

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
COC58704

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
WEAVER RIDGE 14-14H1

9. API Well No.

10. Field and Pool or Exploratory Area  
WEAVER RIDGE

11. County or Parish, State

RIO BLANCO COUNTY, CO

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ROBERT L BAYLESS PRODUCER LLC

Contact: KIMBERLY J RODELL

Mail: krodell@upstreampm.com

3a. Address

2700 N FARMINGTON AVE, BLDG F, STE 1  
FARMINGTON, NM 87499

3b. Phone No. (include area code)

Ph: 303.942.0506

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 14 T1S R104W NESW 1382FSL 2429FWL  
39.957765 N Lat, 109.036769 W Lon

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

This Sundry Notice is being submitted on behalf of Robert L. Bayless Producer LLC to the Bureau of Land Management.

This Sundry Notice is requesting an extension to the Application for Permit to Drill for the referenced well for the maximum amount of time possible.

The approved Application for Permit to Drill for this well expires on August 18, 2017.

Please contact the undersigned with questions.

Thank you.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #383601 verified by the BLM Well Information System  
For ROBERT L BAYLESS PRODUCER LLC, sent to the Meeker  
Committed to AFMSS for processing by RENEETA KAWCAK on 08/07/2017 (17RJK0138SE)**

Name (Printed/Typed) KIMBERLY J RODELL

Title PERMIT AGENT

Signature (Electronic Submission)

Date 08/03/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By LAUREN P. BROWN

Title ASSISTANT FIELD MANAGER

Date 10/03/2018

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Meeker

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## Revisions to Operator-Submitted EC Data for Sundry Notice #383601

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	OTHER NOI	OTHER NOI
Lease:	COC58704	COC58704
Agreement:		
Operator:	ROBERT L. BAYLESS PRODUCER LLC 2700 N. FARMINGTON AVE., BLDG F SUITE 1 FARMINGTON, NM 87499 Ph: 303-942-0506	ROBERT L BAYLESS PRODUCER LLC 2700 N FARMINGTON AVE, BLDG F, STE 1 FARMINGTON, NM 87499 Ph: 505-326-2659 Fx: 505-326-6911
Admin Contact:	KIMBERLY J RODELL PERMIT AGENT E-Mail: krodell@upstreampm.com  Ph: 303-942-0506	KIMBERLY J RODELL PERMIT AGENT E-Mail: krodell@upstreampm.com Cell: 720.271.6657 Ph: 303.942.0506
Tech Contact:	KIMBERLY J RODELL PERMIT AGENT E-Mail: krodell@upstreampm.com  Ph: 303-942-0506	KIMBERLY J RODELL PERMIT AGENT E-Mail: krodell@upstreampm.com Cell: 720.271.6657 Ph: 303.942.0506
Location:		
State:	CO	CO
County:	RIO BLANCO	RIO BLANCO
Field/Pool:	WEAVER RIDGE	WEAVER RIDGE
Well/Facility:	WEAVER RIDGE 14-14H1 Sec 14 T1S R104W Mer 6PM NESW 1382FSL 2429FWL 39.957765 N Lat, 109.036769 W Lon	WEAVER RIDGE 14-14H1 Sec 14 T1S R104W NESW 1382FSL 2429FWL 39.957765 N Lat, 109.036769 W Lon

NOI: <b>APD Extension Request</b>	Operator: <b>ROBERT BAYLESS</b>	
Well: <b>Weaver Ridge 14-11H, Weaver Ridge 14-14H1, Weaver Ridge 14-14H2</b>	Location: 6 <sup>TH</sup> PM <b>Sixth Principal Meridian, Colorado T. 1 S., R. 104 W., sec. 14, NE1/4SW1/4</b>	County: <b>Rio Blanco</b>

1. In accordance with Onshore Order #1, APD can be extended, not to exceed August 19, 2019.
2. Construction activities must occur outside of the growing season (construction can occur from late September through March) to avoid indirect impacts to special status plant species. In the event construction and drilling occur during the growing season, fugitive dust must be aggressively controlled on all road and work areas using water only, free of any chemicals, oils, or solvents.
3. Surface disturbing activities involving well pad, pipeline, or access preparation or construction, the drilling and completion of wells, and routine activity-intensive maintenance and production activities would not be allowed between December 1 and April 30 to reduce cumulative impacts on wintering big game. This timing restriction would be subject to most current exception and modification provisions.
4. The operator shall plan all activities and operations in a manner so as to avoid infringing on any timing limitations, without the need to apply for exceptions to the specified timing limitations.
5. Any excavations into the underlying native sedimentary rock must be monitored by a permitted paleontologist. The monitoring paleontologist must be present before the start of excavations that may impact the underlying rock.
6. If any paleontological resources are discovered as a result of operations under this authorization, the applicant or any of his agents must stop work immediately at that site, immediately contact the BLM Paleontology Coordinator, and make every effort to protect the site from further impacts, including looting, erosion, or other human or natural damage. Work may not resume at that location until approved by the AO. The BLM or designated paleontologist will evaluate the discovery and take action to protect or remove the resource within 10 working days. Within 10 days, the operator will be allowed to continue construction through the site, or will be given the choice of either (a) following the Paleontology Coordinator's instructions for stabilizing the fossil resource in place and avoiding further disturbance to the fossil resource, or (b) following the Paleontology Coordinator's instructions for mitigating impacts to the fossil resource prior to continuing construction through the project area.
7. The applicant is responsible for informing all persons who are associated with the project operations that they will be subject to prosecution for disturbing or collecting vertebrate or other scientifically-important fossils, collecting large amounts of petrified wood (over 25lbs./day, up to 250lbs./year), or collecting fossils for commercial purposes on public lands.

8. Third-party oversight will be required for construction and drilling activities as well as initial interim and final reclamation activities. The third party contractor must be a qualified botanist and be able to identify local special status plant species. The oversight monitor, as well as the BLM NRS, must be notified more than one week prior to activities. The oversight monitor will ensure:
  - a. The occupied and suitable habitat is properly protected while earth moving activities are on-going.
  - b. Dust suppression activities are effective. If large plumes of dust are visible, the monitor can alert the project manager to temporarily halt activities until water can be applied.
  - c. Since construction activities may last several weeks, the monitor can be present during project onset and then as many times a week, but no less than once per week.
  - d. If the monitor sees activities that impact the special status plant species and habitat, they must notify BLM immediately and activities will be halted.
  - e. Oversight monitors must submit to BLM WRFO ecologist a site visit report of all monitoring visits.
9. Personnel and activities associated with the construction, drilling, production, and operations of the Proposed Action will be confined to the permitted well pad location, access road, and pipeline ROW. Prior to well pad and infrastructure construction a temporary orange construction fence will be installed by the project proponent to deter any foot/construction traffic in and around the well pad and access route location (A map will be provided to the operator and Third-party monitor). A third party monitor will advise on orange fence placement to ensure plants and suitable white shale habitat is protected. After completions and interim reclamation has been completed, the orange fence must be removed. To increase the chances of re-seeding success a wire fence will be placed around interim and final reclamation areas. Fencing will remain in place through successful interim reclamation and through successful final reclamation to promote re-vegetation and reduce weeds. Fences, cattleguards, and gates (all built to BLM specification per BLM manual H-1741-1 (see below for fence specifications)) will be installed, maintained, and removed by the operator upon approval by the AO. The fence around the well pad must also have a wire gate installed adjacent to the cattleguard (if used) or at another appropriate location to be used in the case of livestock becoming entrapped inside the well pad area. As part of final abandonment the fence around this well pad will be removed.
  1. The fence constructed around the well pad will be a 36 inch height sheep fence with the following specifications:
    - i. 2 inches from ground woven 24 inch wire.
    - ii. 2 inches above woven wire a single strand of barbed wire
    - iii. 8 inches from single strand wire another strand of barbed wire.
  2. "Sensitive area" signs will also be placed on the fence at the access road entrance, northern and western boundaries of the well pad. All fencing will be removed upon final BLM approved abandonment.



10. In order to monitor activity, reclamation, and potential impacts to wildlife, the BLM WRFO requires notification of the following activities to the designated Natural Resource Specialist:

Activity	Timeframe	Method
Construction <sup>1</sup>	24 hrs prior	Sundry Notice <u>and</u> either Email or Phone
Reclamation <sup>2</sup>		Email or Phone

<sup>1</sup> Construction-related activities may include, but are not limited to, pad and road construction, pad expansion, clearing pipeline corridors, trenching, recontouring, etc. The Sundry Notice will include the well pad name, location, and date of construction.

<sup>2</sup> Reclamation activities may include, but are not limited to, seed bed preparation that requires disturbance of surface soils, seeding, or constructing exclosures (e.g., fences) to exclude livestock from reclaimed areas.

11. Erosion control measures (e.g., silt fencing, waddles) will be implemented to minimize sedimentation to White River beardtongue plants and populations located downslope (south) of the proposed surface-disturbance activities, and should only be implemented within the area proposed for disturbance. All silt fencing will be checked every two weeks during disturbance. If damaged, erosion control mechanisms must be repaired.
12. All equipment that may act as a vector for weeds shall be cleaned before entering the project area.
13. All construction activity shall cease when soils or road surfaces become saturated to a depth of three inches unless there are safety concerns or activities are otherwise approved by the Authorized Officer.
14. All available topsoil within occupied Rollins' cryptantha and narrow-stem gilia habitat and all mapped suitable habitat soil will be removed to a depth of three inches in order to salvage possible seeds. The top three inches of soil will be segregated from other topsoil and spoils by silt fencing, or other barrier during project construction, and clearly signed "Sensitive soils". When well pad is reclaimed the sensitive soil will be re-distributed in the area that was once mapped occupied Rollins' cryptantha and narrow-stem gilia. All silt fencing will be maintained until such time the soil is incorporated back into reclamation, and all silt fencing will be checked every two weeks until completion of reclamation. If damaged, erosion control mechanisms (including silt fencing) will be repaired.
15. The remaining topsoil on the well pad will be removed to a minimum depth of six inches and stockpiled separate from the topsoil removed in the occupied Rollins' cryptantha and narrow-stem gilia area and spoils by silt fencing, or other barrier until the soil has been re-distributed. All silt fencing will be maintained until such time the soil is incorporated back into reclamation, and all silt fencing will be checked every two weeks until completion of reclamation. If damaged, erosion control mechanisms (including silt fencing) will be repaired.
16. Stockpiled topsoil will be piled no deeper than 12 inches and will not be stockpiled for an extended period of time (over six months). If long-term storage is necessary topsoil must be seeded with a BLM approved seed mix. BLM recommends modified BLM Seed Mix 3(see below).

**Table 1. Recommended modified BLM Seed Mix #3.**

Seed Mix	Cultivar	Common Name	Scientific Name	Application Rate (lbs PLS/acre)
3	Whitmar	Bluebunch Wheatgrass	<i>Pseudoroegneria spicata ssp. inermis</i>	3.5
	Rimrock	Indian Ricegrass	<i>Achnatherum hymenoides</i>	4
		Needle and Thread Grass	<i>Hesperostipa comata ssp. comata</i>	3.5
	Maple Grove	Lewis Flax	<i>Linum lewisii</i>	1
		Scarlet Globemallow	<i>Sphaeralcea coccinea</i>	1
		Sulphur Flower Buckwheat	<i>Eriogonum umbellatum</i>	1.5

17. All seed tags will be submitted via Sundry Notice (SN)/letter to the designated Natural Resource Specialist/Realty Specialist within 14 calendar days from the time the seeding activities have ended. The SN will include the purpose of the seeding activity (i.e., seeding well pad, cut and fill slopes, seeding pipeline corridor, etc.). In addition, the SN will include the pipeline, well(s) or well pad number associated with the seeding activity, if applicable, the name of the contractor that performed the work, his/her phone number, the method used to apply the seed (e.g., broadcast, hydro-seeded, drilled), whether the seeding activity represents interim or final reclamation, the total acres seeded, an attached map that clearly identifies all disturbed areas that were seeded, and the date the seed was applied.
18. Where protected populations are within 300 feet, vehicle traffic for projects will obey a speed limit of 15 miles per hour (mph) from March 15 to October 15 on permitted dirt roads for the life of the project. A map of occupied White River beardtongue will be provided to Robert Bayless LLC by WRFO BLM in order to make sure areas needing to be signed for speed limits are correctly placed.
19. The WRFO BLM ecologist will be notified if any maintenance is required after the initial project is completed. All mitigation measures must be followed for maintenance activities. Maintenance actions may require additional special status plant species surveys.
20. If, the project is not initiated within 3 years of the most current biological survey, all occupied and suitable habitat must be re-surveyed. The results of the survey must be provided to the BLM before further ground disturbing activities occur.
21. If surface pipelines are approved to occur within 300 feet of plants, pipelines will be stabilized or anchored to the ground in order to avoid movement of the pipeline that would result in habitat disturbance or damage to individual plants.
22. Application of herbicides must comply with the Vegetation Treatments on Bureau of Land Management Lands in 17 Western States Programmatic Environments Impact Statement (EIS), the WRFO Integrated Weed Management Plan (DOI-BLM-CO-110-2010-0005-EA

and the Conservation Agreement and Strategy for Graham's Beardtongue (*Penstemon grahamii*) and White River Beardtongue (*P. scariosus* var. *albifluvis*) Weed Management Plan).

- a. All sites shall be monitored and treated for noxious weeds on an annual basis for the life of the project until Final Abandonment has been approved by the BLM.
- b. All herbicide use must comply with special status plant species buffers found in DOI-BLM-CO-110-2010-0005-EA (see Table 7 from DOI-BLM-CO-110-2010-0005-EA below).
- c. Invasive species found in and near special status plant species populations must be manually controlled. Surrounding areas must be spotted treated with backpack sprayers. BLM must approve all herbicides used within 300 meters of special status plant species populations.
- d. Herbicide applicator personnel must be trained in the identification of the nearby special status plant species.

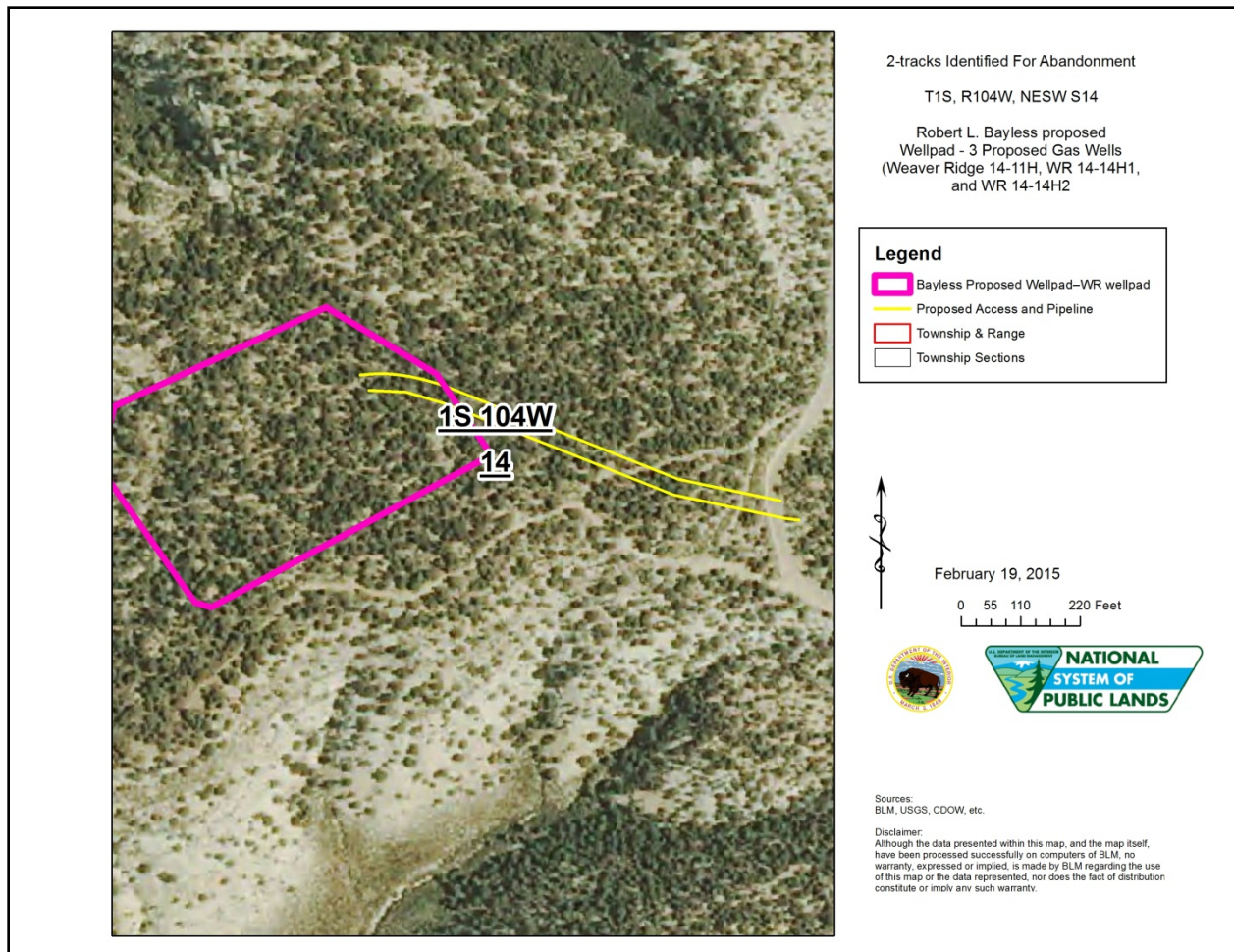
**Table 7. Herbicide Buffer Distances from Terrestrial Special Status Plant Species**

Active Ingredient	Buffer Width	Method(s) to Which Applied
2,4-D	0.5 mile	All
Bromacil	1,200 feet	All
Chlorsulfuron	1,200 feet	Ground
	1,500 feet	Aerial
Clopyralid	900 feet	Ground, typical rate
	0.5 mile	Ground, maximum rate; aerial
Dicamba	1,050 feet	Ground
Diflufenzopyr	100 feet	Low boom, typical rate
	500 feet	Low boom, maximum rate; high boom
	900 feet	Aerial
Diquat	900 feet	Ground, typical rate
	1,000 feet	Ground, maximum rate
	1,200 feet	Aerial
Diuron	1,100 feet	All
Fluridone	0.5 mile	All
Glyphosate	50 feet	Ground, typical rate
	300 feet	Ground, maximum rate; aerial
Hexazinone	300 feet	Ground, typical rate
	900 feet	Ground, maximum rate
Imazapic	25 feet	Ground, typical or maximum rates
	300 feet	Aerial, typical rate
	900 feet	Aerial, maximum rate
Imazapyr	900 feet	Ground or aerial, typical rate
	0.5 mile	Ground or aerial, maximum rate
Metsulfuron Methyl	900 feet	Ground or aerial, typical rate
	0.5 mile	Ground or aerial, maximum rate
Overdrive®	100 feet	Low boom, typical rate
	900 feet	Low boom, maximum rate; high boom
Picloram	0.5 mile	All

**Table 7. Herbicide Buffer Distances from Terrestrial Special Status Plant Species**

Active Ingredient	Buffer Width	Method(s) to Which Applied
Sulfometuron Methyl	1,500 feet	All
Tebuthiuron	25 feet	Low boom, typical rate
	50 feet	Low boom, maximum rate; high boom, typical rate
	900 feet	High boom, maximum rate
Triclopyr	300 feet	Ground, typical rate
	500 feet	Aerial, typical rate
	0.5 mile	Ground or aerial, maximum rate

23. Pesticide Use Proposals (PUPs) must be submitted to and approved by the BLM before applying herbicides on BLM lands. The PUP will include target weed species, the herbicides to be used, application rates and timeframes, estimated acres to be treated, as well as maps depicting the areas to be treated and known locations of weeds. The WRFO recommends that all PUPs be submitted no later than March 1st of the year anticipating herbicide application.
24. The two existing 2-track roads (see map “2-tracks Identified for Abandonment” below), one north and one south of the proposed access road (one road approximately 144 feet north, and one road approximately 140 feet south) must be closed in such a manner to prevent motor vehicle traffic from using them. The following are the required road closure methods:
- During construction of the well pad and access road, entire trees removed will be placed along the existing 2-tracks identified for abandonment.
  - It is recommended work begin from the furthest west point working east of the 2-track road and placed far enough west such that the 2-track roads cannot be seen from BLM 1509.
  - Vehicle and machinery traffic to close the roads may only take place in areas approved in accordance with the permit.
    - No shortcutting will be allowed
  - If the methods implemented do not prevent motor vehicle traffic on the identified 2-tracks, additional work may be required.
  - Bayless must contact BLM prior to commencement and at completion of this work.



25. The operator/holder will be responsible for ensuring that all disturbance GIS and reclamation data will be submitted via White River Data Management System (WRDMS) which can be accessed at <https://my.usgs.gov/wrfo/>
26. To reduce erosion and reduce the risk of weed establishment, interim reclamation will be initiated when either there are no drilling activities expected on the well pad for the next six months or there has been no activity on the well pad within the last six months, regardless of whether or not there are outstanding approved APDs.
27. For interim reclamation the BLM recommends modified Seed Mix #3 (see below). The mix has been modified to increase the number of forbs as well as reduce the competitive grass species. It is recommended that seeding occur between September 1 and March 31. If an alternate date of seeding is requested, contact the designated Natural Resource Specialist prior to seeding for approval. Drill seeding is the preferred method of application and drill seeding depth must be no greater than ½ inch. If drill seeding cannot be accomplished, seed should be broadcast at double the rate used for drill seeding, and harrowed into the soil. Final reclamation will be completed using the reclamation practices and seed mixes recommended at that time.

**Table 1. Recommended modified BLM Seed Mix #3.**

Seed Mix	Cultivar	Common Name	Scientific Name	Application Rate (lbs PLS/acre)
3	Whitmar	Bluebunch Wheatgrass	<i>Pseudoroegneria spicata ssp. inermis</i>	3.5
	Rimrock	Indian Ricegrass	<i>Achnatherum hymenoides</i>	4
		Needle and Thread Grass	<i>Hesperostipa comata ssp. comata</i>	3.5
	Maple Grove	Lewis Flax	<i>Linum lewisii</i>	1
		Scarlet Globemallow	<i>Sphaeralcea coccinea</i>	1
		Sulphur Flower Buckwheat	<i>Eriogonum umbellatum</i>	1.5

28. The operator must meet the following reclamation success criteria, and these standards apply to both interim and final reclamation:
- Self-sustaining desirable vegetative groundcover consistent with the site Desired Plant Community (DPC) (as defined by the range site, WRFO Assessment, Inventory, and Monitoring (AIM) protocol site data (BLM TN 440), ecological site or an associated approved reference site) is adequately established, as described below, on disturbed surfaces to stabilize soils through the life of the project.
  - Vegetation with 80 percent similarity of desired foliar cover, bare ground, and shrub and/or forb density in relation to the identified DPC. Vegetative cover values for woodland or shrubland sites are based on the capability of those sites in an herbaceous state.
  - The resulting plant community must have composition of at least five desirable plant species, and no one species may exceed 70 percent relative cover to ensure that site species diversity is achieved. Desirable species may include native species from the surrounding site, species listed in the range/ecological site description, AIM data, reference site, or species from the BLM approved seed mix. If non-prescribed or unauthorized plant species (e.g., yellow sweetclover, *Melilotus officinalis*) appear in the reclamation site, BLM may require their removal.
  - Bare ground does not exceed the AIM data, range site description, or if not described, bare ground will not exceed that of a representative undisturbed DPC meeting the Colorado Public Land Health Standards.
29. Each year by January 1st, Robert L Bayless, Producer LLC will submit a Reclamation Status Report to the WRFO via the most current BLM approved data management system that includes the pipeline name and/or well number, API number, legal description, UTM coordinates, project description (e.g., well pad, pipeline, etc.), reclamation status (e.g., interim or final), whether the well pad and/or pipeline has been re-vegetated and/or re-contoured, date seeded, photos of the reclaimed site, acres seeded, seeding method (e.g.,

broadcast, drilled, hydro-seeded, etc.), and contact information for the person responsible for developing the report. The report will include maps showing each point (i.e., well pad), polygon, and/or polyline (i.e., pipeline) feature that was included in the report. The data must be submitted in UTM Zone 13N, NAD 83, in units of meters. In addition, scanned copies of seed tags that accompanied the seed bags will be included with the report. Internal and external review of the WRFO Reclamation Status Report and the process used to acquire the necessary information will be conducted annually, and new information or changes in the reporting process will be incorporated into the report.

30. The applicant is responsible for informing all persons who are associated with the project that they will be subject to prosecution for knowingly disturbing archaeological sites or for collecting artifacts.
31. If any archaeological materials are discovered as a result of operations under this authorization, activity in the vicinity of the discovery will cease, and the BLM WRFO Archaeologist will be notified immediately. Work may not resume at that location until approved by the AO. The applicant will make every effort to protect the site from further impacts including looting, erosion, or other human or natural damage until BLM determines a treatment approach, and the treatment is completed. Unless previously determined in treatment plans or agreements, BLM will evaluate the cultural resources and, in consultation with the State Historic Preservation Office (SHPO), select the appropriate mitigation option within 48 hours of the discovery. The applicant, under guidance of the BLM, will implement the mitigation in a timely manner. The process will be fully documented in reports, site forms, maps, drawings, and photographs. The BLM will forward documentation to the SHPO for review and concurrence.
32. Pursuant to 43 CFR 10.4(g), the applicant must notify the AO, by telephone and written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4(c) and (d), the operator must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the AO.
33. The operator is responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.
34. The operator must coordinate with the livestock grazing permittee authorized to graze livestock within the project area a minimum of 72 hours prior to drilling activities associated with this permit. Livestock grazing permittee contact information may be found at [www.blm.gov/ras/](http://www.blm.gov/ras/) or by contacting the WRFO Range staff (970-878-3800). The operator will provide the grazing permittee the location, nature, and extent of the anticipated activity being completed.
35. The operator/holder will limit unnecessary emissions from point or nonpoint pollution sources and prevent air quality deterioration from necessary pollution sources in accordance with all applicable Federal, State, and local air quality laws and regulations.

