

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		CONFIDENTIAL		5. Lease Serial No. COC65568	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone				6. If Indian, Allottee or Tribe Name	
2. Name of Operator ENCANA OIL & GAS (USA) INC.		Contact: JUDITH A WALTER E-Mail: JUDITH.WALTER@ENCANA.COM		7. If Unit or CA Agreement, Name and No. C67628X	
3a. Address 370 17TH STREET SUITE 1700 DENVER, CO 80202		3b. Phone No. (include area code) Ph: 720-876-3702		8. Lease Name and Well No. EUREKA UNIT 8815D-24 D30397	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface Lot 4 18FSL 447FWL 39.76738 N Lat, 108.33030 W Lon At proposed prod. zone SWSE 108FSL 2113FEL 39.76760 N Lat, 108.33941 W Lon				9. API Well No.	
14. Distance in miles and direction from nearest town or post office* 55 MILES FROM MEEKER, COLORADO				10. Field and Pool, or Exploratory WILDCAT	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 447'		16. No. of Acres in Lease 920.00		11. Sec., T., R., M., or Blk. and Survey or Area Sec 19 T3S R97W Mer 6PM	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1986'		19. Proposed Depth 12300 MD 11800 TVD		12. County or Parish RIO BLANCO	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 7335 GL		22. Approximate date work will start		13