36. Water Use. The purpose of this COA is to assist the BLM with ensuring that water depletions associated with Federal oil and gas development activities are adequately covered by the U.S. Fish and Wildlife Service (FWS) Programmatic Biological Opinion for the four endangered Colorado River fishes.

The Operator shall provide the volumes of fresh water and reused/recycled water used during project development. The river sub-basin of origin (i.e. Colorado, Dolores, Green, Gunnison, White, and Yampa) shall be identified for fresh water. The volumes per well shall be identified by each development phase (construction, drilling, and completion) and by activity (e.g., dust abatement, pipeline hydrostatic testing, drilling, and completion operations). The water volumes shall be identified in an attachment to the BLM Form 3160-4, "Well Completion or Recompletion Report and Log" (completion report) submitted to the BLM WRFO. All volumes are to be reported in barrels per well.

For reporting the water used during construction, submit the total water used for construction with the first completion report. Completion reports submitted subsequent to the first completion report will have the water-use that was not included in the previous completion reports.

Well Name/No.:		API No.:			
County:		Well Pad			
Operator:					
Water Source*					
	Water Use (barrels)				
	Construction	Drilling		Completion	
	Fresh	Fresh	Reused/recycled	Fresh	Reused/Recycled
Road/Pipeline/Pad Dust Abatement					
Pipeline Hydrostatic Testing					
Cementing					
Mud					
Acid Wash/Hydraulic Fracturing					

\*Identify river sub-basin of origin for fresh water only (i.e. Colorado, Dolores, Green, Gunnison, White, and Yampa).

37. All pits (including cuttings pits) shall be lined with 24 mil reinforced liner and closed as per Onshore Order, Gold Book, and COGCC requirements. Pits may be allowed to air dry, but the use of chemicals to aid in fluid evaporation, stabilization, or solidification must have prior BLM approval.
38. It is the operator's responsibility to design and construct a liner system to contain fluids in the pit without compromising the integrity of the liners. The pit should be padded with material if necessary to reduce potential damage to the liner by sharp rock edges.



39. The method of removal and location of disposal for pit liners and pit solids must be submitted to the AO and approved before beginning the pit closure. If pit liners are to be left in place, the fluids from the pit must be removed and/or evaporated before closing. The pit liner should be cut or folded at the mudline and the pit should be buried with at least 3 feet from final grade before interim reclamation efforts are started.
40. Pursuant to Onshore Order Number 7, a permanent disposal method for produced water must be approved by BLM and in operation 90-days after well completion. The reserve pit may not be used for produced water disposal after these 90-days except with prior written permission of the BLM AO.
41. Any erosion features (e.g., rilling, gully, piping, or mass wasting) that are the result of this action and are located either on or adjacent to the surface disturbance will be addressed immediately after observation by contacting the Natural Resource Specialist and by submitting a plan to assure successful soil stabilization with BMPs to address erosion problems.
42. When working on lands administered by the BLM WRFO, notify Craig Interagency Dispatch (970-826-5037) in the event of any fire.
- The reporting party will inform the dispatch center of fire location, size, status, smoke color, aspect, fuel type, and provide their contact information.
  - The reporting party, or a representative of, should remain nearby, in a safe location, in order to make contact with incoming fire resources to expedite actions taken towards an appropriate management response.
  - The applicant and contractors will not engage in any fire suppression activities outside the approved project area. Accidental ignitions caused by welding, cutting, grinding, etc. will be suppressed by the applicant only if employee safety is not endangered and if the fire can be safely contained using hand tools and portable hand pumps. If chemical fire extinguishers are used the applicant must notify incoming fire resources on extinguisher type and the location of use.
  - Natural ignitions caused by lightning will be managed by Federal fire personnel. If a natural ignition occurs within the approved project area, the fire may be initially contained by the applicant only if employee safety is not endangered. The use of heavy equipment for fire suppression is prohibited, unless authorized by the Field Office Manager.
43. In addition to the applicant committed design features, existing state and Federal requirements, the following BLM requirements will apply to minimize impacts associated with the development phase of the proposed project:
- All drill rigs, fracing, and completion related engines will be required to meet EPA Non-Road Tier II Emissions Standards (or cleaner) for all well development operations.

44. If the operator damages any range improvement project(s) (e.g., fences, gates, water development, cattleguards) the operator will notify the Authorized Officer through Sundry Notice (Form 3160-5) and identify the actions taken to repair the feature(s) promptly. Repairs must be prior to the livestock grazing permittee's need to utilize the range improvement.
45. All seed, straw, mulch, or other vegetative material to be used on BLM lands will comply with United States Department of Agriculture (USDA) state noxious weed seed requirements and must be certified by a qualified Federal, State, or county office as free of noxious weeds. Any seed lot with test results showing presence of State of Colorado A or B list species will be rejected in its entirety and a new tested lot will be used instead. All areas identified to be disturbed under this proposal will be monitored and treated for noxious weeds on an annual basis for the life of the project until Final Abandonment has been approved by the Authorized Officer.
46. All above ground permanent structures (on site for six months or longer) shall be painted and maintained Juniper Green according to the BLM Standard Environmental Chart CC-001: June 2008.
47. All trees removed in the process of construction shall be purchased from the BLM. Trees should first be used in reclamation efforts and then any excess material made available for firewood or other uses.
  - i. Woody materials required for reclamation must be removed in whole with limbs intact and must be stockpiled along the margins of the authorized use area separate from the topsoil piles. Whole trees with limbs must additionally be placed accordingly along the existing 2-tracks identified for abandonment, woody material will be distributed in such a way to avoid large concentrations of heavy fuels and to effectively deter vehicle use. Once the disturbance has been recontoured and reseeded, stockpiled woody material must be scattered across the reclaimed area where the material originated. Redistribution of woody debris will not exceed 20 percent ground cover. Limbed material must be scattered across reclaimed areas in a manner that avoids the development of a mulch layer that suppresses growth or reproduction of desirable vegetation. Woody material will be distributed in such a way to avoid large concentrations of heavy fuels and to effectively deter vehicle use. Woody materials that are to be stockpiled along margins and not used in the topsoil should not exceed pile dimensions of 8 x 8 x 8 feet. Materials used in the stockpiles should be a variety of diameters, but should be no smaller than six inches in diameter. Additionally the piles should be no less than 30 feet apart.
  - ii. Trees that must be removed for construction and are not required for reclamation shall be cut down to a stump height of six inches or less prior to other heavy equipment operation. These trees shall be cut in four foot lengths (down to four inches diameter) and placed in manageable stacks immediately adjacent to a public road to facilitate removal for company use or removal by the public.

48. During interim reclamation of roads, topsoil will be spread where successful revegetation is likely (e.g., along appropriate cut and fill slopes or at the top edge of the borrow ditches) and where it will not be disturbed during regular road maintenance activities.
49. When obliterating a road no longer needed, gravel or surfacing material should be removed and reused to the maximum extent possible. Culverts and other drainage features should be removed, original contours should be reestablished, and the road should be ripped or pitted to remove compaction and increase infiltration.
50. Access to the Weaver Ridge 14-11H, WR 14-14H1, and WR 14-14H2 proposed wells goes through private land through two locked gates with one of the gates being located on private land. In the Surface Use Plan of the APDs for the three proposed wells, gate locations and lock combinations have not been provided for the BLM to access them. Prior to construction of the well pad for the three wells, Bayless must submit by Sundry Notice a map showing gate locations and combinations of the locks. For the WR 14-11H, WR 14-14H1, and WR 14-14H2 wells and any future wells proposed on this well pad; if access changes (e.g., a different lock, a different combination, additional gates) Bayless must provide the BLM the ability to access the wells and inform the BLM within seven business days of any changes by Sundry Notice. This is in accordance with 43 CFR 3162.1 – General Requirements (b).
51. At the time of final abandonment of the well pad, the following are requirements for final reclamation of the access road. Reclamation of all portions of the access road constructed for the purpose of well pad development for the location must comply with the following:
- Roads built for and no longer supporting oil and gas development have been recontoured, obliterated, revegetated, and are no longer distinguishable as a means of vehicle travel (i.e., no ruts or two-tracks). Particular emphasis must be placed on the edges of the road to ensure it is completely obliterated and no longer distinguishable.
52. In order to inform the public about the temporary nature and limited use of the access road, install and maintain signs at the beginning of the access road on both sides of the road. These signs are to be installed once road construction starts, and maintained in such a condition to remain legible throughout the duration of the road use and in place until the road is fully reclaimed. These signs are to contain the below wording and specifications:
- a. Sign Wording:

**Authorized Use Only**

This temporary access road has been authorized by the Bureau of Land Management for authorized motorized users only. This road will be reclaimed to its original, natural condition when no longer needed. For information contact the BLM-White River Field Office 970 878-3800.
  - b. Sign specifications:

The words “AUTHORIZED USE ONLY” need to be centered on the top line only with black uppercase 3” letter size with other letters being uppercase black 2” and associated lowercase letter size. Lines are to be spaced 1 1/2” inches apart.

The BLM emblem is placed in the upper right corner and is between 5"-8" in size. The sign must be white in color and of a durable material. Additional sign specification information can be found in the BLM Sign Guidebook if needed: Bureau of Land Management. 2004. Sign Guidebook. Denver, Colorado. BLM/WY/AE-05/010+9130. 170 pp.

53. All activities will be required to comply with all applicable local, state, and Federal laws, statutes, regulations, standards, and implementation plans. This would include acquiring all required State and Rio Blanco County permits, implementing all applicable mitigation measures required by each permit, and effectively coordinating with existing facility ROW holders.
54. For the purpose of determining joint maintenance responsibilities, the holder shall make road use plans known to all other authorized users of the common access road. Upon request, the Authorized Officer shall be provided with copies of any maintenance agreement entered into.
55. Comply with all Federal, State and/or local laws, rules and regulations, including but not limited to onshore orders and notices to lessees, addressing the emission of and/or the handling, use, and release of any substance that poses a risk of harm to human health or the environment. All spills or leakages of oil, gas, produced water, toxic liquids or waste materials, blowouts, fires, shall be reported by the operator in accordance with the regulations and as prescribed in applicable orders or notices.
56. Where required by law or regulation to develop a plan for the prevention of releases or the recovery of a release of any substance that poses a risk of harm to human health or the environment, provide a current copy of said plan to the BLM WRFO.
57. When drilling to set the surface casing, drilling fluid will be composed only of fresh water, bentonite, and/or a benign lost circulation material that does not pose a risk of harm to human health or the environment (e.g., cedar bark, shredded cane stalks, mineral fiber and hair, mica flakes, ground and sized limestone or marble, wood, nut hulls, corncobs, or cotton hulls).
58. All substances that pose a risk of harm to human health or the environment shall be stored in appropriate containers. Fluids that pose a risk of harm to human health or the environment, including but not limited to produced water, shall be stored in appropriate containers and in secondary containment systems at 110% of the largest vessel's capacity. Secondary fluid containment systems, including but not limited to tank batteries shall be lined with a minimum 24 mil impermeable liner.
59. Construction sites and all facilities must be maintained in a sanitary condition at all times; waste materials shall be disposed of promptly at an appropriate waste disposal site. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes, and equipment.
60. As a reasonable and prudent lessee/operator in the oil and gas industry, acting in good faith, all lessees/operators and right-of-way holders will report all emissions or releases that may

pose a risk of harm to human health or the environment, regardless of a substance's status as exempt or nonexempt and regardless of fault, to the BLM WRFO (970) 878-3800.

61. As a reasonable and prudent lessees/operator and/or right-of-way holder in the oil and gas industry, acting in good faith, all lessees/operators and right-of-way holders will provide for the immediate clean-up and testing of air, water (surface and/or ground) and soils contaminated by the emission or release of any substance that may pose a risk of harm to human health or the environment, regardless of that substance's status as exempt or non-exempt. Where the lessee/operator or right-of-way holder fails, refuses or neglects to provide for the immediate clean-up and testing of air, water (surface and/or ground) and soils contaminated by the emission or release of any quantity of a substance that poses a risk of harm to human health or the environment, the BLM WRFO may take measures to clean-up and test air, water (surface and/or ground) and soils at the lessee/operator's expense. Such action will not relieve the lessee/operator of any liability or responsibility.

160.3  
August 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
COC58704

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
WEAVER RIDGE 14-14H1

9. API Well No.

10. Field and Pool, or Exploratory  
EXPLORATORY

11. Sec., T., R., M., or Blk. and Survey or Area

Sec 14 T1S R104W Mer 6PM S.H

See 13 T1S R104W Bl

12. County or Parish  
RIO BLANCO

13. State  
CO

17. Spacing Unit dedicated to this well

20. BLM/BIA Bond No. on file

~~CO0833~~ NM 0883

23. Estimated duration  
30-45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  
(Electronic Submission)

Name (Printed/Typed)  
KIMBERLY J RODELL Ph: 303-942-0506 Ext: 106

Date  
12/07/2014

Title  
PERMIT AGENT

Approved by (Signature)

Name (Printed/Typed)  
Lauren Brown

Date  
AUG 19 2015

Title  
Acting ASSOCIATE FIELD MANAGER

Office  
White River Field Office-Meeker, CO

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**"Conditions of Approval Attached"**

Additional Operator Remarks (see next page)

Electronic Submission #284306 verified by the BLM Well Information System  
For ROBERT L. BAYLESS PRODUCER LLC, sent to the Meeker

**APPROVAL TO FLARE GRANTED  
WHILE DRILLING AND TESTING**

**OPERATOR COPY**

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

**APPROVED FOR A PERIOD  
NOT TO EXCEED 2 YEARS**

### **Additional Operator Remarks:**

Surface Owner:  
Bureau of Land Management ? White River Field Office

Robert L. Bayless, Producer LLC has applied for a federal unit which will include this well. The well and associated sections have not been spaced due to the formation of the unit. There is no docket number.

There is (1) federal mineral lease associated with this Application for Permit Drill. The lease listed is the federal surface-hole federal mineral lease.

SH Federal Mineral Lease: COC58704 ? 970.150 acres

The total acreage of the federal mineral lease: 970.150 acres.

This well will be drilled on the same wellpad as the Weaver Ridge 14-11H and Weaver Ridge 14-14H2.

Per the Well Information System constraints only whole numbers are allowed for lease acreage. The exact acreage for the federal mineral leases are listed above.

Please contact the undersigned with questions.

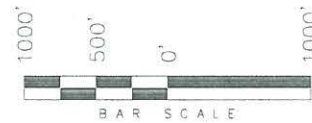
Thank you.



# T1S, R104W, 6th P.M.

ROBERT L. BAYLESS PRODUCER LLC

WELL LOCATION, WEAVER RIDGE 14-14H1,  
LOCATED AS SHOWN IN THE NE 1/4 SW 1/4  
OF SECTION 14, T1S, R104W, 6th P.M., RIO  
BLANCO COUNTY, COLORADO.



## NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. G.P.S. Operator: Q.MILLER, (PDOP) = 2.2

Bottom of Hole

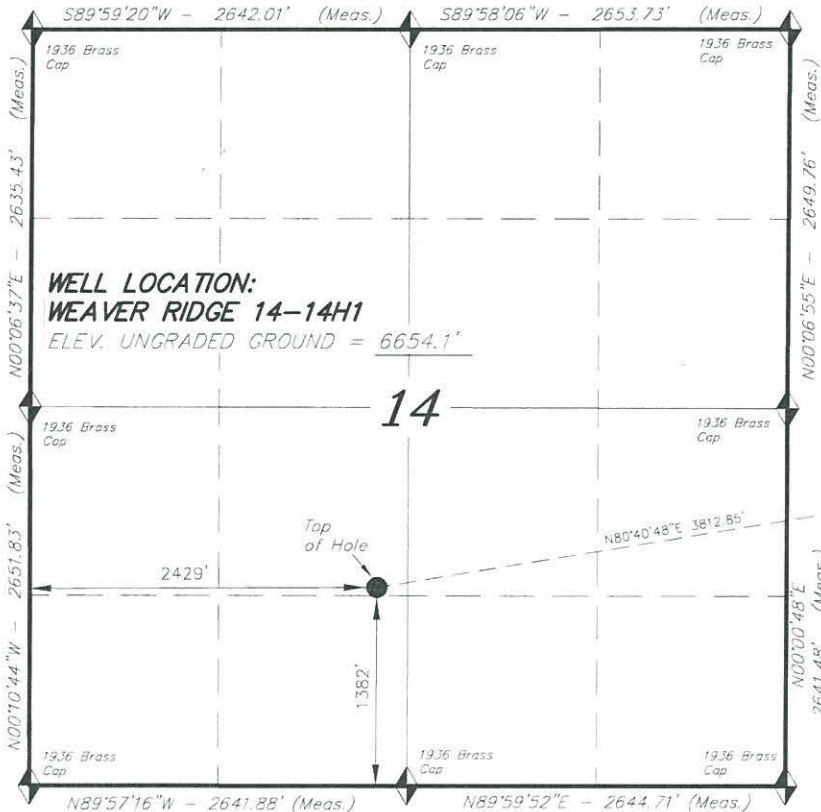
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES AND SURVEYS MADE BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION. THE LOCATION HAS BEEN STAKED ON THE GROUND AND SHOWN ON THE PLAT, AND THAT THE SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Deane W. Brown*  
REGISTERED LAND SURVEYOR  
REGISTRATION # 30125  
PROFESSIONAL LAND SURVEYOR

## TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 05-28-14	SURVEYED BY: Q.M.
DATE DRAWN: 05-28-14	DRAWN BY: L.C.S.
REVISED: L.C.S. 06-27-14	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV: U.S.G.S. 7-1/2  
min QUAD (WEAVER RIDGE)

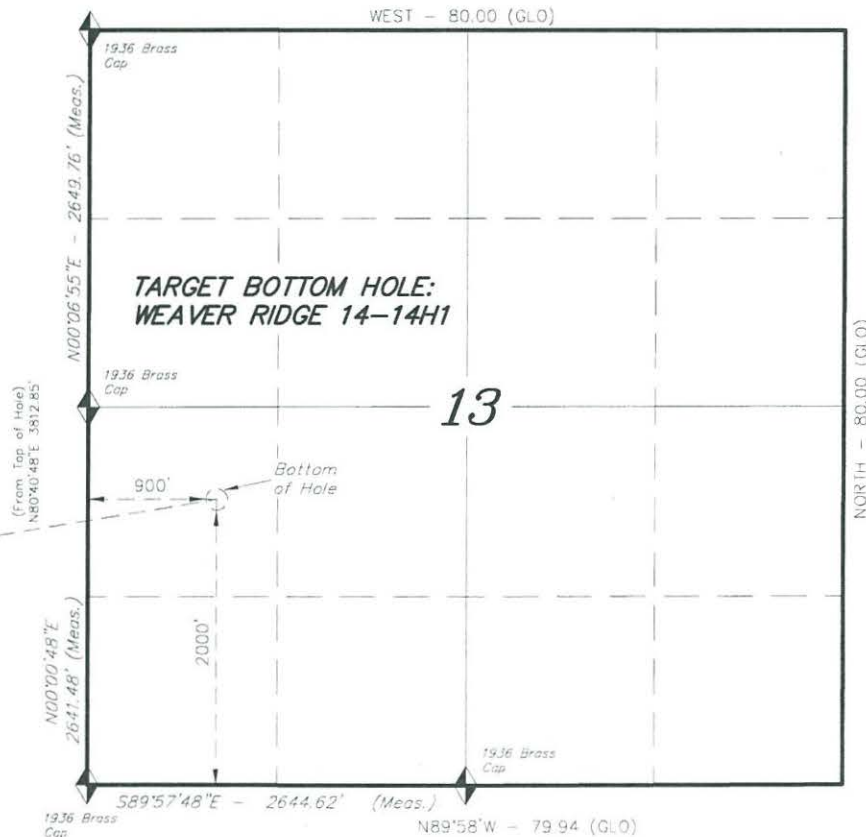
## NAD 83 (SURFACE LOCATION)

LATITUDE = 39°57'27.95"  
(39.957765)  
LONGITUDE = 109°02'12.37"  
(109.036769)

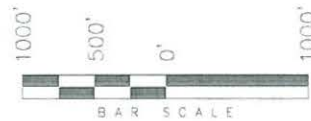


**T1S, R104W, 6th P.M.**

**ROBERT L. BAYLESS PRODUCER LLC**



TARGET BOTTOM HOLE, WEAVER RIDGE 14-14H1, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 13, T1S, R104W, 6th P.M. RIO BLANCO COUNTY, COLORADO.



- NOTES:**
1. Well footages are measured at right angles to the Section Lines.
  2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES AND SURVEYS MADE BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION. THE LOCATION HAS BEEN STAKED ON THE GROUND AND SHOWN ON THE PLAT, AND THAT THE MEASUREMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Surveyor's Signature*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION # 30125  
 EXPIRATION DATE 06-27-14

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 05-28-14	SURVEYED BY: Q.M.
DATE DRAWN: 05-28-14	DRAWN BY: L.C.S.
REVISED: L.C.S. 06-27-14	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV: U.S.G.S. 7-1/2 min QUAD (WEAVER RIDGE)

NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE =	39°57'34.05" (39.959459)
LONGITUDE =	109°01'24.06" (109.023351)

**ADVISORY NARRATIVES AND CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL**

Operator: Robert Bayless Producer LLC

Well No. **Weaver Ridge 14-11H**  
**WR 14-14H1**  
**WR 14-14H2**

Lease No. **COC-58704**

Legal Description

SHL: **T1S, R104W, NESW S14**  
BHL: **T10S, R25E, NWSW S13 (14-11H)**  
**T1S, R104W, NWSW S13 (14-14H1)**  
**T10S, R25E, S13 (14-14H2)**

**GOVERNMENT ADDRESS**

**UNITED STATES DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT**

<b>FIELD OFFICE</b>	White River Field Office
<b>ADDRESS</b>	220 East Market Street Meeker, CO 81641
<b>OFFICE PHONE</b>	(970) 878-3800 FAX: (970) 878-3805
<b>OFFICE HOURS</b>	7:45 a.m. to 4:30 p.m. (Monday - Friday)

All lease and/or unit operations are to be conducted in such a manner to ensure full compliance with the applicable laws, regulations (43 CFR Part 3160), Onshore Oil and Gas Orders No. 1, 2, 3, 4, 5, 6 and 7, Notice to Lessees, and the approved plan of operations. Approval of this application does not relieve you of your responsibility to obtain other required federal, state, or local permits. A copy of the approved Form 3160-3 and the pertinent drilling plan, along with any advisory narratives and conditions of approval, shall be available at the drillsite to authorized representatives at all times. The operator is considered fully responsible for the actions of his subcontractors. Your review and appeal rights are contained in 43 CFR 3165.3 and 3165.4.

**ACTIONS REQUIRING BLM NOTIFICATION**

48-Hours notification prior to Construction and/or Reclamation.

Oral Spud notices at least 24-hours after spudding, followed with a Sundry Notice within 5 working days.

For **WILDCAT wells**, a daily log of drilling activities shall be submitted to the BLM on a **daily** basis.

For other wells, this report shall be submitted at the request of the Authorizing Officer.

Well Completion Reports must be submitted within 30-days of completion of the well  
or after completion of operations being performed.

For running casing, cementing, BOPE tests, drill stem tests or other notices, submit  
24-hours in advance of commencing operations AND call the following number and leave  
voice message **with call back number**.

(970) 878-3814  
or  
(970) 878-3828

**AUTHORIZED OFFICER REPRESENTATIVE CONTACTS**

If you seek immediate approval or emergency assistance on any action that is related to the APD **Surface Use Plan**, contact the Natural Resource Specialist listed below.

If you seek immediate approval or emergency assistance on any action that is related to the APD **Drilling Plan** or other downhole issues, you should contact the Petroleum Engineer listed below.

**Natural Resource Specialist**

**Jay Johnson**  
BLM\_CO\_WR\_NRS@blm.gov,  
jmjohnso@blm.gov

**Work Phone** (970) 878-3854

**Petroleum Engineer**

**Craig Williamson:**  
cwilliamson@blm.gov

**Work Phone** (970) 878-3814

**Cell Phone** (720) 273-3465

**Sean Simpson:**  
smsimpson@blm.gov

**Work Phone** (970) 878-3846

In the event the Petroleum Engineer named above is unavailable, please contact:

**Supervisor Petroleum Engineering Technician**

**Bud Thompson:**  
blthomps@blm.gov

**Work Phone** (970) 878-3828

**Cell Phone** (970) 942-7040

**WHITE RIVER FIELD OFFICE FIELD MANAGER**

**Kent Walter:**  
K1walter@blm.gov

**Work Phone** (970) 878-3800



## **SITE SPECIFIC CONDITIONS**

### **Drilling**

1. All operations, unless a variance has been granted in writing by the Authorized Officer, must be conducted in accordance with 43 CFR PART 3160 - Onshore Oil and Gas Operations, Onshore Oil and Gas Order No.1; Approval of Operations on Onshore Federal and Indian Oil and Gas Leases; and Onshore Oil and Gas Order No. 2; Drilling Operations. If air or mist drilling is used, operations must be in accordance with Onshore Oil and Gas Order No. 2; Drilling Operations, Part E; Special Drilling Operations.
2. The operator is responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.
3. Major deviations from the drilling plan require prior approval from the Authorized Officer. The operator shall verbally notify either the petroleum engineer or petroleum engineering technician 24 hours prior to the following operations to provide notice of:
  - a) Well spud (Breaking ground for drilling surface casing)
  - b) Running and cementing of all casing strings
  - c) Pressure testing of BOPE or any casing string
  - d) Commencing completion operations

**A written sundry notice of the well spud must be submitted within five (5) working days.**

4. All BOPE tests will be done by a tester and not by the rig pumps. The tests will include a low pressure test of 250 psi for five minutes prior to initiating the high pressure tests discussed in Onshore Order No. 2
5. No "new" hardband drill pipe abrasive to casing will be rotated inside the surface casing unless it can be shown to be casing friendly in the manufacturer's specifications. Hardband drill pipe will be considered new until it has been run at least once.
6. Drilling muds with chlorides testing in excess of 3,000 ppm or those containing hydrocarbons shall not be used in drilling operations until after the surface casing has been set. When drilling to set the surface casing, drilling fluid will be composed only of fresh water, bentonite and/or a benign lost circulation material – that is a **lost circulation material that does not pose a threat to human health or the environment**, e.g. cedar bark, shredded cane stalks, mineral fiber and hair, mica flakes, ground and sized limestone or marble, wood, nut hulls, corncobs, or cotton hulls.
7. During surface cementing operations, should cement not be circulated to surface the WRFO shall be verbally notified as soon as reasonably possible. A log acceptable to the WRFO shall be run to determine the top of cement prior to commencing remedial cementing operations. If cement is circulated to surface and subsequently falls back, top job(s) will be performed until cement remains at surface.
8. Due to the extensive lost circulation problems that are being encountered in the Piceance Basin during drilling operations from surface to total depth (TD), and given that all usable water zones, potential productive zones, and lost circulation zones shall be protected and/or isolated per Onshore Order #2, the White River Field Office requires sufficient volumes of cement be pumped to meet these requirements. Cement tops behind intermediate and production casing will be verified by an acceptable log to ensure compliance with this Order. **We require cement to be run a minimum of 200' above the shoe of the previous casing string.**



9. Chronologic drilling progress reports must be sent directly to the BLM White River Field Office on a daily basis, either electronically or by fax (970-878-3805) to the Petroleum Engineer and/or other designated petroleum engineering technicians until the well is drilled to total depth.

10. All drill cuttings shall be contained in a pit on the pad of the well being drilled, or hauled to an approved disposal site. All pits shall maintain a minimum of two feet of free board at all times.

11. For foam and ultralight cement jobs that are performed in cementing the intermediate or production strings, the operator will wait at least 36 hours for cement to harden before running a specialized log capable of reading pipe cement bond and verifying tops of cement. The White River Field Office shall be verbally notified prior to running such specialized log with enough advance notice to allow a representative from this office to witness. Logs showing pipe cement bond and tops of cement for intermediate and production cement jobs will be forwarded to the BLM.

12. One copy of all charted BOPE tests, logs, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed with the completion report, Form 3160-4. The logs should be submitted in a digital format, on a CD. This completion report shall be filed within 30 days of completion of operations and submitted prior to, or along with the first production notice.

13. The WRFO requires the measurement of individual gas, oil (condensate) and water production streams at the wellhead, unless otherwise approved in advance by the BLM. The sales point for natural gas will be at the wellhead. All meters will be calibrated in place prior to any deliveries. The White River Field Office will be provided with a date and time for the initial meter calibration and all future meter proving and calibration schedules with enough advance notice, 24 hour minimum, to allow a representative from this office to witness. A copy of the meter proving and calibration reports will be submitted to the White River Field Office. Oil (condensate) will be sold from secured tanks on location, unless otherwise approved in advance by the BLM.

14. Robert L. Bayless Producer LLC agrees to submit in quadruplicate an approved Communitization Agreement (CA) or proof of designated unit to the White River Field Office prior to spud of this well that contains leased Federal minerals for any existing formation well. If a CA is submitted the proposed CA shall not include Signature pages except for the signature page signed by the CA operator. In place of the signature pages the following self-certification statement will be part of the letter requesting approval of the proposed CA:

“I, the undersigned, hereby certify, on behalf of \_\_\_\_\_, the Operator under the captioned Communitization Agreement, that all owners (lessee of record, working interest and royalty) shown on Exhibit “B” attached to the Communitization Agreement are, to the best of my knowledge, the true and correct owners of the Communitization Agreement, and the consents of the requisite owners have been obtained. I further certify that the Communitization Agreement follows the standard form except for Sections 1 and 10.”

In addition, Robert L. Bayless Producer LLC agrees to submit an approved spacing order issued from the Colorado Oil and Gas Conservation Commission that will allow pooling of the leases in question and which formations are affected for communitization.

## CONTACTS:

### Petroleum Engineer:

Craig Williamson

Work Phone (970) 878-3814

Cell Phone (720) 273-3465

Sean Simpson

Work Phone (970) 878-3846

Cell Phone (303)956-8091

### Supervisory Petroleum Engineering Technician:

Bud Thompson

Work Phone (970) 878-3828

Cell Phone (970) 942-7040

### Petroleum Engineering Technicians:

White River Field Office

Erika Miller

Work Phone (970) 878-3808

Cell Phone (970) 942-8279

Justin Wilson

Work Phone (970) 878-3825

Cell Phone (970) 942-7041

Joe Beck

Work Phone (970) 878-3826

Cell Phone (970) 942-7042

Little Snake Field Office

Roy Wallis

Work Phone (970) 826-5093

Cell Phone (970) 326-8331



## Surface

1. The BLM WRFO requires notification to the AO's field representative concerning well development. Notification will be 24 hours prior to start for the following activities:

Activity	Method	AO's Field Representative
Construction(1)	Sundry Notice and either Email or Phone	NRS
Reclamation(2)		NRS
Drilling Rig Moves on Location	Email and/or Phone	NRS and PET
Well Spud <sup>(3)</sup>	Sundry Notice	PET only
Drilling Rig Leaves Location	Email and/or Phone	NRS and PET
Completion Rig Moves on Location	Email and/or Phone	NRS and PET
Completion Rig Leaves Location	Email and/or Phone	NRS and PET
Work-Over Rig Moves on Location	Email and/or Phone	NRS
Work-Over Rig Leaves Location	Email and/or Phone	NRS

NOTES: NRS = Natural Resource Specialist

(1) Construction-related activities may include, but are not limited to, pad and road construction, pad expansion, clearing pipeline corridors, trenching, recontouring. The Sundry Notice will include the well pad name, location, and date of construction.

(2) Reclamation activities may include, but are not limited to, seed bed preparation that requires disturbance of surface soils, seeding, or constructing enclosures (e.g., fences) to exclude livestock from reclaimed areas.

(3) Breaking ground for drilling surface casing.

2. The applicant is responsible for informing all persons who are associated with the project that they will be subject to prosecution for knowingly disturbing archaeological sites or for collecting artifacts.
3. If any archaeological materials are discovered as a result of operations under this authorization, activity in the vicinity of the discovery will cease, and the BLM WRFO Archaeologist will be notified immediately. Work may not resume at that location until approved by the AO. The applicant will make every effort to protect the site from further impacts including looting, erosion, or other human or natural damage until BLM determines a treatment approach, and the treatment is completed. Unless previously determined in treatment plans or agreements, BLM will evaluate the cultural resources and, in consultation with the State Historic Preservation Office (SHPO), select the appropriate mitigation option within 48 hours of the discovery. The applicant, under guidance of the BLM, will implement the mitigation in a timely manner. The process will be fully documented in reports, site forms, maps, drawings, and photographs. The BLM will forward documentation to the SHPO for review and concurrence.
4. Pursuant to 43 CFR 10.4(g), the applicant must notify the AO, by telephone and written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4(c) and (d), the operator must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the AO.
5. The applicant is responsible for informing all persons who are associated with the project operations that they will be subject to prosecution for disturbing or collecting vertebrate or other scientifically-important fossils, collecting large amounts of petrified wood (over 25lbs./day, up to 250lbs./year), or collecting fossils for commercial purposes on public lands.
6. If any paleontological resources are discovered as a result of operations under this authorization, the applicant or any of his agents must stop work immediately at that site, immediately contact the BLM Paleontology Coordinator, and make every effort to protect the site from further impacts, including looting, erosion, or other human or natural damage. Work may not resume at that location until approved by the AO. The BLM or designated paleontologist will evaluate the discovery and take action to protect or remove the resource within 10 working days. Within 10 days, the operator will be allowed to continue construction through the site, or will be given the choice of either (a) following the Paleontology Coordinator's instructions for stabilizing the fossil resource in place and avoiding further disturbance to the fossil resource, or (b) following the Paleontology Coordinator's instructions for mitigating impacts to the fossil resource prior to continuing construction through the project area.



7. In addition to the applicant committed design features, existing state and Federal requirements, the following BLM requirements will apply to minimize impacts associated with the development phase of the proposed project:
  - All drill rigs, fracing, and completion related engines will be required to meet EPA Non-Road Tier II Emissions Standards (or cleaner) for all well development operations.
8. To reduce erosion and reduce the risk of weed establishment, interim reclamation will be initiated when either there are no drilling activities expected on the well pad for the next six months or there has been no activity on the well pad within the last six months, regardless of whether or not there are outstanding approved APDs.
9. Livestock should generally be excluded from reclaimed areas, the maximum extent of disturbance of the well pad (i.e., the well pad footprint), until successful reclamation is achieved. Fencing should remain in place through successful interim reclamation and again through successful final reclamation to promote re-vegetation and reduce weeds. Fences, cattleguards, and gates (all built to BLM specification per BLM manual H-1741-1 (see below for fence specifications) will be installed, maintained, and removed by the operator upon approval by the AO. The fence around the well pad must also have a wire gate installed adjacent to the cattleguard or at another appropriate location to be used in the case of livestock becoming entrapped inside the well pad area. As part of final abandonment the fence around this well pad will be removed.

The fence constructed around the well pad will be a 36 inch height sheep fence with the following specifications:

  - a) 2 inches from ground woven 24 inch wire.
  - b) 2 inches above woven wire a single strand of barbed wire
  - c) 8 inches from single strand wire another strand of barbed wire.
10. All seed tags will be submitted via Sundry Notice (SN) to the designated Natural Resource Specialist within 14 calendar days from the time the seeding activities have ended. The SN will include the purpose of the seeding activity (i.e., seeding well pad, cut and fill slopes, seeding pipeline corridor, etc.). In addition, the SN will include the well or well pad number associated with the seeding activity, if applicable, the name of the contractor that performed the work, his/her phone number, the method used to apply the seed (e.g., broadcast, hydro-seeded, drilled), whether the seeding activity represents interim or final reclamation, the total acres seeded, an attached map that clearly identifies all disturbed areas that were seeded, and the date the seed was applied.
11. Each year by January 1st the proponent will submit a Reclamation Status Report to the WRFO that includes the well number, API number, legal description, UTM coordinates, project description (e.g., well pad, pipeline, etc.), reclamation status (e.g., interim or final), whether the well pad and/or pipeline has been re-vegetated and/or re-contoured, date seeded, photos of the reclaimed site, acres seeded, seeding method (e.g., broadcast, drilled, hydro-seeded, etc.), and contact information for the person responsible for developing the report. The report will include maps showing each point (i.e., well pad), polygon, and/or polyline (i.e., pipeline) feature that was included in the report. The data must be submitted in UTM Zone 13N, NAD 83, in units of meters. In addition, scanned copies of seed tags that accompanied the seed bags will be included with the report. Internal and external review of the WRFO Reclamation Status Report and the process used to acquire the necessary information will be conducted annually, and new information or changes in the reporting process will be incorporated into the report.
12. The operator shall meet the following reclamation success criteria, and these standards apply to both interim and final reclamation:
  - a) Self-sustaining desirable vegetative groundcover consistent with the site Desired Plant Community (DPC) (as defined by the range site, WRFO Assessment, Inventory, and Monitoring (AIM) protocol site data (BLM TN 440), ecological site or an associated approved reference site) is adequately established as described below on disturbed surfaces to stabilize soils through the life of the project.
  - b) Vegetation with eighty percent similarity of desired foliar cover, bare ground, and shrub and/or forb density in relation to the identified DPC. Vegetative cover values for woodland or shrubland sites are based on the capability of those sites in an herbaceous state.



- c) The resulting plant community must have composition of at least five desirable plant species, and no one species may exceed 70 percent relative cover to ensure that site species diversity is achieved. Desirable species may include native species from the surrounding site, species listed in the range/ecological site description, AIM data, reference site, or species from the BLM approved seed mix. If non-prescribed or unauthorized plant species (e.g., yellow sweetclover, *Melilotus officinalis*) appear in the reclamation site BLM may require their removal.
  - d) Bare ground does not exceed the AIM data, range site description or if not described, bare ground will not exceed that of a representative undisturbed DPC meeting the Colorado Public Land Health Standards.
- 13. All equipment that may act as a vector for weeds shall be cleaned before entering the project area.
  - 14. Application of herbicides must comply with the Vegetation Treatments on Bureau of Land Management Lands in 17 Western States Programmatic Environments Impact Statement (EIS), and the WRFO Integrated Weed Management Plan (DOI-BLM-CO-110-2010-0005-EA).
  - 15. All seed, straw, mulch, or other vegetative material to be used on BLM lands will comply with United States Department of Agriculture (USDA) state noxious weed seed requirements and must be certified by a qualified Federal, State, or county office as free of noxious weeds. Any seed lot with test results showing presence of State of Colorado A or B list species will be rejected in its entirety and a new tested lot will be used instead. All areas identified to be disturbed under this proposal will be monitored and treated for noxious weeds on an annual basis for the life of the project until Final Abandonment has been approved by the Authorized Officer.
  - 16. Pesticide Use Proposals (PUPs) must be submitted to and approved by the BLM before applying herbicides on BLM lands. The PUP will include target weed species, the herbicides to be used, application rates and timeframes, estimated acres to be treated, as well as maps depicting the areas to be treated and known locations of weeds. The WRFO recommends that all PUPs be submitted no later than March 1st of the year anticipating herbicide application.
  - 17. Surface disturbing activities involving well pad, pipeline, or access preparation or construction, the drilling and completion of wells, and routine activity-intensive maintenance and production activities would not be allowed between December 1 and April 30 to reduce cumulative impacts on wintering big game. This timing restriction would be subject to most current exception and modification provisions.
  - 18. Third-party oversight will be required for construction and drilling activities as well as initial interim and final reclamation activities. The third party contractor must be a qualified botanist and be able to identify local special status plant species. The oversight monitor, as well as the BLM NRS, must be notified more than one week prior to activities. The oversight monitor will ensure:
    - a. The occupied and suitable habitat is properly protected during earth moving activities are on-going.
    - b. Dust suppression activities are effective. If large plumes of dust are visible, the monitor can alert the project manager to temporarily halt activities until water can be applied.
    - c. Since construction activities may last several weeks, the monitor can be present during project onset and then as many times a week, but no less than once per week, as needed. BLM may require more or less time for the monitor to be on site.
    - d. If the monitor sees activities that impact the special status plant species and habitat, they must notify BLM immediately.
    - e. Oversight monitors must submit to BLM WRFO ecologist a site visit report of all monitoring visits.
  - 19. Personnel and activities associated with the construction, drilling, production, and operations of the Proposed Action will be confined to the permitted well pad location, access road, and pipeline ROW. Prior to well pad construction a temporary orange construction fence will be installed by the project proponent to deter any foot/construction traffic in and around the well pad and access route location. A third party monitor will advise on orange fence placement to ensure plants and suitable white shale habitat is protected. After completion, the orange fence must be removed and interim reclamation activities can begin. To increase the chances of re-seeding success a barbed wire fence should be placed around interim and final reclamation areas (See *Vegetation* section for design specifics).
    - a. "Sensitive area" signs will also be placed on the fence along the west and northern boundaries of the well pad. All fencing will be removed upon final BLM approved abandonment.



20. All available topsoil within suitable Rollins' cryptantha habitat will be removed to a depth of three inches in order to salvage possible seeds. The top three inches of soil will be segregated from other topsoil and spoils by silt fencing, or other barrier during project construction, and clearly signed "Sensitive soils".
21. The remaining topsoil on the well pad will be removed to a minimum depth of six inches and stockpiled separate from the topsoil removed in the occupied Rollins' cryptantha area and spoils by silt fencing, or other barrier until the soil has been re-distributed.
22. Stockpiled topsoil will be piled no deeper than 12 inches and will not be stockpiled for an extended period of time (over six months). If long-term storage is necessary topsoil must be seeded with a BLM approved seed mix. BLM recommends modified BLM Seed Mix three (see Table 11 below).
23. Construction activities must occur outside of the growing season (construction can occur from late September through March) to avoid indirect impacts to special status plant species. In the event construction and drilling occur during the growing season, fugitive dust must be aggressively controlled on all road and work areas using water only, free of any chemicals, oils, or solvents.
24. For interim reclamation the BLM recommends modified Seed Mix #3 (see Table 11 below). The mix has been modified to increase the number of forbs as well as reduce the competitive grass species. It is recommended that seeding occur between September one and March 31. If an alternate date of seeding is requested, contact the designated Natural Resource Specialist prior to seeding for approval. Drill seeding is the preferred method of application and drill seeding depth must be no greater than ½ inch. If drill seeding cannot be accomplished, seed should be broadcast at double the rate used for drill seeding, and harrowed into the soil. Final reclamation will be completed using the reclamation practices and seed mixes recommended at that time.

**Table 11. Recommended modified BLM Seed Mix #3.**

Seed Mix	Cultivar	Common Name	Scientific Name	Application Rate (lbs PLS/acre)
3	Whitmar	Bluebunch Wheatgrass	<i>Pseudoroegneria spicata ssp. inermis</i>	3.5
	Rimrock	Indian Ricegrass	<i>Achnatherum hymenoides</i>	4
		Needle and Thread Grass	<i>Hesperostipa comata ssp. comata</i>	3.5
	Maple Grove	Lewis Flax	<i>Linum lewisii</i>	1
		Scarlet Globemallow	<i>Sphaeralcea coccinea</i>	1
		Sulphur Flower Buckwheat	<i>Eriogonum umbellatum</i>	1.5

25. Weed management shall follow measures provided in the *Invasive, Non-native Species* section:
  - a. All sites shall be monitored and treated for noxious weeds on an annual basis for the life of the project until Final Abandonment has been approved by the BLM.
  - b. All herbicide use must comply with special status plant species buffers found in DOI-BLM-CO-110-2010-0005-EA.
  - c. Invasive species found in and near special status plant species populations must be manually controlled. Surrounding areas must be spotted treated with backpack sprayers. BLM must approve all herbicides used within 300 meters of special status plant species populations.
  - d. Herbicide applicator personnel must be trained in the identification of the nearby special status plant species.
26. The WRFO BLM ecologist will be notified if any maintenance is required after the initial project is completed. All mitigation measures must be followed for maintenance activities. Maintenance actions may require additional special status plant species surveys.

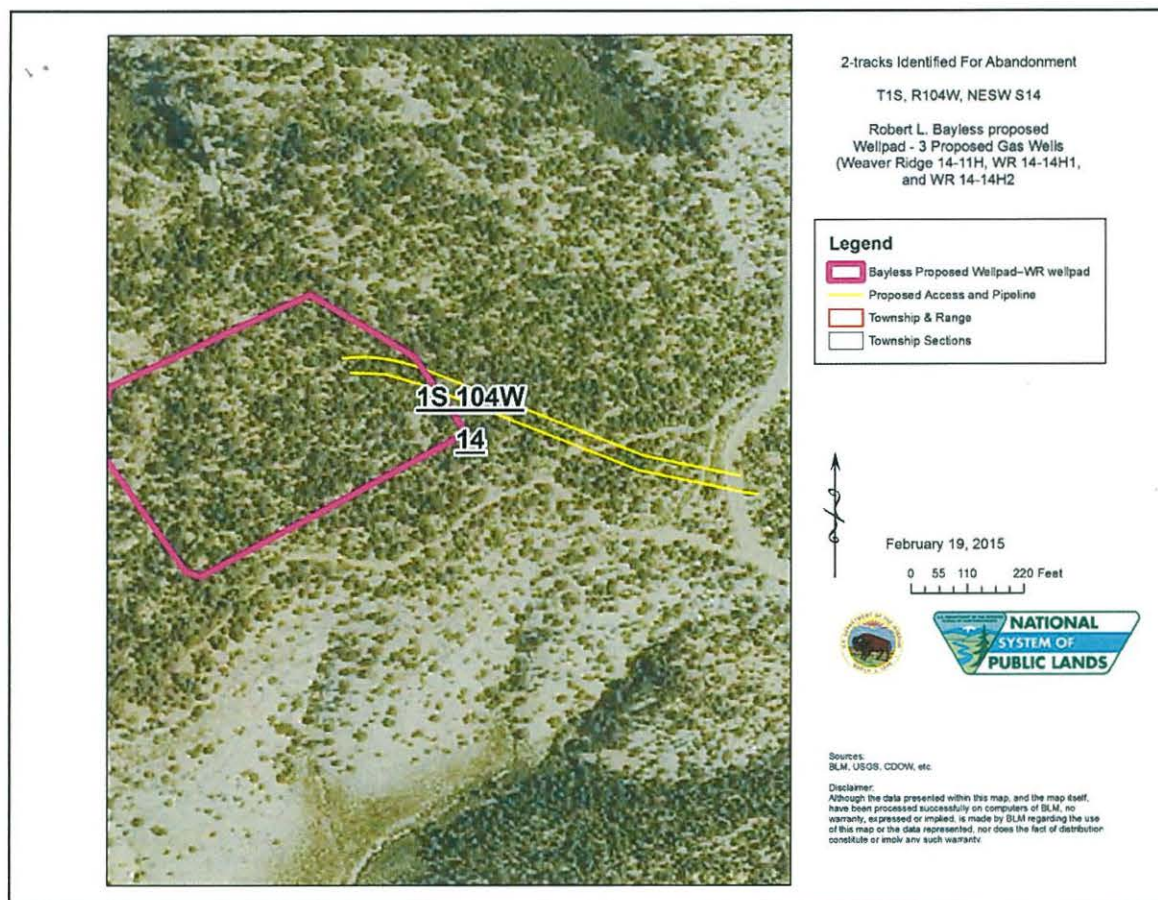


27. If, the project is not initiated within 3 years of the biological survey, all occupied and suitable habitat must be re-surveyed. The results of the survey must be provided to the BLM before further ground disturbing activities occur.
28. Any excavations into the underlying native sedimentary rock must be monitored by a permitted paleontologist. The monitoring paleontologist must be present before the start of excavations that may impact the underlying rock.
29. All above ground permanent structures (on site for six months or longer) shall be painted and maintained Juniper Green according to the BLM Standard Environmental Chart CC-001: June 2008.
30. If the operator damages any range improvement project(s) (e.g., fences, gates, water development, cattleguards) the operator will notify the Authorized Officer through Sundry Notice (Form 3160-5) and identify the actions taken to repair the feature(s) promptly. Repairs must be prior to the livestock grazing permittee's need to utilize the range improvement. In accordance with the 1997 White River RMP/ROD, all trees removed in the process of construction shall be purchased from the BLM. Trees should first be used in reclamation efforts and then any excess material made available for firewood or other uses.
31. Woody materials required for reclamation must be removed in whole with limbs intact and must be stockpiled along the margins of the authorized use area separate from the topsoil piles. Whole trees with limbs must additionally be placed accordingly along the existing 2-tracks identified for abandonment, woody material will be distributed in such a way to avoid large concentrations of heavy fuels and to effectively deter vehicle use (See *Access and Transportation* mitigation section for details). Once the disturbance has been recontoured and reseeded, stockpiled woody material must be scattered across the reclaimed area where the material originated. Redistribution of woody debris will not exceed 20 percent ground cover. Limbed material must be scattered across reclaimed areas in a manner that avoids the development of a mulch layer that suppresses growth or reproduction of desirable vegetation. Woody material will be distributed in such a way to avoid large concentrations of heavy fuels and to effectively deter vehicle use. Woody materials that are to be stockpiled along margins and not used in the topsoil should not exceed pile dimensions of 8 x 8 x 8 feet. Materials used in the stockpiles should be a variety of diameters, but should be no smaller than six inches in diameter. Additionally the piles should be no less than 30 feet apart.
32. Trees that must be removed for construction and are not required for reclamation shall be cut down to a stump height of six inches or less prior to other heavy equipment operation. These trees shall be cut in four foot lengths (down to four inches diameter) and placed in manageable stacks immediately adjacent to a public road to facilitate removal for company use or removal by the public.
33. During interim reclamation of roads, topsoil will be spread where successful revegetation is likely (e.g., along appropriate cut and fill slopes or at the top edge of the borrow ditches) and where it will not be disturbed during regular road maintenance activities.
34. When obliterating a road no longer needed, gravel or surfacing material should be removed and reused to the maximum extent possible. Culverts and other drainage features should be removed, original contours should be reestablished, and the road should be ripped or pitted to remove compaction and increase infiltration.
35. Access to the Weaver Ridge 14-11H, WR 14-14H1, and WR 14-14H2 proposed wells goes through private land through two locked gates with one of the gates being located on private land. In the Surface Use Plan of the APDs for the three proposed wells, gate locations and lock combinations have not been provided for the BLM to access them. Prior to construction of the well pad for the three wells, Bayless must submit by Sundry Notice a map showing gate locations and combinations of the locks. For the WR 14-11H, WR 14-14H1, and WR 14-14H2 wells and any future wells proposed on this well pad; if access changes (e.g., a different lock, a different combination, additional gates) Bayless must provide the BLM the ability to access the wells and inform the BLM within seven business days of any changes by Sundry Notice. This is in accordance with 43 CFR 3162.1 – General Requirements (b).



36. At the time of final abandonment of the well pad, the following are requirements for final reclamation of the access road. Reclamation of all portions of the access road constructed for the purpose of well pad development for the location (Carl Allen 38 and Carl Allen 39) must comply with the following:
- Roads built for and no longer supporting oil and gas development have been recontoured, obliterated, revegetated, and are no longer distinguishable as a means of vehicle travel (i.e., no ruts or two-tracks). Particular emphasis must be placed on the edges of the road to ensure it is completely obliterated and no longer distinguishable.
37. In order to inform the public about the temporary nature and limited use of the access road, install and maintain signs at the beginning of the access road on both sides of the road. These signs are to be installed once road construction starts, and maintained in such a condition to remain legible throughout the duration of the road use and in place until the road is fully reclaimed. These signs are to contain the below wording and specifications:
- Sign Wording:
- Authorized Use Only**
- This temporary access road has been authorized by the Bureau of Land Management for authorized motorized users only. This road will be reclaimed to its original, natural condition when no longer needed. For information contact the BLM-White River Field Office 970 878-3800.
- Sign specifications:  
The words "AUTHORIZED USE ONLY" need to be centered on the top line only with black uppercase 3" letter size with other letters being uppercase black 2" and associated lowercase letter size. Lines are to be spaced 1 1/2" inches apart. The BLM emblem is placed in the upper right corner and is between 5"-8" in size. The sign must be white in color and of a durable material. Additional sign specification information can be found in the BLM Sign Guidebook if needed: Bureau of Land Management. 2004. Sign Guidebook. Denver, Colorado. BLM/WY/AE-05/010+9130. 170 pp.
38. The two existing 2-track roads (see map "2-tracks Identified for Abandonment" below), one north and one south of the proposed access road (one road approximately 144 feet north, and one road approximately 140 feet south) must be closed in such a manner to prevent motor vehicle traffic from using them. The following are the required road closure methods:
- During construction of the well pad and access road, entire trees removed will be placed along the existing 2-tracks identified for abandonment.
  - It is recommended work begin from the furthest west point working east of the 2-track road and placed far enough west such that the 2-track roads cannot be seen for BLM 1509.
  - Vehicle and machinery traffic to close the roads may only take place in areas approved in accordance with the permit.
    - No shortcutting will be allowed
  - If the methods implemented do not prevent motor vehicle traffic on the identified 2-tracks, additional work may be required.
  - It is recommended Bayless contact BLM prior to commencement and at completion of this work.
  - Additional requirements for closing road in 5.18 Forestry and Woodland Products





39. All activities would be required to comply with all applicable local, state, and Federal laws, statutes, regulations, standards, and implementation plans. This would include acquiring all required State and Rio Blanco County permits, implementing all applicable mitigation measures required by each permit, and effectively coordinating with existing facility ROW holders.
40. The holder shall provide the BLM Authorized Officer (AO) with data in a format compatible with the WRFO's ESRI ArcGIS Geographic Information System (GIS) to accurately locate and identify the ROW and all constructed infrastructure, (as-built maps) within 60 days of construction completion. Acceptable data formats are: (1) corrected global positioning system (GPS) files with sub-meter accuracy or better; (2) ESRI shapefiles or geodatabases; or at last resort, (3) AutoCAD .dwg or .dxf files. Option 2 is highly preferred. In ALL cases the data must be submitted in Universal Transverse Mercator (UTM) Zone 13N, NAD 83, in units of meters. Data may be submitted as: (1) an email attachment; or (2) on a standard compact disk (CD) in compressed (WinZip only) or uncompressed format. All data shall include metadata, for each submitted layer, that conforms to the Content Standards for Digital Geospatial Metadata from the Federal Geographic Data Committee standards. Questions should be directed to WRFO BLM GIS staff at (970) 878-3800.
41. Construction activity should take place entirely within the areas authorized in the ROW grants.
42. At least 90 days prior to termination of the right-of-way, the holder shall contact the Authorized Officer to arrange a joint inspection of the right-of-way. This inspection will be held to agree to an acceptable termination and rehabilitation plan. This plan shall include, but is not limited to, removal of facilities, drainage structures, and surface material (e.g., gravel or concrete), as well as final recontouring, spreading of topsoil, and seeding. The Authorized Officer must approve the plan in writing prior to the holder's commencement of any termination activities.
43. For the purpose of determining joint maintenance responsibilities, the holder shall make road use plans known to all other authorized users of the common access road. Upon request, the Authorized Officer shall be provided with copies of any maintenance agreement entered into.
44. No surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to special stipulations in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.



45. Boundary adjustments in Oil and Gas lease/unit COC58704 shall automatically amend this right-of-way to include that portion of the facility no longer contained within the above described lease/unit COC58704. In the event of an automatic amendment to this right-of-way, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.
46. Comply with all Federal, State and/or local laws, rules and regulations, including but not limited to onshore orders and notices to lessees, addressing the emission of and/or the handling, use, and release of any substance that poses a risk of harm to human health or the environment. All spills or leakages of oil, gas, produced water, toxic liquids or waste materials, blowouts, fires, shall be reported by the operator in accordance with the regulations and as prescribed in applicable orders or notices.
47. Where required by law or regulation to develop a plan for the prevention of releases or the recovery of a release of any substance that poses a risk of harm to human health or the environment, provide a current copy of said plan to the BLM WRFO.
48. When drilling to set the surface casing, drilling fluid will be composed only of fresh water, bentonite, and/or a benign lost circulation material that does not pose a risk of harm to human health or the environment (e.g., cedar bark, shredded cane stalks, mineral fiber and hair, mica flakes, ground and sized limestone or marble, wood, nut hulls, corncobs, or cotton hulls).
49. All substances that pose a risk of harm to human health or the environment shall be stored in appropriate containers. Fluids that pose a risk of harm to human health or the environment, including but not limited to produced water, shall be stored in appropriate containers and in secondary containment systems at 110% of the largest vessel's capacity. Secondary fluid containment systems, including but not limited to tank batteries shall be lined with a minimum 24 mil impermeable liner.
50. Construction sites and all facilities must be maintained in a sanitary condition at all times; waste materials shall be disposed of promptly at an appropriate waste disposal site. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes, and equipment.
51. As a reasonable and prudent lessee/operator in the oil and gas industry, acting in good faith, all lessees/operators and right-of-way holders will report all emissions or releases that may pose a risk of harm to human health or the environment, regardless of a substance's status as exempt or nonexempt and regardless of fault, to the BLM WRFO (970) 878-3800.
52. As a reasonable and prudent lessees/operator and/or right-of-way holder in the oil and gas industry, acting in good faith, all lessees/operators and right-of-way holders will provide for the immediate clean-up and testing of air, water (surface and/or ground) and soils contaminated by the emission or release of any substance that may pose a risk of harm to human health or the environment, regardless of that substance's status as exempt or non-exempt. Where the lessee/operator or right-of-way holder fails, refuses or neglects to provide for the immediate clean-up and testing of air, water (surface and/or ground) and soils contaminated by the emission or release of any quantity of a substance that poses a risk of harm to human health or the environment, the BLM WRFO may take measures to clean-up and test air, water (surface and/or ground) and soils at the lessee/operator's expense. Such action will not relieve the lessee/operator of any liability or responsibility.

# ROBERT L. BAYLESS, PRODUCER LLC

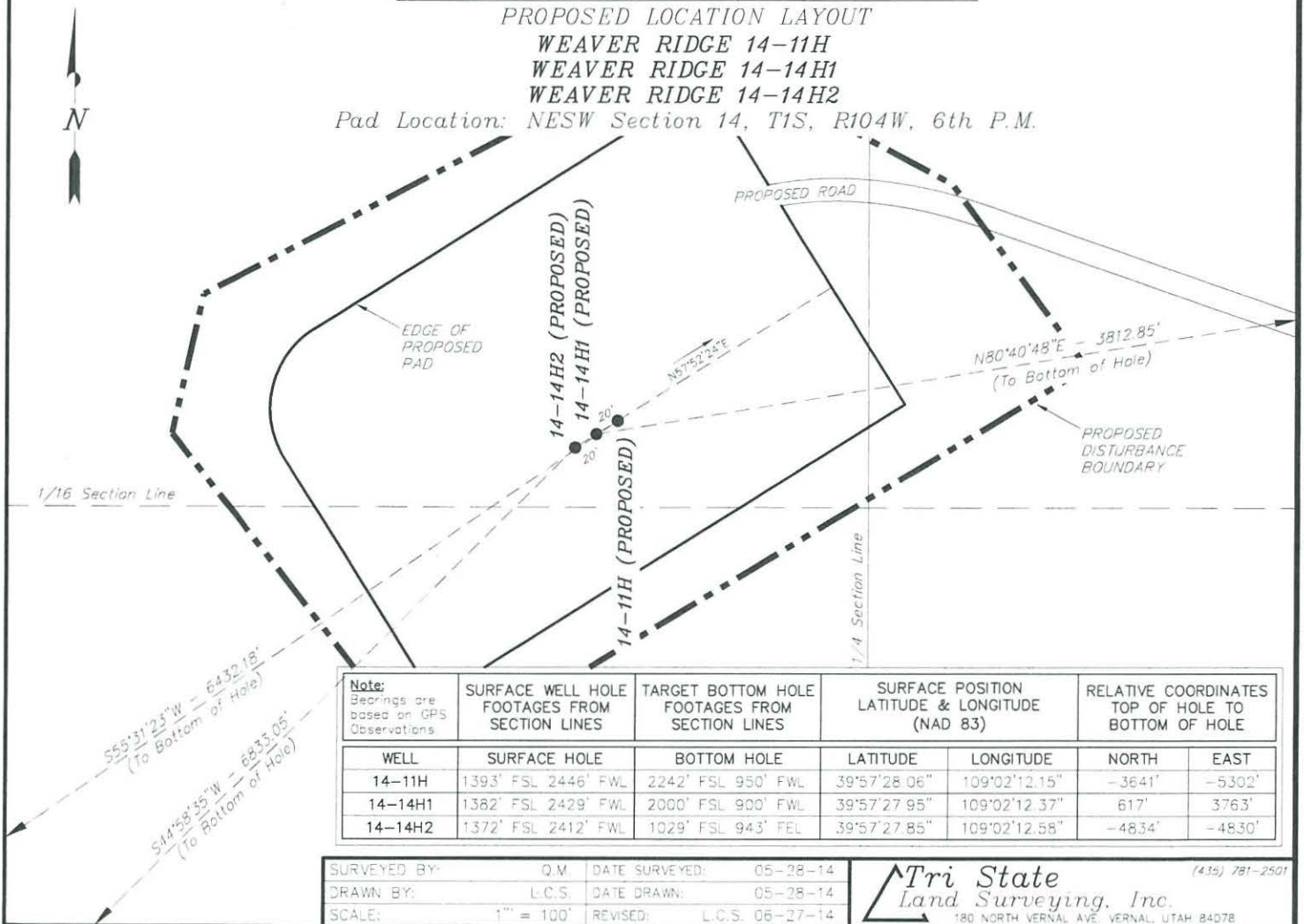
## PROPOSED LOCATION LAYOUT

WEAVER RIDGE 14-11H

WEAVER RIDGE 14-14H1

WEAVER RIDGE 14-14H2

Pad Location: NESW Section 14, T1S, R104W, 6th P.M.





Robert L. Bayless, Producer LLC  
**Weaver Ridge 14-14H1**  
SHL: 1,382' FSL 2,429' FWL (NE/4 SW/4)  
Sec. 14 T1S R104W  
BHL: ±2,000' FSL ±900' FWL (NW/4 SW/4)  
Sec. 13 T1S R104W  
Rio Blanco County, Colorado  
Surface: Federal  
Federal Mineral Lease: COC58704

#### DRILLING PROGRAM

**(All Drilling Procedures will be followed as Per Onshore Orders No. 1 and No. 2)**

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO 1) and supporting Bureau of Land Management (BLM) documents. This NOS process included an initial onsite meeting on November 19, 2013, with a subsequent onsite meeting on August 18, 2014, prior to the submittal of the application, at which time the specific concerns of Robert L. Bayless, Producer LLC (Bayless) and the BLM were discussed. All specific concerns of the BLM representatives are addressed herein, as are specific stipulations from the BLM.

Please contact John Thomas with Bayless at, 505-326-2659, if there are any questions or concerns regarding this Drilling Program.

SURFACE ELEVATION – Green River Formation – Fresh water possible above 300'

SURFACE FORMATION – 6,654' (Ground Elevation)

1. ESTIMATED FORMATION TOPS – (Water, oil, gas and/or other mineral-bearing formations)

Formation	TVD	MD	Geology
Green River	Surface	Surface	Sandstones, shales, siltstones
Wasatch	2,068 ft	2,068 ft	Sandstones, shales, siltstones
Mesaverde	2,481 ft	2,481 ft	Sandstones, shales, siltstones
Sego	3,572 ft	3,572 ft	Sandstones, shales and siltstones
Buck Tongue	3,853 ft	3,853 ft	Sandstones, shales and siltstones
Castlegate	4,083 ft	4,083 ft	Sandstones, shales and siltstones
Mancos	4,224 ft	4,224 ft	Shales and siltstones
Mancos A	5,011 ft	5,038 ft	Shales and siltstones
Mancos B	5,235 ft	5,399 ft	Shales and siltstones
McB Basal Sandstone	5,337 ft	5,660 ft	Shales and siltstones
<b>Total Depth</b>	<b>5,353 ft</b>	<b>8,820 ft</b>	

**2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR MINERAL BEARING FORMATIONS**

Estimated depths at which water, oil, gas or other mineral-bearing formations are expected to be encountered:

<b>Formation</b>	<b>TVD</b>	<b>MD</b>	<b>Geology</b>
Green River	Surface	Surface	Some water, oil or gas bearing
Wasatch	2,068 ft	2,068 ft	Some water, oil or gas bearing
Mesaverde	2,481 ft	2,481 ft	Some water, oil or gas bearing
Sego	3,572 ft	3,572 ft	Some water, oil or gas bearing
Buck Tongue	3,853 ft	3,853 ft	Some water, oil or gas bearing
Castlegate	4,083 ft	4,083 ft	Some water, oil or gas bearing
Mancos	4,224 ft	4,224 ft	Some water and gas bearing
Mancos A	5,011 ft	5,038 ft	Some water and gas bearing
Mancos B	5,235 ft	5,399 ft	Some water, oil or gas bearing
McB Basal Sandstone	5,337 ft	5,660 ft	Shales and siltstones

Green River Formation – Fresh water possible above 300’.

Mancos B – 5,811’ – 8,820 Gas/Oil - Lateral Measured Depth

Water Zones will be protected by setting 9 5/8” casing to 500 ft and circulation cement back to surface. All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth, and adequately protected. A sample will be taken of any water flow and furnished to the White River Field Office for analysis, if requested. All water shows must be reported within one (1) business day after being encountered.

**3. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL**

(See attached BOP schematic diagram – Exhibit 3)

All well control equipment shall be installed in accordance with Onshore Order #2 for 3M (3000 psi) systems.

Well control equipment will be rigged up after setting surface casing.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram showing size and pressure readings. BOP’s and choke manifold will be installed and pressure tested before drilling out under surface casing (subsequent pressure test will be performed whenever pressure seals are broken), and then will be checked daily as to mechanical operating condition. BOP’s will be pressure tested at least once every 30 days. Ram type preventers and related pressure control equipment will be pressure tested to rated working pressure of the stack assembly if a test plug is used. If a plug is not used, the stack assembly will be tested to the rated working pressure of the stack assembly or to 70% of the minimum internal yield of the casing, whichever is less. Annular type preventers will be pressure tested to 50% of their rated working pressure. All casing strings will be pressure tested to 0.22 psi/ft. or 1500 psi, whichever is greater, not to exceed 70% of internal yield.



## 4. CASING &amp; CEMENTING PROGRAM

(See attached surface casing and centralizer design)

Interval (MD)	Hole Diameter	Casing Diameter	Casing Weight and Grade	Section	Cement *
Conductor	20"	14"	(0.25 wall) (New)	Cond	Class G Cement to Surface $\pm 80$ sx
Surf – 500 ft	12-1/4"	9-5/8"	36# J-55 ST&C (New)	Surface	To surface with $\pm 290$ sxs Class "G"
Surf – 5,811 ft	8-3/4"	7"	23# J-55 LT&C (New)	Intermediate	Lead: $\pm 190$ sx Premium Lite II (3,800 ft - surface) Tail: $\pm 312$ sx 50:50 Pozmix G (3,800 ft – 5,811 ft)
5,811 – 8,820 ft	6-1/8"	*4-1/2"	*11.6# I-80 LT&C (New)	*Liner	* Liner will not be cemented. Packers plus systems

\* 4-1/2" liner will not be cemented.

Cement additives – (Note: Some additives are proprietary products. If another cement contractor is used, these blends and products may vary slightly).

## 5. CEMENT ADDITIVES:

Surface:		<b>Class G</b> 2%CaCl <sub>2</sub> .25 lbs/sx Flocele
Intermediate	Lead:	<b>Premium Lite II</b> .16%gel 10#/sx Gilsonite 3#sx GR-3 0.03% salt .25 lbs/sx Flocele
	Tail:	<b>50/50 Poz G</b> 0.02% Gel 10% salt 0.02% CFL 0.25 lbs/sx Flocele

- Cement volumes are based on gauge hole and will be revised as necessary (Caliper data or mud log) to ensure coverage of all fresh water and hydrocarbon bearing formations.
- 9 5/8" Surface Casing will be cemented to surface. Cement calculation were performed with 100% excess.
- 7" Intermediate casing will remain in place from surface to 5811 ft and it will be cement to surface with 30 % excess. Actual Cement Volumes will be determined from caliper log
- All casing will be in new condition.

- Conductor and surface casing may be pre-installed and cemented by a smaller conventional air/mist drilling rig.

\*Yields: "Class G" = 1.15 ft<sup>3</sup>/sx  
 "Premium Lite II" = 3.82 ft<sup>3</sup>/sx  
 "50:50 Pozmix G" = 1.26 ft<sup>3</sup>/sx

#### 6. MUD PROGRAM

Interval	Mud Type	Weight	Viscosity	Water Loss (cc)
0 - 500	KCL/polymer system	8.4 - 8.6	38 - 42	6-8
500-5,811	KCL/polymer system	8.4 - 9.4	45 - 60	6-8
5,811 - 8,820	KCL/polymer system	9.4 - 9.8	60 - 80	3-5

Sufficient inventory of mud materials to maintain mud properties, control lost circulation and to contain "kick" will be available at the well site while drilling. Mud will be checked hourly by rig personnel. Material to soak up possible oil or fuel spills will be on site. A mud logger, gas detector and flow sensor will be used. Pressure, volume and temperature will be monitored. It is no intended to use oil in the mud.

#### AUXILIARY EQUIPMENT

- A) Upper and lower kelly cocks - will be available on rig floor
- B) Inside BOP or stab-in valve (available on rig floor)
- C) Mud monitoring will be visually observed
- D) Flare Line System- will be installed prior to drilling our the surface casing shoe

#### 7. LOGGING, CORING, AND TESTING PROGRAM

- A) Logging: The electric logging program will consist of a Gamma Ray and Resistivity While drilling from KOP (4,586 ft) to TD
- B) Coring: No coring is planned for this well.
- C) Testing: No DSTs are planned. A DST may be run on an unexpected show of interest.
- D) Mud Logging: Mud logger will be present from 500 ft to TD.

#### 8. ABNORMAL CONDITIONS

- A) Pressures: No anticipated abnormal pressures expected to be encountered  
Mancos formation pressure gradient-approximately 0.42 psi/ft
- B) Temperatures: No anticipated abnormal temperatures expected to be encountered
- C) H2S: No Hydrogen Sulfide expected
- D) Anticipated bottom-hole pressure: less than 2,248 psi

#### 9. ANTICIPATED START DATE AND OTHER INFORMATION

The anticipated starting date and duration of the drilling operations will be as follow:

Starting date: May 1, 2015  
 Drilling Days: Approximately 24 days  
 Completion Days: Approximately 5 days

The well will be drilled from surface location to bottom-hole location per attached directional plan as shown on exhibit 8. The proposed well path should not pose any collision or interference concerns with any existing wells along its proposed path.

Footage at top of Productive Zone (intermediate casing shoe) 1,515' FSL & 2,070' FWL Sec 14 T1S R104W.

Existing location pad will be of sufficient size to accommodate all completion activities and equipment. All conditions of this approved plan will be applicable during all drilling and completion operations.

Robert L. Bayless, Producer LLC  
**Weaver Ridge 14-14H1**  
 SHL: 1,382' FSL 2,429' FWL (NE/4 SW/4)  
 Sec. 14 T1S R104W  
 BHL: ±2,000' FSL ±900' FWL (NW/4 SW/4)  
 Sec. 13 T1S R104W  
 Rio Blanco County, Colorado  
 Surface: Federal  
 Federal Mineral Lease: COC58704

### SURFACE CASING AND CENTRALIZER DESIGN

Proposed Total Depth: 5,353 ' TVD 8,820 ' - MD  
 Proposed Depth of Surface Casing: 500 ' MD  
 Estimated Pressure Gradient: 0.42 psi/ft  
 Bottom Hole Pressure at 5,353 ' = 2,248 psi  
 $0.42 \text{ psi/ft} \times 5,353 ' = 2,248 \text{ psi}$   
 Hydrostatic Head of gas/oil mud: 0.22 psi/ft  
 $0.22 \text{ psi/ft} \times 5,353 ' = 1,178 \text{ psi}$

#### Maximum Design Surface Pressure

Bottom Hole Pressure - Hydrostatic Head =  
 $(0.42 \text{ psi/ft} \times 5,353 ' ) - (0.22 \text{ psi/ft} \times 5,353 ' ) =$   
 $2,248 \text{ psi} - 1,178 \text{ psi} = 1,071 \text{ psi}$

#### Casing Strengths 9-5/8" J-55 36# ST&C

Wt.	Tension (lbs)	Burst (psi)	Collapse (psi)
36 #	394,000	3,520	2,020

#### Safety Factors

Tension (Dry): 1.8 Burst: 1.0 Collapse: 1.125

Tension (Dry):  $36 \text{ # / ft} \times 500 ' = 18,000 \text{ #}$   
 Safety Factor =  $\frac{394,000}{18,000} = 21.89$  ok

Burst: Safety Factor =  $\frac{3,520 \text{ psi}}{1,071 \text{ psi}} = 3.29$  ok

Collapse: Hydrostatic =  $0.052 \times 9.0 \text{ ppg} \times 500 ' = 234 \text{ psi}$   
 Safety Factor =  $\frac{2,020 \text{ psi}}{234 \text{ psi}} = 8.63$  ok

Use 500 ' 9-5/8" J-55 36# ST&C

Use 2,000 psi minimum casinghead and BOP's

#### Centralizers

8 Total  
 1 near surface at 160'  
 3 -1 each at middle of bottom joint, second joint, third joint  
 4 -1 each at every other joint ±80 ' spacing

Total centralized ± 600 ' ( -100 ' - 500 ' )

Note that field experience indicates that additional centralizers greatly increase the chance of "sticking" the surface casing prior to reaching surface casing total depth.



**Robert L. Bayless, Producer LLC****Weaver Ridge # 14-14H1**

SHL:1382' FSL &amp; 2429' FWL (NESW) Section 14, T1S R104W

BHL: 2000' FSL &amp; 900' FWL (NWSW) Section 13, T1S R104W

Rio Blanco County, Colorado

Federal Lease: COC-058704

**INTERMEDIATE AND PRODUCTION CASING DESIGN**

Proposed Total Vertical Depth:	5,353 ft	Proposed Depth of Surface Casing:	500 ft
Estimated Pressure Gradient:	0.42 psi/ft		
Bottom Hole Pressure at 5,353 ft		Hydrostatic Head of gas/oil mud:	0.22 psi/ft
0.42 psi/ft x 5,353 ft =	2,248 psi	0.22 psi/ft x 5,353 ft =	1,178 psi

Maximum Design Surface Pressure

Bottom Hole Pressure	—	Hydrostatic Head	=	
(0.42 psi/ft x 5,353 ft)	—	(0.22 psi/ft x 5,353 ft)	=	
2,248 psi	—	1,178 psi	=	1,070 psi

Intermediate Casing Strengths 7" J-55 23.0 #/ft LT&C

<u>Wt (#/ft)</u>	<u>Tension (lbs)</u>	<u>Burst (psi)</u>	<u>Collapse (psi)</u>
23.0	366,000	4,360	3,270

Safety Factors

Minimum Standards: Tension (Dry): 1.8 Burst: 1.0 Collapse: 1.125

Tension (Dry): Casing Weight: 23.0 #/ft x 5,353 ft = 123,119 lbs

Safety Factor: 366,000 lbs / 123,119 lbs = **2.97** OKBurst: Safety Factor: 4,360 psi / 1,178 psi = **3.70** OK

Collapse: Hydrostatic: 0.052 x 9.4 ppg x 5,353 ft = 2,617 psi

Safety Factor: 3,270 psi / 2,617 psi = **1.25** OKUse: 7" J-55 23.0 #/ft LT&C casing — "New Condition"Production Casing Strengths 4.5" I-80 11.6 #/ft LT&C

<u>Wt (#/ft)</u>	<u>Tension (lbs)</u>	<u>Burst (psi)</u>	<u>Collapse (psi)</u>
11.6	267,000	7,780	6,350

Safety Factors

Minimum Standards: Tension (Dry): 1.8 Burst: 1.0 Collapse: 1.125

Tension (Dry): Casing Weight: 11.6 #/ft x 5,353 ft = 62,094 lbs

	Safety Factor:	267,000 lbs / 62,094 lbs	=	<u>4.30</u>	OK
Burst:	Safety Factor:	7,780 psi / 1,178 psi	=	<u>6.60</u>	OK
Collapse:	Hydrostatic:	0.052 x 9.8 ppg x 5,353 ft	=	2,728 psi	
	Safety Factor:	6,350 psi / 2,728 psi	=	<u>2.33</u>	OK

Use: 4.5" I-80 11.6 #/ft LT&C casing – "New Condition"

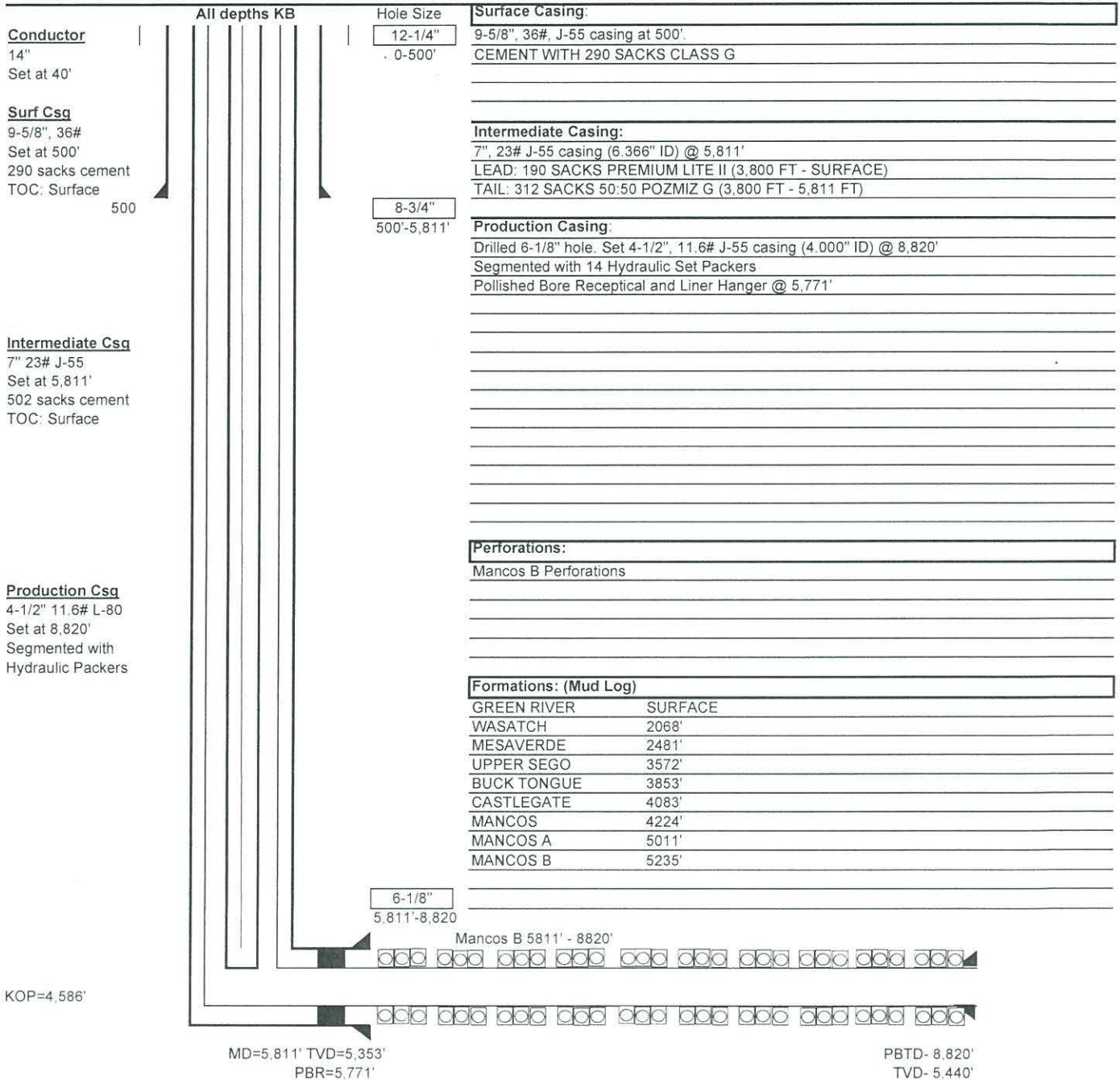
# ROBERT L BAYLESS, PRODUCER LLC

PO Box 168  
Farmington, New Mexico 87499  
505-326-2659  
505-326-6911 fax

## Wellbore Schematic

Well Name: WEAVER RIDGE 14-14H1  
S.H. Location: NESW 14-1S-104W 1,382' FSL 2,429' FWL  
B.H. Location: NWSW 13-1S-104W 2,000' FSL 900' FWL  
County: Rio Blanco County, Colorado  
API #: TBD  
Co-ordinates: 39.957765 N LAT, 109.036769 W LON  
Elevations: GROUND: 6654'  
KB: 14'  
Depths (KB): PBTD: 8820'  
TD: 8820'

Date Prepared: 7/14/2014  
Last Updated: TBD  
Spud Date: TBD  
Completion Date: TBD  
Last Workover Date: TBD





Company: Robert L. Bayless Producer LLC  
Field: Rio Blanco County, CO (NAD83)  
Location: Sec 14 T01S R104W  
Well: Weaver Ridge 14-14H1  
Original Wellbore  
Plan: Design #2 (Weaver Ridge 14-14H1/Original Wellbore)  
Est\_KB @ 6668.0usft

**gyrodata**

Precision Wellbore Placement

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4586.8	0.00	0.00	4586.8	0.0	0.0	0.00	0.00	0.0	
3	5336.8	60.00	80.68	5207.0	58.0	353.4	8.00	80.68	358.1	
4	5436.8	60.00	80.68	5257.0	72.0	438.8	0.00	0.00	444.7	
5	5811.8	90.00	80.68	5353.0	130.0	792.2	8.00	0.00	802.8	
6	8820.6	90.00	80.68	5353.0	617.3	3761.3	0.00	0.00	3811.6	Weaver Ridge 14-14H1 PBHL

#### WELL DETAILS: Weaver Ridge 14-14H1

Ground Level: 6649.0  
Est\_KB @ 6668.0usft

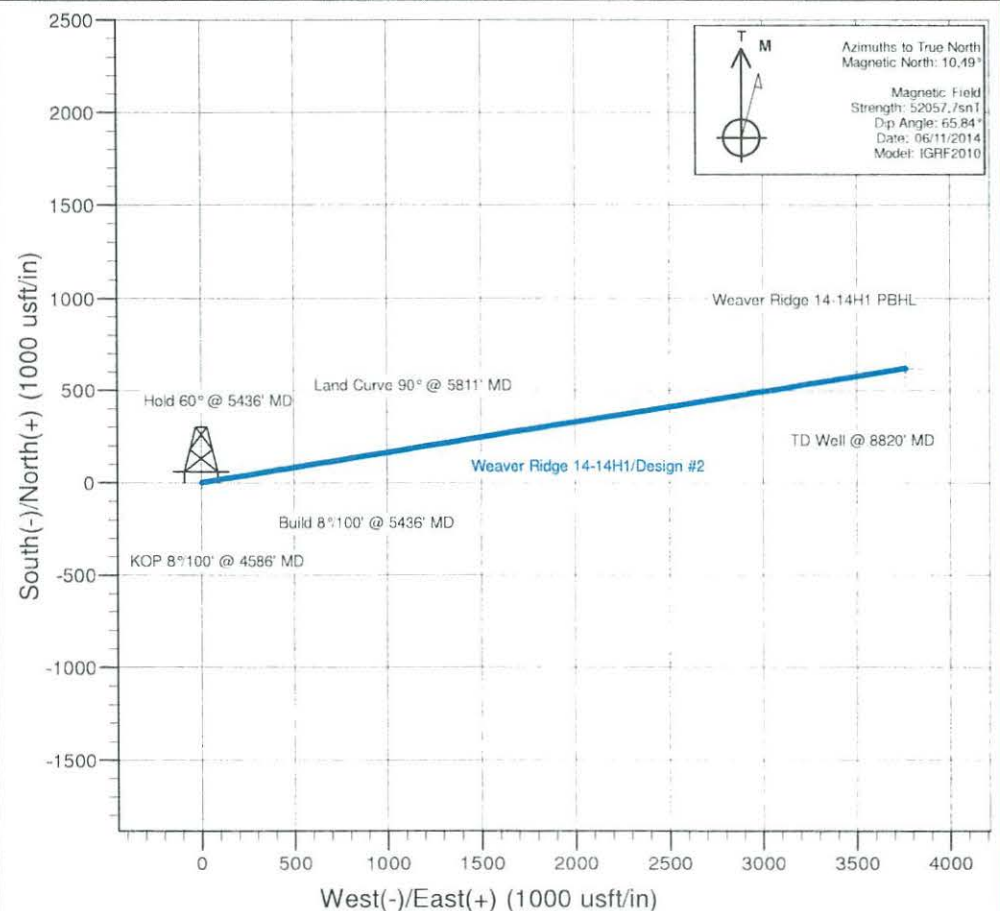
+N/-S 0.0 +E/-W 0.0 Northing 1247231.00 Easting 2008810.68 Latitude 39° 57' 27.954 N Longitude 109° 2' 12.368 W Slot

#### ANNOTATIONS

TVD	MD	Annotation
4586.8	4586.8	KOP 8°100' @ 4586' MD
5207.0	5336.8	Hold 60° @ 5436' MD
5257.0	5436.8	Build 8°100' @ 5436' MD
5353.0	5811.8	Land Curve 90° @ 5811' MD
5353.0	8820.6	TD Well @ 8820' MD

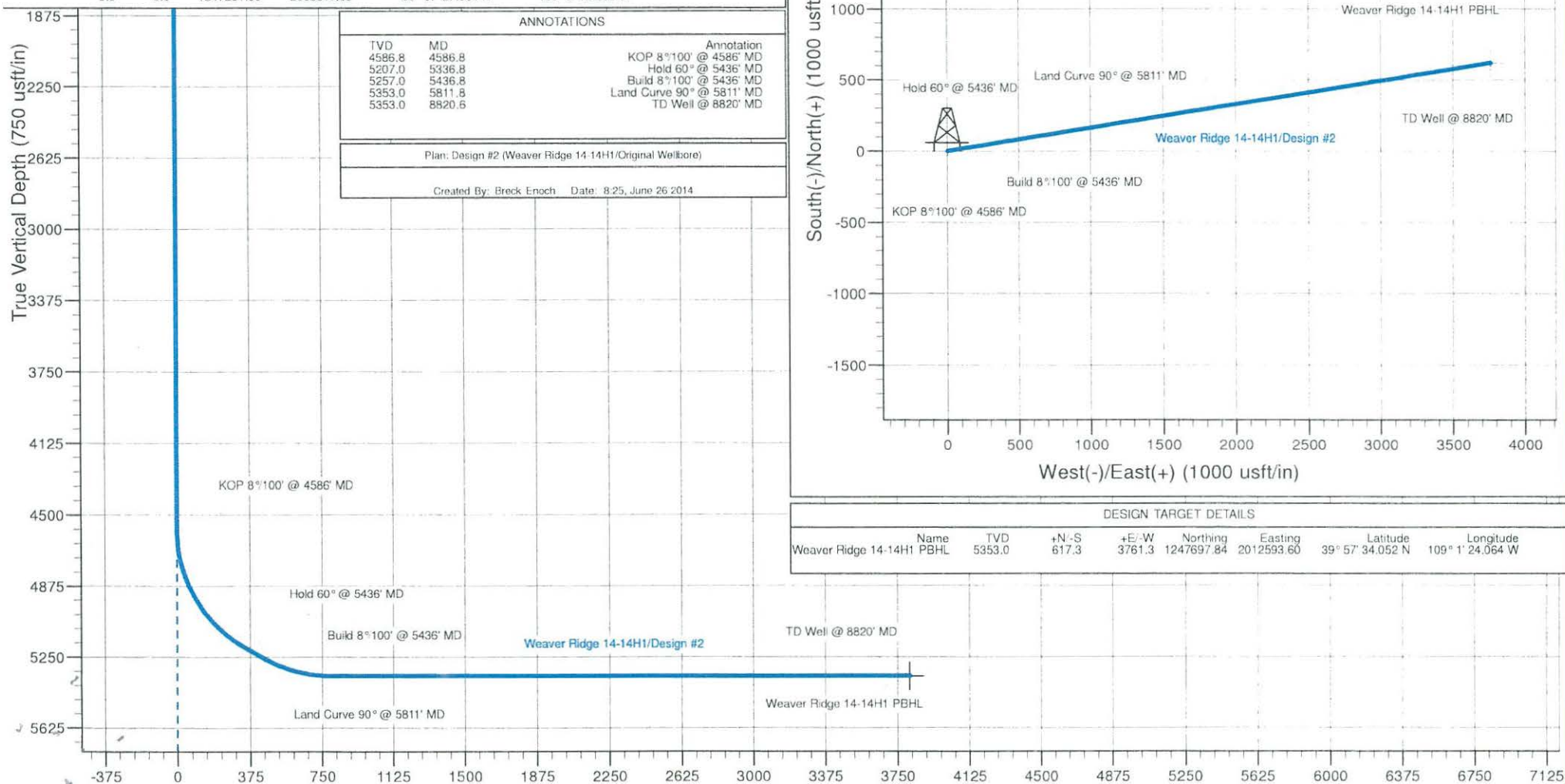
Plan: Design #2 (Weaver Ridge 14-14H1/Original Wellbore)

Created By: Breck Enoch Date: 8-25, June 26 2014



#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Weaver Ridge 14-14H1 PBHL	5353.0	617.3	3761.3	1247697.84	2012593.60	39° 57' 34.052 N	109° 1' 24.064 W



Vertical Section at 80.68° (750 usft/in)





# **Robert L. Bayless Producer LLC**

Rio Blanco County, CO (NAD83)

Sec 14.T01S R104W

Weaver Ridge 14-14H1

Original Wellbore

Plan: Design #2

## **Standard Planning Report**

26 June, 2014

***gyro/data***

Precision Wellbore Placement

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Weaver Ridge 14-14H1
Company:	Robert L. Bayless Producer LLC	TVD Reference:	Est_KB @ 6668.0usft
Project:	Rio Blanco County, CO (NAD83)	MD Reference:	Est_KB @ 6668.0usft
Site:	Sec 14 T01S R104W	North Reference:	True
Well:	Weaver Ridge 14-14H1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

Project	Rio Blanco County, CO (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Sec 14 T01S R104W		
Site Position:	Northing:	1,247,231.02 usft	Latitude: 39° 57' 27.954 N
From: Lat/Long	Easting:	2,008,810.69 usft	Longitude: 109° 2' 12.368 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: -2.29 "	

Well	Weaver Ridge 14-14H1		
Well Position	+N/-S 0.0 usft	Northing: 1,247,231.00 usft	Latitude: 39° 57' 27.954 N
	+E/-W 0.0 usft	Easting: 2,008,810.69 usft	Longitude: 109° 2' 12.368 W
Position Uncertainty 0.0 usft	Wellhead Elevation:	Ground Level: 6,649.0 usft	

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/11/14	10.49	65.84	52,058

Design	Design #2			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	80.68

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,586.8	0.00	0.00	4,586.8	0.0	0.0	0.00	0.00	0.00	0.00	
5,336.8	60.00	80.68	5,207.0	58.0	353.4	8.00	8.00	0.00	80.68	
5,436.8	60.00	80.68	5,257.0	72.0	438.8	0.00	0.00	0.00	0.00	
5,811.8	90.00	80.68	5,353.0	130.0	792.2	8.00	8.00	0.00	0.00	
8,820.6	90.00	80.68	5,353.0	617.3	3,761.3	0.00	0.00	0.00	0.00	Weaver Ridge 14-14H



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Weaver Ridge 14-14H1
Company:	Robert L. Bayless Producer LLC	TVD Reference:	Est_KB @ 6668.0usft
Project:	Rio Blanco County, CO (NAD83)	MD Reference:	Est_KB @ 6668.0usft
Site:	Sec 14 T01S R104W	North Reference:	True
Well:	Weaver Ridge 14-14H1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,586.8	0.00	0.00	4,586.8	0.0	0.0	0.0	0.00	0.00	0.00
KOP 8°/100' @ 4586' MD									
4,600.0	1.06	80.68	4,600.0	0.0	0.1	0.1	8.00	8.00	0.00
4,650.0	5.06	80.68	4,649.9	0.5	2.7	2.8	8.00	8.00	0.00
4,700.0	9.06	80.68	4,699.5	1.4	8.8	8.9	8.00	8.00	0.00
4,750.0	13.06	80.68	4,748.6	3.0	18.3	18.5	8.00	8.00	0.00
4,800.0	17.06	80.68	4,796.9	5.1	31.1	31.5	8.00	8.00	0.00
4,850.0	21.06	80.68	4,844.1	7.7	47.2	47.8	8.00	8.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Weaver Ridge 14-14H1
Company:	Robert L. Bayless Producer LLC	TVD Reference:	Est_KB @ 6668.0usft
Project:	Rio Blanco County, CO (NAD83)	MD Reference:	Est_KB @ 6668.0usft
Site:	Sec 14 T01S R104W	North Reference:	True
Well:	Weaver Ridge 14-14H1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.0	25.06	80.68	4,890.1	10.9	66.5	67.4	8.00	8.00	0.00
4,950.0	29.06	80.68	4,934.6	14.6	88.9	90.1	8.00	8.00	0.00
5,000.0	33.06	80.68	4,977.5	18.8	114.4	115.9	8.00	8.00	0.00
5,050.0	37.06	80.68	5,018.4	23.4	142.7	144.6	8.00	8.00	0.00
5,100.0	41.06	80.68	5,057.2	28.5	173.8	176.1	8.00	8.00	0.00
5,150.0	45.06	80.68	5,093.7	34.1	207.5	210.3	8.00	8.00	0.00
5,200.0	49.06	80.68	5,127.8	40.0	243.6	246.9	8.00	8.00	0.00
5,250.0	53.06	80.68	5,159.2	46.3	282.0	285.7	8.00	8.00	0.00
5,300.0	57.06	80.68	5,187.8	52.9	322.4	326.7	8.00	8.00	0.00
5,336.8	60.00	80.68	5,207.0	58.0	353.4	358.1	8.00	8.00	0.00
<b>Hold 60° @ 5436' MD</b>									
5,400.0	60.00	80.68	5,238.6	66.9	407.4	412.8	0.00	0.00	0.00
5,436.8	60.00	80.68	5,257.0	72.0	438.8	444.7	0.00	0.00	0.00
<b>Build 8°/100' @ 5436' MD</b>									
5,450.0	61.06	80.68	5,263.5	73.9	450.2	456.2	8.00	8.00	0.00
5,500.0	65.06	80.68	5,286.2	81.1	494.1	500.8	8.00	8.00	0.00
5,550.0	69.06	80.68	5,305.7	88.6	539.6	546.8	8.00	8.00	0.00
5,600.0	73.06	80.68	5,321.9	96.2	586.2	594.1	8.00	8.00	0.00
5,650.0	77.06	80.68	5,334.8	104.0	633.9	642.4	8.00	8.00	0.00
5,700.0	81.06	80.68	5,344.3	112.0	682.3	691.5	8.00	8.00	0.00
5,750.0	85.06	80.68	5,350.3	120.0	731.3	741.1	8.00	8.00	0.00
5,800.0	89.06	80.68	5,352.9	128.1	780.6	791.0	8.00	8.00	0.00
5,811.8	90.00	80.68	5,353.0	130.0	792.2	802.8	8.00	8.00	0.00
<b>Land Curve 90° @ 5811' MD</b>									
5,900.0	90.00	80.68	5,353.0	144.3	879.2	891.0	0.00	0.00	0.00
6,000.0	90.00	80.68	5,353.0	160.5	977.9	991.0	0.00	0.00	0.00
6,100.0	90.00	80.68	5,353.0	176.7	1,076.6	1,091.0	0.00	0.00	0.00
6,200.0	90.00	80.68	5,353.0	192.9	1,175.3	1,191.0	0.00	0.00	0.00
6,300.0	90.00	80.68	5,353.0	209.1	1,274.0	1,291.0	0.00	0.00	0.00
6,400.0	90.00	80.68	5,353.0	225.3	1,372.6	1,391.0	0.00	0.00	0.00
6,500.0	90.00	80.68	5,353.0	241.5	1,471.3	1,491.0	0.00	0.00	0.00
6,600.0	90.00	80.68	5,353.0	257.7	1,570.0	1,591.0	0.00	0.00	0.00
6,700.0	90.00	80.68	5,353.0	273.9	1,668.7	1,691.0	0.00	0.00	0.00
6,800.0	90.00	80.68	5,353.0	290.1	1,767.4	1,791.0	0.00	0.00	0.00
6,900.0	90.00	80.68	5,353.0	306.3	1,866.0	1,891.0	0.00	0.00	0.00
7,000.0	90.00	80.68	5,353.0	322.4	1,964.7	1,991.0	0.00	0.00	0.00
7,100.0	90.00	80.68	5,353.0	338.6	2,063.4	2,091.0	0.00	0.00	0.00
7,200.0	90.00	80.68	5,353.0	354.8	2,162.1	2,191.0	0.00	0.00	0.00
7,300.0	90.00	80.68	5,353.0	371.0	2,260.8	2,291.0	0.00	0.00	0.00
7,400.0	90.00	80.68	5,353.0	387.2	2,359.4	2,391.0	0.00	0.00	0.00
7,500.0	90.00	80.68	5,353.0	403.4	2,458.1	2,491.0	0.00	0.00	0.00
7,600.0	90.00	80.68	5,353.0	419.6	2,556.8	2,591.0	0.00	0.00	0.00
7,700.0	90.00	80.68	5,353.0	435.8	2,655.5	2,691.0	0.00	0.00	0.00
7,800.0	90.00	80.68	5,353.0	452.0	2,754.2	2,791.0	0.00	0.00	0.00
7,900.0	90.00	80.68	5,353.0	468.2	2,852.8	2,891.0	0.00	0.00	0.00
8,000.0	90.00	80.68	5,353.0	484.4	2,951.5	2,991.0	0.00	0.00	0.00
8,100.0	90.00	80.68	5,353.0	500.6	3,050.2	3,091.0	0.00	0.00	0.00
8,200.0	90.00	80.68	5,353.0	516.8	3,148.9	3,191.0	0.00	0.00	0.00
8,300.0	90.00	80.68	5,353.0	533.0	3,247.6	3,291.0	0.00	0.00	0.00
8,400.0	90.00	80.68	5,353.0	549.2	3,346.2	3,391.0	0.00	0.00	0.00
8,500.0	90.00	80.68	5,353.0	565.4	3,444.9	3,491.0	0.00	0.00	0.00
8,600.0	90.00	80.68	5,353.0	581.6	3,543.6	3,591.0	0.00	0.00	0.00
8,700.0	90.00	80.68	5,353.0	597.8	3,642.3	3,691.0	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Weaver Ridge 14-14H1
Company:	Robert L. Bayless Producer LLC	TVD Reference:	Est_KB @ 6668.0usft
Project:	Rio Blanco County, CO (NAD83)	MD Reference:	Est_KB @ 6668.0usft
Site:	Sec 14 T01S R104W	North Reference:	True
Well:	Weaver Ridge 14-14H1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

#### Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,800.0	90.00	80.68	5,353.0	614.0	3,740.9	3,791.0	0.00	0.00	0.00
8,820.6	90.00	80.68	5,353.0	617.3	3,761.3	3,811.6	0.00	0.00	0.00
TD Well @ 8820' MD - Weaver Ridge 14-14H1 PBHL									

#### Design Targets

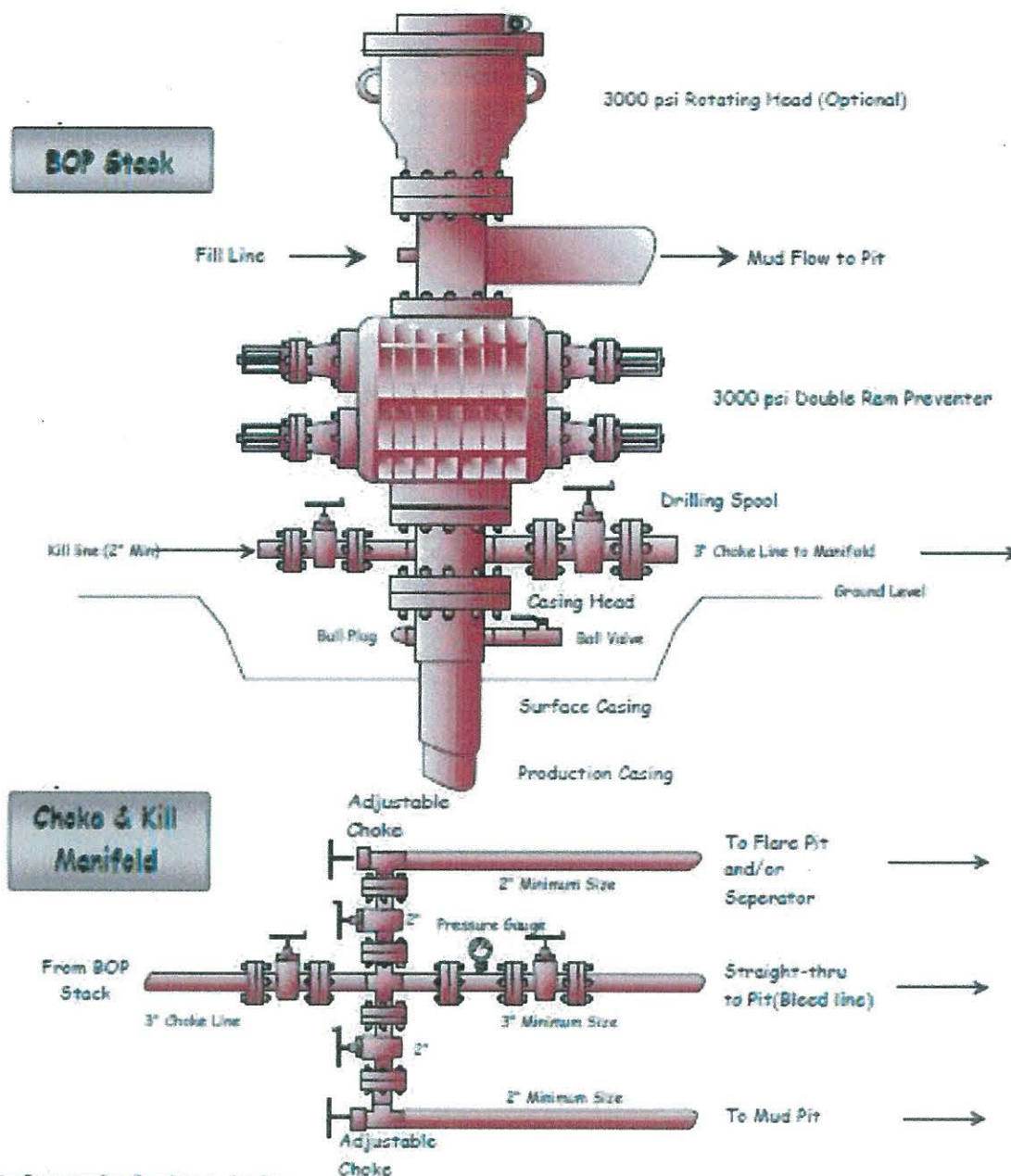
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Weaver Ridge 14-14H1 - plan hits target center - Point	0.00	0.00	5,353.0	617.3	3,761.3	1,247,697.84	2,012,593.61	39° 57' 34.052 N	109° 1' 24.064 W

#### Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,586.8	4,586.8	0.0	0.0	KOP 8°/100' @ 4586' MD
5,336.8	5,207.0	58.0	353.4	Hold 60° @ 5436' MD
5,436.8	5,257.0	72.0	438.8	Build 8°/100' @ 5436' MD
5,811.8	5,353.0	130.0	792.2	Land Curve 90° @ 5811' MD
8,820.6	5,353.0	617.3	3,761.3	TD Well @ 8820' MD

**Robert L. Bayless, Producer LLC**  
**BOP and Choke Manifold For 3000 psi Service**

Weaver Ridge 14-14H1



Working Pressures for all equipment. Annular Preventer and both rams are rated to 3000 psi or greater



Robert L. Bayless, Producer LLC  
**Weaver Ridge Wellpad**  
Sec. 14 T1S R104W (NE/4 SW/4)  
Rio Blanco County, Colorado  
Surface: Federal

**MULTI-WELLPAD  
SURFACE USE PLAN OF OPERATIONS**

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. This NOS process included an initial onsite meeting on November 19, 2013 with a subsequent onsite on August 18, 2014, prior to the submittal of the application, at which time the specific concerns of Robert L. Bayless, Producer LLC (Bayless) and the BLM were discussed. All specific concerns of the BLM representatives are addressed herein, as are specific stipulations from the BLM.

\* Specific stipulations arising from the onsite meeting are shown as starred.

WELL LOCATION AND INTRODUCTION:

Three (3) wells, Weaver Ridge 14-11H, 14-14H1 and 14-14H2, were initially staked on September 18, 2013, by Tri State Land Surveying & Consulting, surveyor, on a site that was geologically and topographically acceptable. After completing responses to two (2) sets of deficiency the BLM requested that all wells and associated pads and roads be moved. A multi-well pad was staked in Sec. 14 T1S R104W (NE/4 SW/4) in Rio Blanco County, Colorado on May 28, 2014, by Tri State Land Surveying & Consulting, surveyor, on a site that Bayless assumes is geologically and topographically acceptable to the BLM.

An NOS was submitted to BLM in Meeker on October 10, 2013 for the initial locations. An onsite meeting was held on November 19, 2013, with a subsequent onsite meeting on August 18, 2014. Present were: Jay Johnson, Ed Hollowed, James Roberts, Matt Dupire and Aaron Grimes - BLM; and John D. Thomas - Bayless. Requirements were discussed at the onsite meeting. There will be three (3) wells drilled from the Weaver Ridge Wellpad: Weaver Ridge 14-11H, Weaver Ridge 14-14H1, and Weaver Ridge 14-14H2. All associated facilities for all wells will also be contained on this multi-well pad.

DIRECTIONS TO LOCATION (See Topos A and B)

From the town of Rangely, Colorado, proceed in a westerly then northwesterly along State Highway 64 for  $\pm 0.5$  miles to the junction of this road and the river road to the south. Turn left and proceed in a southerly direction  $\pm 0.6$  miles to the junction of river road and County Road 2 to the west. Turn right and proceed in a westerly direction  $\pm 1.3$  miles to the junction of County Road 2 and an existing road to the southwest. Continue in a southwesterly then westerly then southerly direction  $\pm 6.8$  miles to the junction of this existing road and an existing road to the southeast. Turn left and proceed in a southeasterly then southerly direction  $\pm 3.6$  to the junction of this existing road and an existing road to the southwest. Turn right and proceed in a southwesterly then northwesterly direction  $\pm 1.0$  miles to the proposed access for the Weaver Ridge 14-11H, 14-14H1 and 14-14H2 to the west. Follow the proposed flags in a westerly direction approximately 817' (0.2 miles) to the proposed location.

SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

1) EXISTING ROADS (See Topos A and B)

- A) These wells are exploratory wells.
- B) Existing roads within 1.0 miles consists of a BLM existing dirt and gravel resource road which will provide access to the proposed location.
- C) Plans for improvement and/or maintenance of existing roads are to maintain in as good or better conditions than at present. Improvement and/or maintenance plans may include grading, watering for compaction/dust control, ditch maintenance, erosion control, slope stabilization, noxious weed treatment, and road closures during periods of excessive soil moisture. Weed control will be performed by a certified applicator and conform to the Pesticide Use Proposals (PUP) filed with the BLM.
- D) All existing county roads used for access to the referenced well will be coordinated with the Rio Blanco County Road Department. Non-county roads will be maintained to BLM Manual 9113 standards. Additionally, private and BLM surface roads that are part of the access to reach this location will be maintained to BLM Manual section 9113 standards. Maintenance will be done prior to the commencement of operations and will continue until final abandonment and reclamation of the wellpad location.
- E) BLM Best Management Practices (BMPs) as outlined in the "surface Operating Standards and Guidelines for Oil and Gas Exploration and Development" (the Gold Book) will be utilized for all construction and operational activity related to this facility.

2) PLANNED ACCESS ROADS (See Topos A and B)

±817'	(0.02 miles)	Sec. 14 T1S R104W	BLM
±817'	(0.02 miles)	<b>Total New Construction</b>	

- A) Running surface width to be approximately 18', total disturbed width to be no more than 40'. Plans for improvement and/or maintenance of new roads may include grading, watering for compaction/dust control, ditch maintenance, erosion control, slope stabilization, noxious weed treatment, and road closures during periods of excessive soil moisture. Weed control will be performed by a certified applicator and conform to the PUP filed with the BLM. Road will be crowned with a 2% cross slope.
- B) Borrow ditches to be back-sloped 3:1 or shallower. Weather permitting, the access road will be mowed and the borrow ditch material will be pulled over the top of the mowed area.
- C) Maximum grades will not exceed BLM Gold Book standards.
- D) Culverts were not requested at the onsite and are not anticipated. If necessary, culverts will be installed prior to commencement of drilling operations. Riprap will be placed at the inlet and outlet of any installed culverts. Drainage may consist of wing ditches between the existing road and the wellsite if necessary, and will be installed prior to commencing drilling operations. The borrow ditches along the proposed access road will be re-seeded if the well is completed as a producer. The reseeded of the borrow ditches will reduce the area utilized by this location.
- E) Surfacing material, if necessary, will consist of native material from borrow ditches. The topsoil will be cleared by fanning back during the construction and crowning of the road. Upon commencement of road construction, the topsoil will be replaced in the borrow ditches.
- \* F) The proposed access road off of BLM 1220B will be gated and locked to prevent unintended vehicle use along the access road to the wellpad. BLM will provide Bayless with appropriate wording for the signs to post on the gate. The BLM will put an interlocking lock on the gate



SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

to provide access to BLM personnel. The combination locks of any gates on the access route will be provided to BLM. No fence cuts or cattle guards will be necessary.

- G) No major road cuts are necessary.
- H) Road construction on public lands shall meet the minimum standards listed in BLM Manual Section 9113 and shall be constructed under the direction of a qualified construction supervisor(s). The qualified construction supervisor shall be an engineer, company superintendent or other representative who is competent and knowledgeable in oilfield road and drillsite construction, and able to speak for the operator. The dirt contractor, or drilling/completion foremen, whose primary expertise is not in construction, do not qualify as construction supervisors.
- I) No onsite and offsite erosion controls were identified for this site during the BLM onsite inspection. If identified during/after construction of the wellpad and access road, erosion control methods such as wattles, straw bales and ditches will be used and placed to control drainage where needed. Bayless will notify the BLM White River Field Office (WRFO) by Sundry Notice (SN) including a revised diagram showing the erosion control placements.
- J) Dust control measures will be implemented during dry weather when necessary.
- K) Road will be surfaced to provide "all-weather" access using 6" compacted road base aggregate for road surfacing in Rio Blanco County.

General Road Construction and Maintenance

- The access road will be designed, constructed and maintained to BLM Manual 9113 standards for "local road" classification.
- Available topsoil will be removed from the disturbed area and stored in low profile stockpiles at the ROW limits. Following construction of the main wellpad and access road, the topsoil will be respread on the disturbed area (ditch and road slopes) and reseeded with an approved BLM seed mix #3.
- Bayless will assume the responsibility of maintenance of the access road. The use of the access road shall be limited to BLM personnel, Bayless and its authorized representatives, contractors, and subcontractors and shall be limited to business purposes. Bayless shall be responsible for all persons authorized by Bayless to use such roads and shall be responsible for any damage, the proximate cause of which is occasioned by such use, whether damage occurs through use by Bayless, its personnel, agents, contractors, or subcontractors.
- Road maintenance will be performed as defined under BLM Manual 9113. During active operations, roads will be inspected, at minimum, each 30 days and measures taken to address any noted issues. Frequency of inspection will be increased following major precipitation/runoff events or during periods of high traffic activity. Maintenance may include but not be limited to:
  - Grading and shaping of roadway surface to maintain a distinct crown to move water rapidly off the road surface. Replace aggregate surfacing as necessary.
  - Cleaning/reshaping ditches when necessary to maintain adequate flow capacity.
  - Repair of slope protection, energy dissipation or other storm water control by BMPs.
  - Trimming roadside vegetation for sight distance and traffic safety.
  - Repair/replacement of damaged road safety and regulatory signs.
  - Watering for compaction/dust control, ditch maintenance and ROW treatment for noxious weeds.
- Noxious weed control will be performed by certified subcontractor. The pesticides use will conform to applicable PUP filed with the BLM for Piceance Field Area.

SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

3) LOCATION OF EXISTING WELLS

Oil and Gas Wells: See Wells within a 1-Mile Radius Topo Map.  
Water Wells : None.

LOCATION OF EXISTING PRODUCING FACILITIES OPERATED BY BAYLESS:

There are currently no production facilities on this location. Once it is determined if the well will be completed as a producer, production facilities will be engineered and implemented at that time. Operations will follow 43 CFR 3160 and a Sundry Notice on Form 3160-5 will be submitted with construction facilities prior to commencing any construction activities.

4) NEW PRODUCTION FACILITIES PROPOSED

- A) BLM will be contacted prior to construction of production facilities. A Sundry Notice (SN) will be filed if requested by BLM.
- B) Dimension of the Proposed Facility of the pad is 440' x 300' = 132,000 ft<sup>2</sup>, for drilling operations. Total disturbance will be ±5.29 acres.
- C) The facilities will be constructed on the wellsite.
- D) Traveled portion of wellpad will be gravel surfaced. If necessary, additional surfacing material will be obtained from commercial sources or an approved borrow area. Construction and maintenance will not be performed when the ground or topsoil is frozen or too wet to adequately support construction equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet.
- \* E) Production equipment will be painted light reflective colors to limit evaporation and waste of liquid hydrocarbons. All above ground permanent structures will be painted to blend with the surrounding landscape. The color specified at the BLM onsite was Juniper Green.
- F) Production facilities may vary according to actual reservoir discovered and will be engineered upon completion of well tests. Production facilities will be clustered and placed away from cut/fill slopes to allow the maximum recontouring of cut/fill slopes. To reduce the view of production facilities from visibility corridors and private residences, facilities will not be placed in visually exposed locations (such as ridgelines and hilltops). The tallest structure will be no greater than 20' in height.
- G) A dike will be constructed around the production facilities. The dike materials will be constructed of suitable materials and impermeable to the fluid contained. The dikes will have sufficient volume to contain a minimum of the total volume of the largest tank containing liquid hydrocarbons within the facility/battery and sufficient freeboard to contain precipitation, unless more stringent protective requirements are deemed necessary by the Authorized Officer.
- H) If the well is a producer all production facilities will be authorized by a SN.

5) LOCATION OF WATER SUPPLY

- A) Water will be transported by truck from the Rangely City water supply (750 County Road 102, Rangely, CO 81648 – 970-675-2244) which is approximately 25 miles northeast of the proposed location. Humboldt Incorporated and RN Industries will haul water for Bayless over the existing access roads in the area shown in Exhibit B. If a closer water source is identified and deemed usable, Bayless will notify the Authorized Officer (AO) with the necessary information.
- B) Anticipated water use: Attached Exhibit 9 shows the anticipated water sources and volumes.
- C) No water supply pipelines will be laid for this well.



SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

- D) Water for construction, drilling, dust suppression and completion operations will be utilized from the Rangely City water supply under existing permits.

6) SOURCE OF CONSTRUCTION MATERIALS

- A) Construction materials will consist of native materials from borrow ditches and location areas.
- B) Surfacing materials will be obtained from available permitted sources, if needed, and consist of pit gravel. Bayless will use one of the following:  
Urie's Rock Companies – 2424 E. Main Street, Rangely, CO  
Maybell Enterprises – 20310 County Road 57, Maybell, CO

7) WASTE DISPOSAL

- A) A closed loop system will be used for the drilling of this well, no reserve pit required.
- B) Bayless primary method is to utilize a closed loop drilling system to contain drilling fluids.
- C) The closed loop drilling system will include a cuttings catch pit, dewatering system, centrifuge system and additional fluid storage. The steel cuttings pit will be approximately 11'x50'x10'. The steel cuttings pit and closed loop system will contain the drilling fluids including salts and chemicals. Cuttings will be treated in the drying cutting area to meet the requirements of the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 before being buried onsite with a minimum of three feet (3') of fill to as per COGGG guidelines. Upon termination of drilling and completion operations, the mud will be transferred to another drilling location for recycling/reuse as per COGCC Rule 903. If the mud is not needed elsewhere, all drilling fluids will be treated or disposed as COGCC Rule 325 guidelines.
- D) Mud cuttings will meet the COGCC Table 910-1 requirements before being buried onsite.
- E) During the testing of the well, produced fluids will be flowed back to a frac tank. Any condensate will be skimmed and transferred to production tanks. After the testing of the well is complete, any additional produced water be flowed back to tanks until they are disposed of by trucking off location and hauled and disposed of at an approved disposal site or will be mechanically evaporated. Currently approved disposal sites for Bayless are:  
On-site Disposal / Peacocks – 1818 North River Road, Rangely CO 81648  
RN Industries Disposal – Blue Mountain CR 1, Rangely, CO 81648
- F) Sewage disposal facilities will be in accordance with State and Local Regulations. Sewage will normally be stored, on-site, in above ground septic tanks. Contents are periodically hauled to municipal water treatment plants at Meeker and Craig, Colorado for disposal. Bayless will not plan for this waste disposal from this location until the APD is approved. Bayless has previously used Redi Services of Meeker Colorado for septic removal and may do so again on approval of the APD. Septic from local contractors is typically transported by vacuum truck to Meeker Sanitation District at 1150 Market Street for treatment by their facility.
- G) Trash will be picked up if scattered and contained in trash cage as soon as practical after
- H) Garbage and other waste - burnable waste will be contained in a portable trash cage which will be totally enclosed with small mesh wire. The cage and contents will be transported by a third party contract trucking and dumped at a disposal facility or the Rio Blanco County landfill as necessary or upon completion of operations.
- I) Trash will be picked up if scattered and contained in trash cage as soon as practical after rig is moved off.



SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

- J) Upon release of the drilling rig, rathole and mousehole will be filled. Debris and equipment not required for production will be removed.
- 8) ANCILLARY FACILITIES  
No ancillary facilities will be necessary.
- 9) WELLSITE LAYOUT  
See the attached exhibits:  
Location Layout  
Plant Proximity  
Rig Layout  
Cross Sections  
Production Schematic and Interim Reclamation Plan
- A) Roads and well production equipment, such as tanks, treaters, separators, vents, electrical boxes, and equipment associated with pipeline operation, will be placed on location so as to permit maximum interim reclamation of disturbed areas. If equipment is found to interfere with the proper interim reclamation of disturbed areas, the equipment may be moved so proper recontouring and revegetation can occur.
- \* B) Six inches (6") of topsoil will be removed prior to location construction and from any other anticipated disturbed areas. Topsoil will be stockpiled adjacent to the wellsite within the maximum disturbed area.
- C) Topsoil and spoils pile will be clearly separated.
- D) Erosion control measures will be applied pursuant to Bayless's General Permit to Discharge Stormwater under the Colorado Pollutant Discharge Elimination System and accompanying Stormwater Management Plan.
- 10) PIPELINES AND FLOWLINES  
There is an existing pipeline located east of the location. Approximately ±849 of new flowline will be necessary to tie-in into the existing gas pipeline. No Right-of-Way (ROW) application for the flowline route will be necessary. All flowlines will be constructed on lease. No additional pipelines will be constructed. Please see attached Pipeline Specifications. The Pipeline Disturbance Width is 50'.
- 11) SURFACE RESTORATION (General)
- A) Salvaging and spreading topsoil will not be performed when the ground or topsoil is frozen or too wet to adequately support construction equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet.
- B) Earthwork for interim and final reclamation must be completed within six (6) months of well completion or plugging (weather permitting).
- C) In areas that will not be drill-seeded, the seed mix will be broadcast-seeded at twice the application rate shown and covered 0.25 to 0.5 inches deep with a harrow or drag bar or will be broadcast-seeded into imprints, such as fresh dozer cleat marks.
- \* D) No seeding will occur from winter freezing of the soil until March 31. Fall seeding is preferred and will be conducted from September 1 to March 31 and prior to ground freezing.
- E) Annual or noxious weeds shall be controlled on all disturbed areas as directed by the Field Office Manager. An intensive weed monitoring and control program will be implemented beginning the first growing season after interim and final reclamation. Noxious weeds that

SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

have been identified during monitoring will be promptly treated and controlled. A PUP will be submitted to the BLM for approval prior to the use of herbicides. All reclamation equipment will be cleaned prior to use to reduce the potential for introduction of noxious weeds or other undesirable non-native species. The operator will coordinate all weed and insect control measures with state and/or local management agencies.

- F) Reclaimed areas will be monitored annually. Actions will be taken to ensure that reclamation standards are met as quickly as reasonably practical.
- G) Reclamation monitoring will be documented in a reclamation report and submitted to the AO. The report will document compliance with all aspects of the reclamation objectives and standards, identify whether the reclamation objectives and standards are likely to be achieved in the near future without additional actions, and identify actions that have been or will be taken to meet the objectives and standards. The report will also include acreage figures for: Initial Disturbed Acres; Successful Interim Reclaimed Acres; Successful Final Reclaimed Acres. Reports will not be submitted for sites approved by the AO in writing as having met interim or final reclamation standards. Any time 30% or more of a reclaimed area is re-disturbed, monitoring will be reinitiated.
- H) The AO will be informed when reclamation has been completed, is successful, and the site is ready for final inspection.

INTERIM RESTORATION (Production)

- A) Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the cuttings pit area, back sloping and contouring all cut/fill slopes. These areas will be re-seeded.
- B) Wellpad size will be reduced to minimum size necessary to conduct safe operations. Cuts/fills will be reduced to 3:1 or shallower.
- C) Cuttings pits will be closed and backfilled as soon as the pit contents are dry enough to do so, or no later than the end of the next full summer following rig release, whichever comes first, to allow sufficient time for the pit contents to dry. Cuttings pits remaining open after this period will require written authorization of the AO.
- D) Following completion activities, pit liners, if used, will be removed the contents will be tested to COGCC's 910-1 Table. The pits will be backfilled with a minimum of three (3) feet of soil material. In relatively flat areas, the pit area will be slightly mounded to allow for settling and to promote surface drainage away from the backfilled pit.
- E) The portions of the cleared well site not needed for operational and safety purposes will be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Sufficient level area will remain for setup of a workover rig and to park equipment. In some cases, rig anchors may need to be pulled and reset after recontouring to allow for maximum interim reclamation.
- F) Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including road cuts/fills and to within a few feet of the production facilities, unless an all-weather, surfaced, access route or small "teardrop" turnaround is needed on the well pad.
- G) Initial seedbed preparation will consist of backfilling, leveling, and ripping all compacted areas. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding. Seeding will be conducted no more than 24 hours following completion of final seedbed preparation. An approved BLM certified weed-free seed mix will be used to meet reclamation standards. The seed mix will be used on all disturbed surfaces including pipelines and road cut/fill slopes.



SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

- H) To help mitigate the contrast of recontoured slopes, reclamation will include measures to feather cleared lines of vegetation and to save and redistribute cleared trees, debris, and rock over recontoured cut/fill slopes.
- I) A proposed seed mixture for this location is BLM #3 seed mix.
- J) Reclamation will be considered successful if the following criteria are met:
  - 75 percent of predisturbance cover within five (5) years of initial reclamation.
  - 80 percent dominate species with no noxious weeds\*
  - Erosion features equal to or less than surrounding area

\* The vegetation will consist of species included in the seed mix and/or occurring in the surrounding natural vegetation.

FINAL RESTORATION (P & A – Removal of equipment)

- A) Flowlines on location will be removed before site reclamation and all flowlines between the wellsite and production facilities will remain in place and will be filled with water.
- B) If necessary to ensure timely revegetation, the pad will be fenced to BLM standards to exclude livestock grazing for the first two growing seasons or until seeded species become firmly established, whichever comes later. Fencing will meet standards found on page 18 of the Gold Book, 4<sup>th</sup> Edition, or will be fenced with operational electric fencing.
- C) Revegetation will be accomplished by planting mixed grasses as specified below. Revegetation is recommended for road area as well as around production site.
- D) A proposed seed mixture for this location is BLM #3 seed mix.
- E) Initial seedbed preparation will consist of backfilling, leveling, and ripping all compacted areas. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding. Seeding will be conducted no more than 24 hours following completion of final seedbed preparation. A certified weed-free seed mix designed by BLM (shown above) to meet reclamation standards will be used. The seed mix will be used on all disturbed surfaces including pipelines and road cut/fill slopes.
- F) Distribute topsoil, if any remains, evenly over the location, and seed according to the above seed mixture. If needed the access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- G) All disturbed areas, including roads, pipelines, pads, production facilities, and interim reclaimed areas will be recontoured to the contour existing prior to initial construction or a contour that blends indistinguishably with the surrounding landscape. Re-salvaged topsoil will be spread evenly over the entire disturbed site to ensure successful revegetation. To help mitigate the contrast of recontoured slopes, reclamation will include measures to feather cleared lines of vegetation and to save and redistribute cleared trees, woody debris, and large rocks over recontoured cut/fill slopes.

12) GENERAL INFORMATION

- A) Project area is situated in the uplands of the Piceance Basin.
- B) Topographic and geologic features - moderate relief area, moderately drained, rocky-clay deposition, surrounded by steep uplands with highly eroded drainages.
- C) Soil characteristics – rocky clay.
- D) Flora consists of: Juniper, Pinon pine, Matchbrush, Mountain mahogany, Phlox, Rubber rabbitbrush, Shadscale saltbrush, Penstemon, Mormon tea, Snowberry, Basin wildrye, Cheatgrass, and Indian ricegrass.



SURFACE USE PLAN OF OPERATIONS  
**Weaver Ridge Wellpad**  
Federal Mineral Leases: COC58704, COC58705, UTU89240

- E) Fauna – observed: none; anticipated: mule deer, antelope, elk, coyotes, rabbits, raptors, and rodents.
- F) Concurrent surface use - grazing and hunting.
- G) Bayless will notify the surface grazing lessee a minimum of 72 hours prior to construction activities.
- H) Mineral Lessor:  
Bureau of Land Management  
White River Field Office  
220 East Market Street  
Meeker, CO 81641 Phone: 970-878-3800  
  
Bureau of Land Management  
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078 Phone: 435-781-4400
- I) Surface Owner  
Drillsite/Access :  
Bureau of Land Management  
White River Field Office  
220 East Market Street  
Meeker, CO 81641 Phone: 970-878-3800
- J) Proximity of water, occupied dwellings or other features: un-named intermittent drainage  $\pm 309'$  to the northeast.
- K) The archaeological field work has been completed by the Grand River Institute and the information was contained in a Class III Cultural Resources Inventory for the proposed wellpad, and access road. The report has been submitted under separate cover to BLM.
- L) If any fossils are discovered during construction, the operator shall cease construction immediately and notify the AO so as to determine the significance of the discovery.
- M) A Class III (100% pedestrian) cultural resource inventory shall be completed prior to disturbance by a qualified professional archaeologist in the following areas: Well location. A report of the inventory will be submitted and approved by the BLM with stipulations as appropriate in order to comply with EO 11593 and Section 106 of the National Historic Preservation Act of 1966. See Section "General Information – K" above.
- N) The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the AO. The AO will inform the operator as to the work needed to determine the following:  
- Whether the materials appear eligible for the National Register of Historic Places;  
- The mitigation measures the operator will likely have to undertake before the site can be used (assuming in site preservation is not necessary); and,  
- A timeframe for the AO to complete an expedited review to acquire the State Historic Preservation Officer's concurrence that the findings of the AO are correct and that mitigation is appropriate.
- O) Bayless maintains a file, per 29 CFR 1910.1200(g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project.

## SURFACE USE PLAN OF OPERATIONS

### **Weaver Ridge Wellpad**

Federal Mineral Leases: COC58704, COC58705, UTU89240

Hazardous materials (substances) which may be transported across these lands may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous substances, EHS, and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

Robert L. Bayless, Producer LLC  
**Weaver Ridge Wellpad**  
Sec. 14 T1S R104W (NE/4 SW/4)  
Rio Blanco County, Colorado  
Surface: Federal

APPLICATION FOR PERMIT TO DRILL  
OPERATOR CERTIFICATION

LESSEE'S OR OPERATOR'S REPRESENTATIVE:

<u>Operator</u>	<u>Permit Agent</u>
Robert L. Bayless, Producer LLC 2700 Farmington Ave., Bldg. F Ste. 1 P.O. Box 168 Farmington, NM 87401 Phone: 505-326-2659  * John D. Thomas – Operations Engineer	Upstream Petroleum Management, Inc. 7000 S. Yosemite St, Suite 290B Englewood, Colorado 80112 Phone: 303-942-0506  + Kim Rodell – President <i>krodell@upstreampm.com</i> + Angela Callaway – Regulatory Technician <i>acallaway@upstreampm.com</i>

\* Contact to arrange onsite meeting.

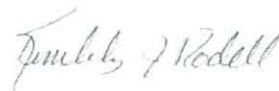
+ For any questions or comments regarding this permit.

OPERATOR CERTIFICATION:

I hereby certify that Robert L. Bayless, Producer LLC and its contractors and sub-contractors are responsible for the operations conducted under this application subject to the terms and conditions of the mineral lease. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Robert L. Bayless, Producer LLC under their nationwide bond, BLM Bond No. CO0833.

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

December 7, 2014



Kimberly J. Rodell  
Permit Agent for: Robert L. Bayless, Producer LLC

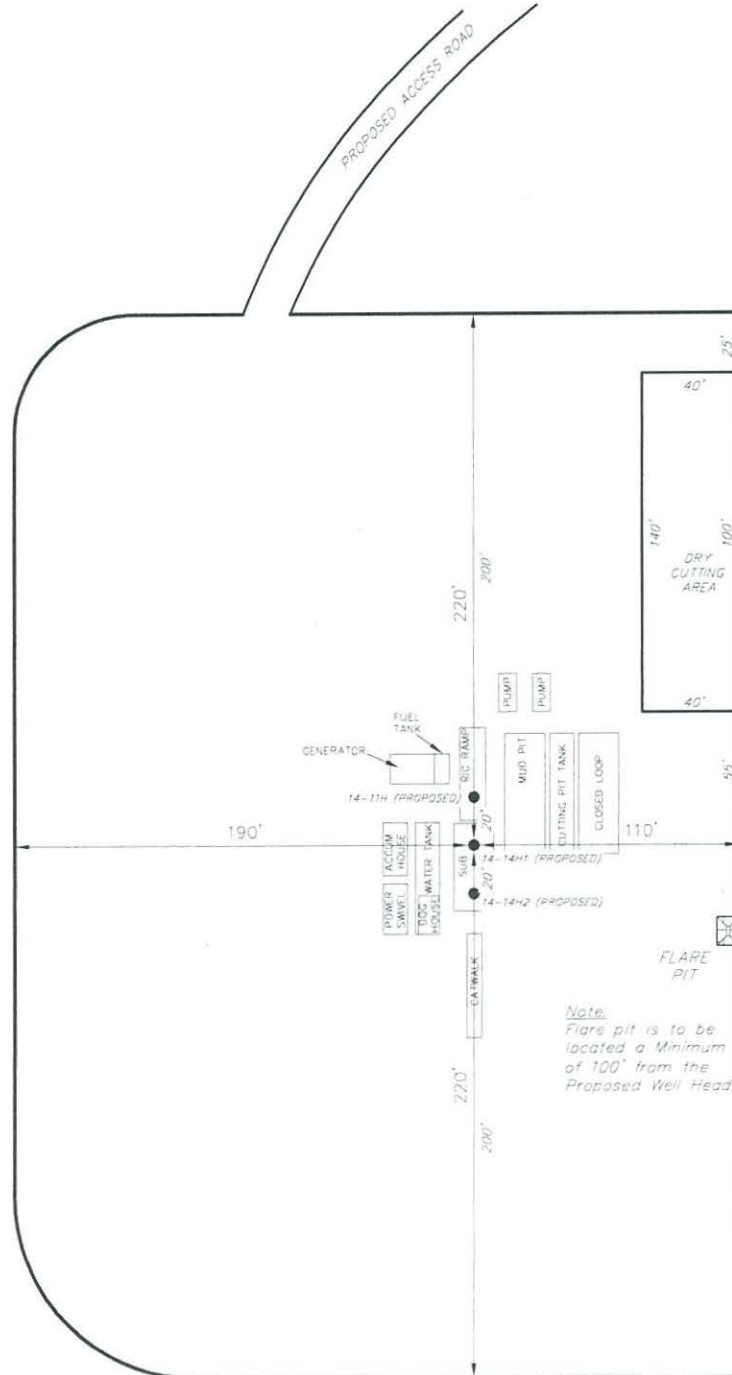


# ROBERT L. BAYLESS, PRODUCER LLC

TYPICAL RIG LAYOUT - CLOSED LOOP

WEAVER RIDGE 14-11H, 14-14H1 & 14-14H

Pad Location: NESW Section 14, T1S, R104W, 6th P.M.



SURVEYED BY:	Q.W.	DATE SURVEYED	05-28-14
DRAWN BY:	L.C.S.	DATE DRAWN	05-28-14
SCALE:	1" = 50'	REVISED:	

Tri State  
Land Surveying, Inc.

180 NORTH VERNAL AVE VERNAL, UTAH 84078

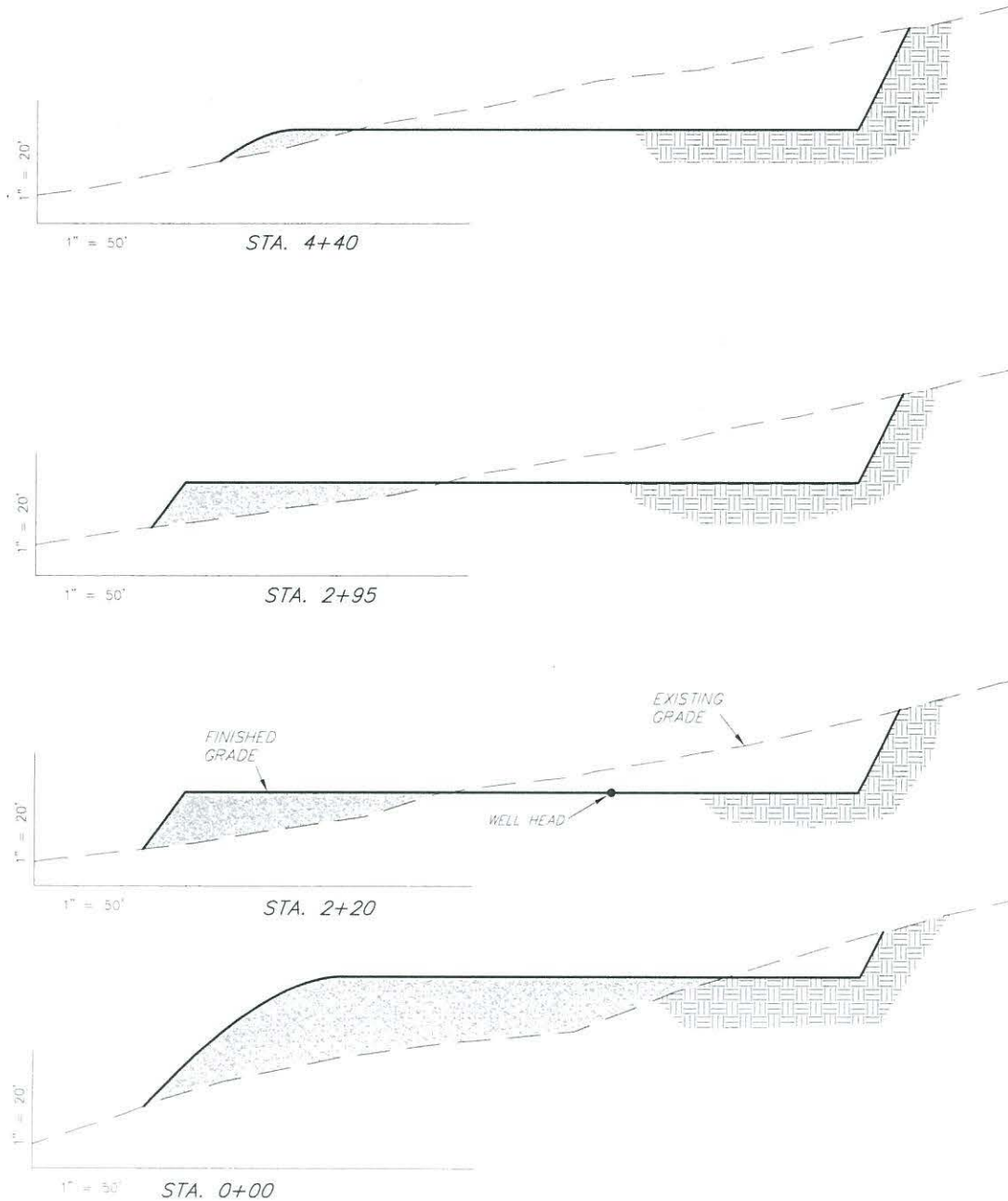
(435) 781-2501

# ROBERT L. BAYLESS, PRODUCER LLC

## CROSS SECTIONS

WEAVER RIDGE 14-11H, 14-14H1 & 14-14H

Pad Location: NESW Section 14, T1S, R104W, 6th P.M.



NOTE:  
UNLESS OTHERWISE  
NOTED ALL  
FILL SLOPES ARE AT 1.5:1  
CUT SLOPES ARE AT 1:1



### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	23,040	23,040	Topsoil is not included in Pad Cut Volume	0
PIT	N/A	0		N/A
TOTALS	23,040	23,040	2,940	0

SURVEYED BY: Q.M. DATE SURVEYED: 05-28-14  
DRAWN BY: L.C.S. DATE DRAWN: 05-28-14  
SCALE: 1" = 50' REVISED:

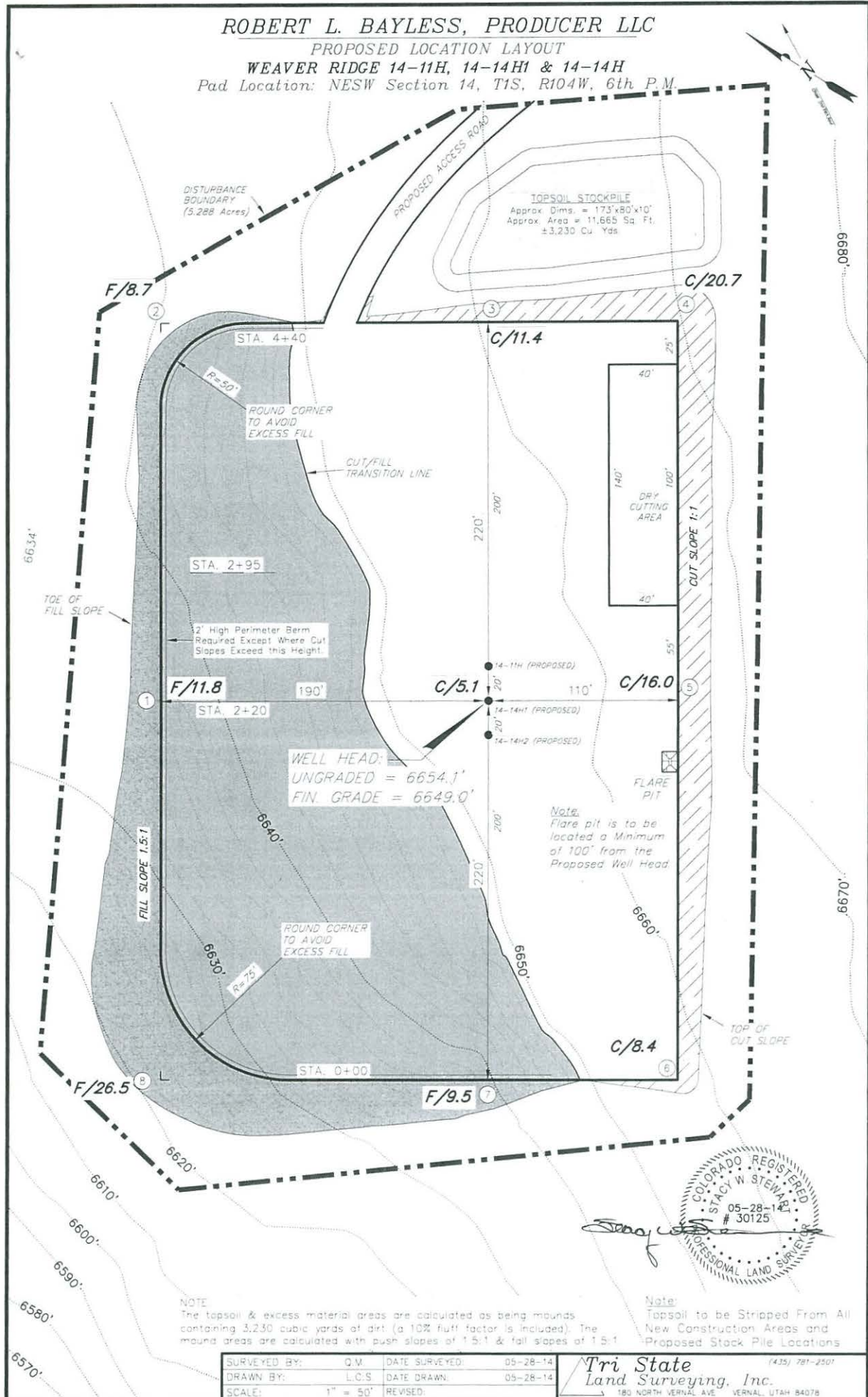
Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE VERNAL, UTAH 84078  
(435) 781-2501

# ROBERT L. BAYLESS, PRODUCER LLC

## PROPOSED LOCATION LAYOUT

WEAVER RIDGE 14-11H, 14-14H1 & 14-14H

Pad Location: NESW Section 14, T1S, R104W, 6th P.M.

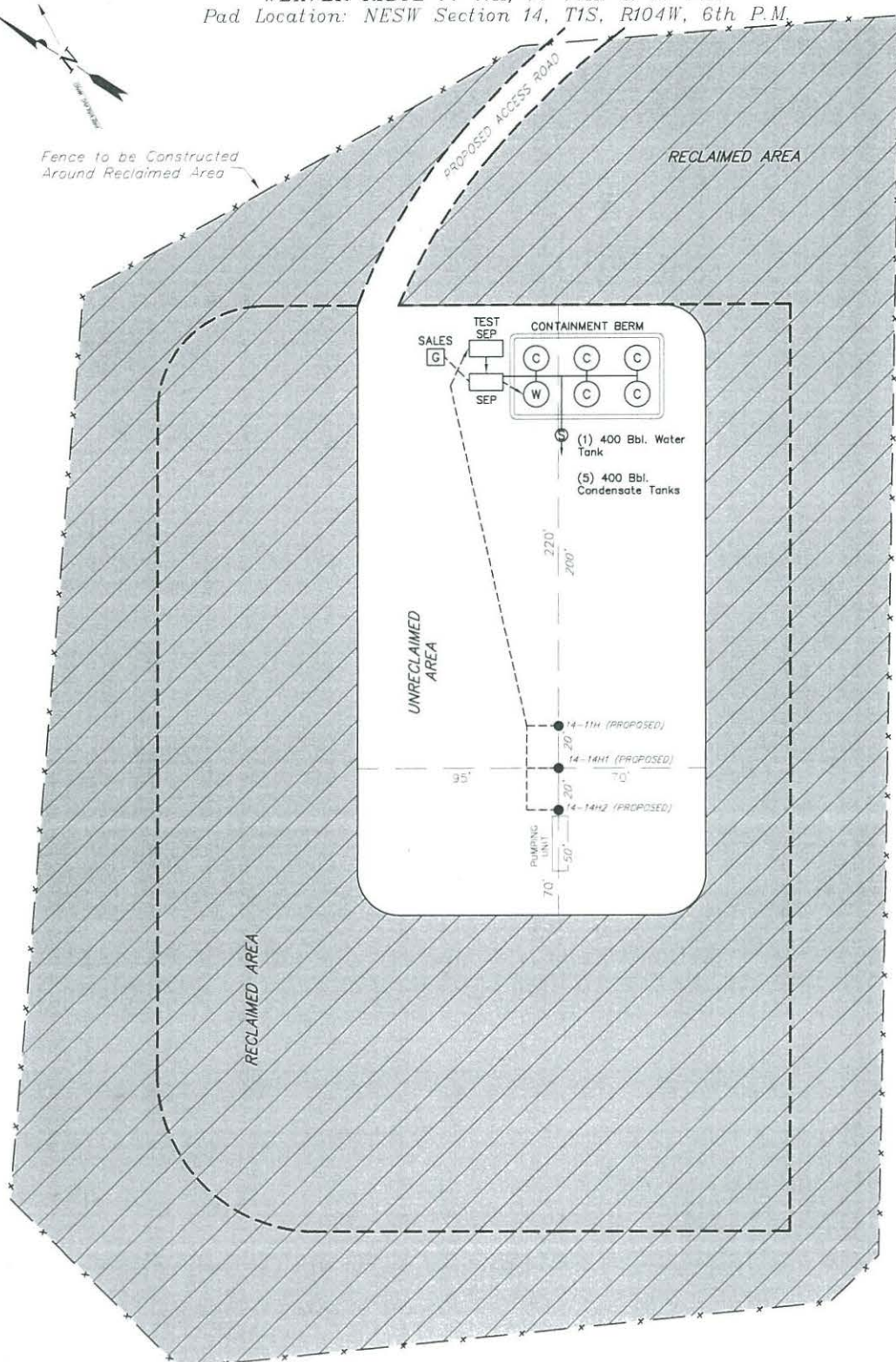


SURVEYED BY:	Q.M.	DATE SURVEYED:	05-28-14
DRAWN BY:	L.C.S.	DATE DRAWN:	05-28-14
SCALE:	1" = 50'	REVISED:	

**Tri State Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501



**ROBERT L. BAYLESS, PRODUCER LLC**  
**PROPOSED PRODUCTION SCHEMATIC AND INTERIM RECLAMATION PLAN**  
**WEAVER RIDGE 14-11H, 14-14H1 & 14-14H**  
 Pad Location: NESW Section 14, T1S, R104W, 6th P.M.



Notes:  
 1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.  
 2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

**DISTURBED AREA:**  
 TOTAL DISTURBED AREA = 5.29 ACRES  
 TOTAL RECLAIMED AREA = 4.13 ACRES  
 UNRECLAIMED AREA = 1.16 ACRES

SURVEYED BY:	C.D.S.	DATE SURVEYED:	10-03-11
DRAWN BY:	F.T.M.	DATE DRAWN:	10-06-11
SCALE:	1" = 50'	REVISED:	09-09-14 D.C.O.

*Tri State*  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

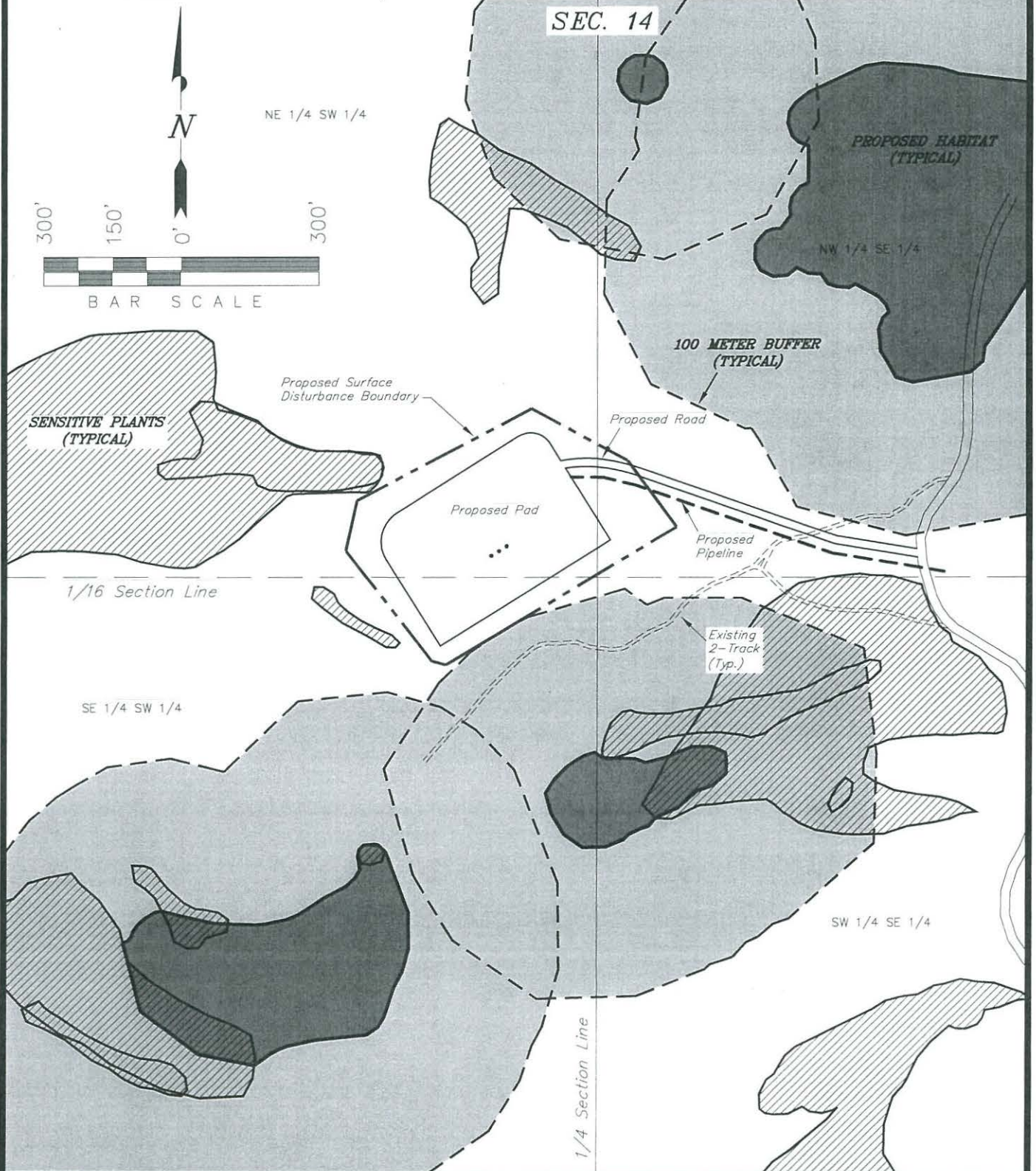


# ROBERT L. BAYLESS, PRODUCER LLC

## PLANT PROXIMITY

WEAVER RIDGE 14-11H, 14-14H1 & 14-14H2

Pad Location: S 1/2 SECTION 14, T1S, R104W, 6th P.M.



SURVEYED BY:	Q.M.	DATE SURVEYED:	05-28-14
DRAWN BY:	D.COX	DATE DRAWN:	05-28-14
SCALE:	1" = 300'	REVISED:	L.C.S. 06-27-14

**Tri State**  
Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**ROBERT L. BAYLESS, PRODUCER LLC**

**WEAVER RIDGE 14-14H1**

**SHL:** 1,382' FSL & 2,429' FWL (NESW) Section 14, T1S R104W

**BHL:** 2000' FSL & 900' FWL (NWSW) Section 13, T1S R104W

Rio Blanco County, Colorado

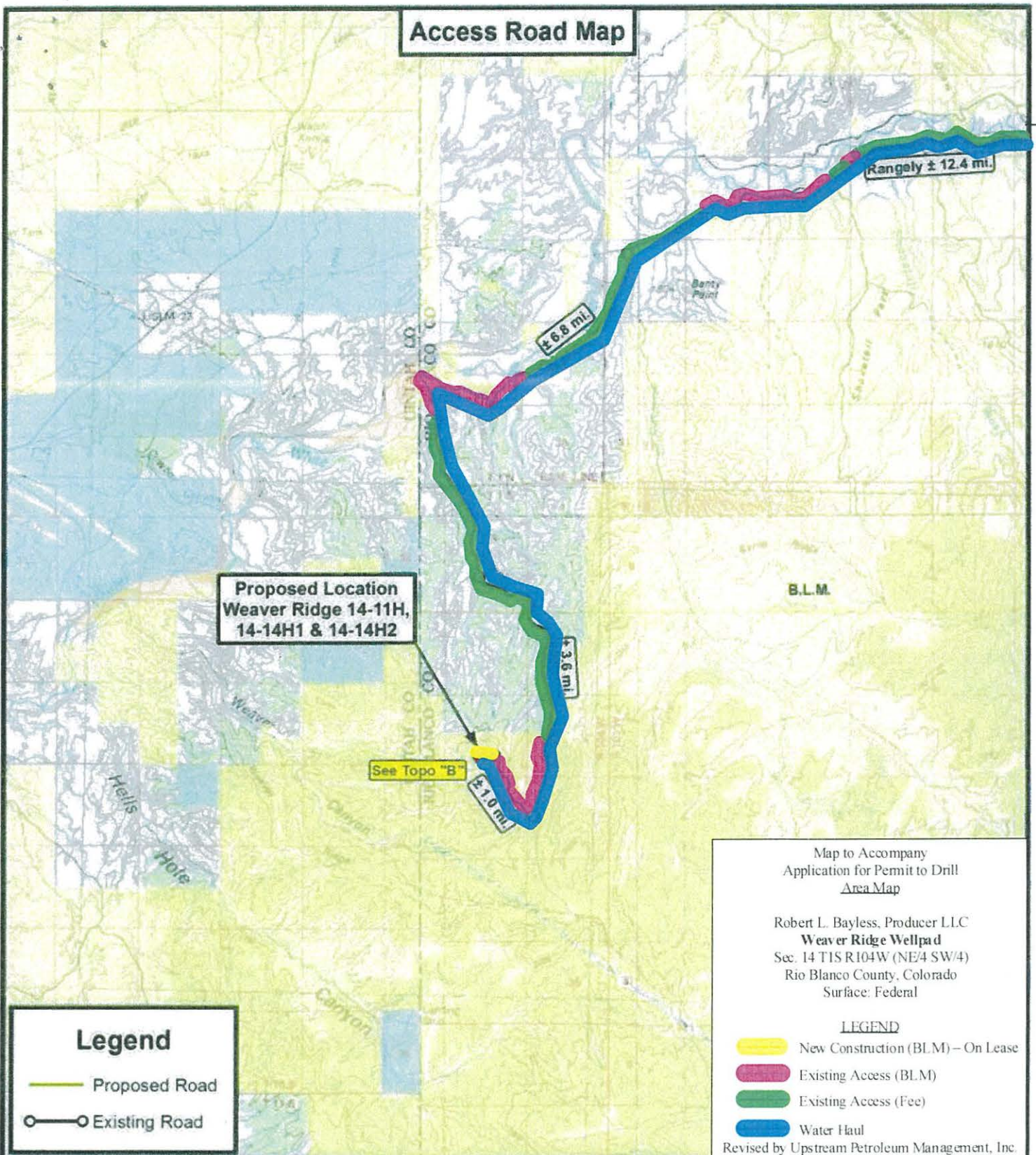
**SURFACE USE PLAN - EXHIBIT 9**

**Water Source & Delivery Information (Per BLM Onshore Order # 1)**

Water Use Operation	Volume per Well (Bbl-Est)	Volume per WellPad (Bbl-Est)	Water Type	Water Delivery Method	Water Source	Comments
construction	N/A	5000	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Dust Abatement	N/A	2000	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Drilling (Conductor & Surface)	1000	N/A	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Drilling (Intermd & Production)	4000	N/A	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Completion	20000	N/A	Fresh/Produced	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B



# Access Road Map



**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

**ROBERT L. BAYLESS PRODUCER LLC**

Weaver Ridge 14-11H, 14-14H1 & 14-14H2  
Sec. 14, T1S, R104W, 6th P.M.  
Rio Blanco County, CO.

DRAWN BY: J.A.S. REVISED: 06-27-2014 J.A.S.  
DATE: 05-20-2014  
SCALE: 1:100,000



**TOPOGRAPHIC MAP**

SHEET  
**A**



# Access Road Map

1-Mile Radius

Federal Mineral  
Lease: UTU89240

Federal Mineral  
Lease: COC58704

Proposed Location  
Weaver Ridge 14-11H,  
14-14H1 & 14-14H2

Weaver Ridge  
14-11H

Weaver Ridge  
14-14H2

Weaver Ridge  
14-14H1

14-14H1 BHL

14-11H BHL

14-14H2 BHL

Federal Mineral  
Lease: COC58705

B.L.M.

## Legend

- Proposed Road
- Existing Road

Map to Accompany  
Application for Permit to Drill  
Access Road

Robert L. Bayless, Producer LLC  
Weaver Ridge Wellpad  
Sec. 14 T1S R104W (NE/4 SW/4)  
Rio Blanco County, Colorado  
Surface: Federal

## LEGEND

- New Construction (BLM) – On Lease
- Existing Access (BLM)
- Existing Access (Fee)

Revised by Upstream Petroleum Management, Inc.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



**ROBERT L. BAYLESS PRODUCER LLC**

Weaver Ridge 14-11H, 14-14H1 & 14-14H2  
Sec. 14, T1S, R104W, 6th P.M.  
Rio Blanco County, CO.

DRAWN BY:	J.A.S.	REVISED:	06-27-2014 J.A.S.
DATE:	05-20-2014		
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**



# Proposed Pipeline Map

Proposed Location  
Weaver Ridge 14-11H,  
14-14H1 & 14-14H2

± 849'

Tie in at Existing  
Pipeline

BLM

## Legend

- Existing Road
- Proposed Pipeline

Map to Accompany  
Application for Permit to Drill  
Pipeline Map

Robert L. Bayless, Producer LLC  
Weaver Ridge Wellpad  
Sec. 14 T1S R104W (NE/4 SW/4)  
Rio Blanco County, Colorado  
Surface: Federal

## LEGEND

New Construction (BLM) – On Lease  
Revised by Upstream Petroleum Management, Inc.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## ROBERT L. BAYLESS PRODUCER LLC

Weaver Ridge 14-11H, 14-14H1 & 14-14H2  
Sec. 14, T1S, R104W, 6th P.M.  
Rio Blanco County, CO.

DRAWN BY:	J.A.S.	REVISED:	06-27-2014 J.A.S.
DATE:	05-20-2014		
SCALE:	1" = 2,000'		

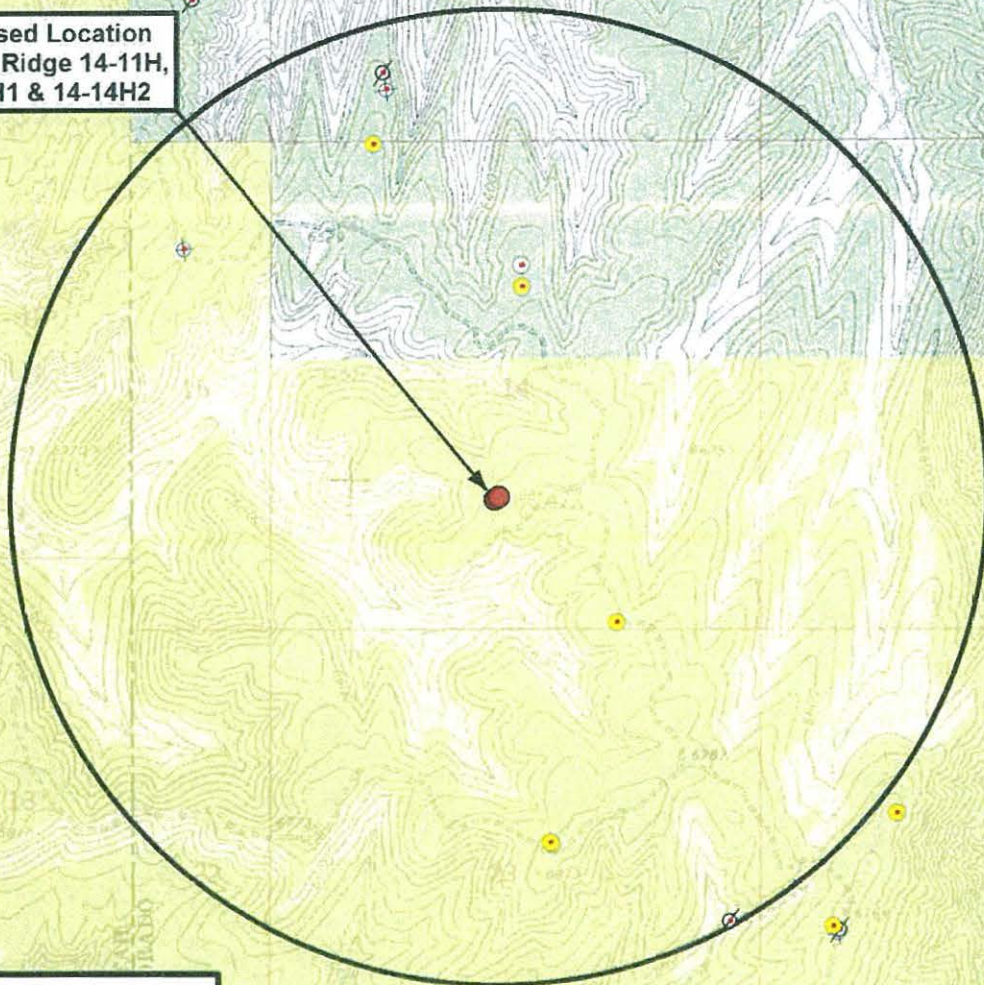
TOPOGRAPHIC MAP

SHEET  
**D**



# One Mile Radius Map

Proposed Location  
Weaver Ridge 14-11H,  
14-14H1 & 14-14H2



## Legend

- |                   |            |
|-------------------|------------|
| 1 Mile Radius     | Plugged    |
| Proposed Location | Producing  |
| Gas Storage       | Shut In    |
| Aban Loc          | Temp Aban  |
| Dry & Aban        | Unknown    |
| Domestic          | Waiting On |
| Injection         | Location   |

**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



**ROBERT L. BAYLESS PRODUCER LLC**

Weaver Ridge 14-11H, 14-14H1 & 14-14H2  
Sec. 14, T1S, R104W, 6th P.M.  
Rio Blanco County, CO.

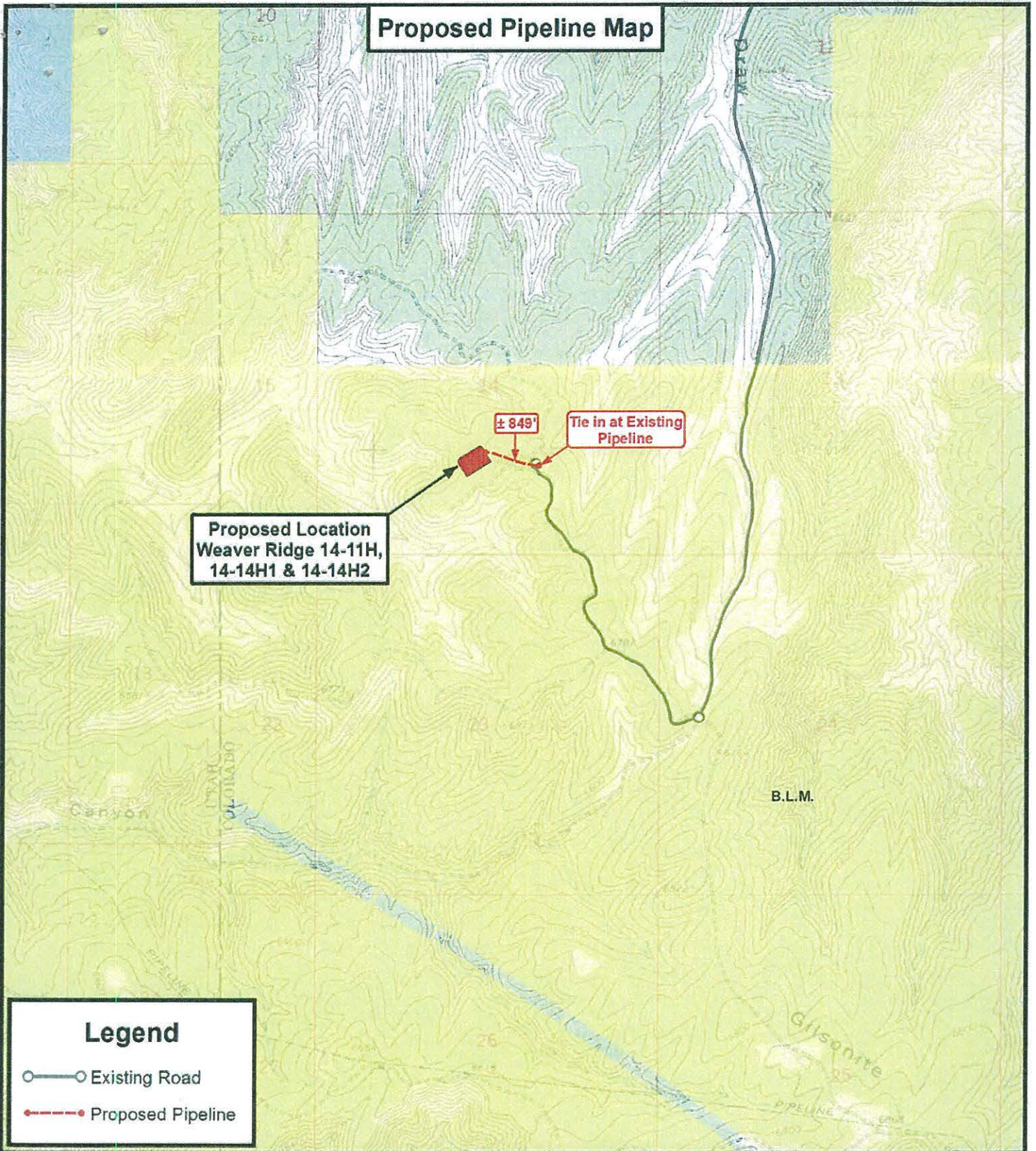
DRAWN BY:	J.A.S.	REVISED:	06-27-2014 J.A.S.
DATE:	05-20-2014		
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**C**



# Proposed Pipeline Map



## Legend

- Existing Road
- Proposed Pipeline

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## ROBERT L. BAYLESS PRODUCER LLC

Weaver Ridge 14-11H, 14-14H1 & 14-14H2  
Sec. 14, T1S, R104W, 6th P.M.  
Rio Blanco County, CO.

DRAWN BY: J.A.S. REVISED: 06-27-2014 J.A.S.  
DATE: 05-20-2014  
SCALE: 1" = 2,000'

**TOPOGRAPHIC MAP**

SHEET  
**D**









# Upstream

Petroleum Management, Inc.

7000 S. Yosemite St., Suite 290B  
Englewood, CO 80112  
phone 303.942.0506  
www.upstreampm.com

## WIS SUBMISSION

Mr. Kent Walter  
Bureau of Land Management  
Fluid Minerals  
White River Field Office  
220 E. Market Street  
Meeker, CO 81641

December 9, 2014

RE: Sundry Notice – Re-Submit APD at New Location  
Robert L. Bayless, Producer LLC  
**Weaver Ridge 14-14H1**  
SHL: 1,382' FSL 2,429' FWL (NE/4 SW/4)  
Sec. 14 T1S R104W  
BHL: ±2,000' FSL ±900' FWL (NW/4 SW/4)  
Sec. 13 T1S R104W  
Rio Blanco County, Colorado  
Surface: Federal  
Federal Mineral Lease: COC58704

Dear Mr. Walter:

This Sundry Notice (SN) – Form 3160-5 is being submitted to the Bureau of Land Management (BLM) – White River Field Office (WRFO) in Meeker, Colorado, per BLM request and on behalf of Robert L. Bayless, Producer LLC (Bayless). The Application for Permit to Drill (APD), submitted on December 7, 2014, was rejected by the Well Information System (WIS). Per a conversation with BLM – WRFO, a SN was requested for the new APD as a "Change to the APD". We are submitting the SN as requested. All the attachments to the originally submitted APD remain the same.

The federal filing contains the following enclosures: BLM APD – Form 3160-5, Survey Plat, Drilling Program, Surface, Intermediate and Production Casing Calculations, 3M BOP Diagram, Horizontal Survey, Well Bore Diagram, Multi-Well Surface Use Plan of Operations (SUPO), Operator Certification, Location Layout, Plant Proximity, Cross Sections, Rig Layout, Production Schematic and Interim Reclamation, Area Map/Water Haul Map, Access Road Map, Wells within a 1-Mile Radius Topo, Proposed Pipeline Map, Water Use Exhibit, and Weaver Ridge Well Bore Map.

**We have requested that all information regarding this well be kept confidential.**

Due to a request from the BLM, the wellsite was re-staked at 1,382' FSL 2,429' FWL (NE/4 SW/4) of Sec. 14 T1S R104W in Rio Blanco County, Colorado on May 28, 2014, by Tri State Land Surveying & Consulting, surveyor, on a site Bayless anticipates is now geologically and topographically acceptable to the BLM. The bottom-hole location is anticipated at ±2,000' FSL ±900' FWL (NW/4 SW/4) of Sec. 13 T1S R104W in Rio Blanco County, Colorado. The well will be drilled from the same wellpad as the Weaver Ridge 14-14H1 and Weaver Ridge 14-14H2.

### Your Assets / Our Expertise

- Regulatory
- Storm-water Management Plans
- Project Coordination
- Permitting
- Government Relations
- EA/EIS Assistance



A Notice of Staking was submitted to BLM in Meeker on October 10, 2013 for this location. An onsite meeting was held on November 19, 2013 with a subsequent onsite on August 18, 2014. Present were: Jay Johnson, Ed Hollowed, James Roberts, Matt Dupire and Aaron Grimes - BLM; and John D. Thomas - Bayless. Requirements were discussed at the onsite meeting. There will be three wells drilled from the Weaver Ridge Wellpad; Weaver Ridge 14-11H, Weaver Ridge 14-14H1, and Weaver Ridge 14-14H2.

The original APD was submitted to the BLM via WIS on January 24, 2014. An undated deficiency letter was received in our office. APD BLM Replacement pages with BLM's requested changes were submitted on March 28, 2014 on a SN via WIS. The BLM then asked that the pipeline disturbance width of 50 feet be submitted on a SN via WIS. That SN with the BLM's request was submitted on April 20, 2014. Upon further review, BLM determined that a sensitive plant overlay had not been provided to Bayless or Westwater Engineering, Bayless' environmental contractor, and requested the locations be moved to an entirely new location on a common pad with two (2) other Weaver Ridge wells; Weaver Ridge 14-11H and Weaver Ridge 14-14H2. Per a request from BLM, a new APD was submitted via WIS on December 7, 2014. The electronic APD was subsequently rejected. Per another conversation with BLM, it was then requested that the APD be submitted via a SN as a "Change to Original APD."

We anticipate that this SN will suffice for the latest BLM request.

Please utilize the attached documents submitted on behalf of Bayless. All other information in the APD submitted on December 7, 2014, shall remain the same.

Please send a copy of all correspondence to Upstream Petroleum Management, Inc. at 7000 Yosemite St., Suite 290B, Englewood, CO 80112. Please contact Kim Rodell or Angela Callaway at 303-942-0506 or at [krodell@upstreampm.com](mailto:krodell@upstreampm.com) or [acallaway@upstreampm.com](mailto:acallaway@upstreampm.com), respectively, if you have any questions.

Your early attention to this application is greatly appreciated. Thank you for your assistance.

Sincerely,



Kimberly J. Rodell  
Permit Agent for Robert L. Bayless, Producer LLC

Enclosures

cc: Robert L. Bayless, Producer LLC



# Upstream

Petroleum Management, Inc.

7000 S. Yosemite St., Suite 290B

Englewood, CO 80112

phone 303.942.0506

www.upstreampm.com

## WIS SUBMISSION

Mr. Kent Walter  
Bureau of Land Management  
Fluid Minerals  
White River Field Office  
220 E. Market Street  
Meeker, CO 81641

December 7, 2014

RE: Application for Permit to Drill – **New Federal Submittal**  
Robert L. Bayless, Producer LLC  
**Weaver Ridge 14-14H1**  
SHL: 1,382' FSL 2,429' FWL (NE/4 SW/4)  
Sec. 14 T1S R104W  
BHL: ±2,000' FSL ±900' FWL (NW/4 SW/4)  
Sec. 13 T1S R104W  
Rio Blanco County, Colorado  
Surface: Federal  
Federal Mineral Lease: COC58704

Dear Mr. Walter:

The new Application for Permit to Drill (APD) for the above captioned well is being filed via the Well Information System (WIS) on behalf of Robert L. Bayless, Producer LLC (Bayless). The original APD was submitted on January 24, 2014 to the Bureau of Land Management (BLM) – White River Field Office (WRFO) in Meeker, Colorado, with subsequent replacement pages. Due to a location change request from the BLM – White River Field Office, a new complete APD package is being submitted via the BLM's Well Information System (WIS). Per BLM's instructions, the fee of \$6,500.00 which was previously submitted by Bayless for the initial application will be applied to the new APD submittal.

**We have requested that all information regarding this well be kept confidential.**

The federal filing contains the following enclosures: Survey Plat, Drilling Program, Surface, Intermediate and Production Casing Calculations, 3M BOP Diagram, Horizontal Survey, Well Bore Diagram, Multi-Well Surface Use Plan of Operations (SUPO), Operator Certification, Location Layout, Plant Proximity, Cross Sections, Rig Layout, Production Schematic and Interim Reclamation, Area Map/Water Haul Map, Access Road Map, Wells within a 1-Mile Radius Topo, Proposed Pipeline Map, Water Use Exhibit, and Weaver Ridge Well Bore Map.

Due to a request from the BLM, the wellsite was re-staked at 1,382' FSL 2,429' FWL (NE/4 SW/4) of Sec. 14 T1S R104W in Rio Blanco County, Colorado on May 28, 2014, by Tri State Land Surveying & Consulting, surveyor, on a site that Bayless assumes is now geologically and topographically acceptable to the BLM. The bottom-hole location is anticipated at ±2,000' FSL ±900' FWL (NW/4 SW/4) of Sec. 13 T1S R104W in Rio Blanco County, Colorado. The well will be drilled from the same wellpad as the Weaver Ridge 14-11 and Weaver Ridge 14-14H2.

### **Your Assets / Our Expertise**

- Regulatory
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- Project Coordination
- Permitting
- Government Relations
- EA/EIS Assistance



An NOS was submitted to BLM in Meeker on October 10, 2013 for this location. An onsite meeting was held on November 19, 2013 with a subsequent onsite on August 18, 2014. Present were: Jay Johnson, Ed Hollowed, James Roberts, Matt Dupire and Aaron Grimes - BLM; and John D. Thomas - Bayless. Requirements were discussed at the onsite meeting. There will be three wells drilled from the Weaver Ridge Wellpad; Weaver Ridge 14-11H, Weaver Ridge 14-14H1, and Weaver Ridge 14-14H2.

The archaeological field work for the proposed wellpad and access road has been completed by Grand River Institute and has been forwarded to the BLM in Meeker, Colorado under separate cover. Per Grand River, no additional arch will be necessary for the re-staked location.

Please send a copy of all correspondence to Upstream Petroleum Management, Inc. at 7000 Yosemite St., Suite 290B, Englewood, CO 80112. Please contact Kim Rodell or Angela Callaway at 303-942-0506 or at [krodell@upstreampm.com](mailto:krodell@upstreampm.com) or [acallaway@upstreampm.com](mailto:acallaway@upstreampm.com), respectively, if you have any questions.

Your early attention to this application is greatly appreciated. Thank you for your assistance.

Sincerely,



Kimberly J. Rodell  
Permit Agent for Robert L. Bayless, Producer LLC

Enclosures

cc: Robert L. Bayless, Producer LLC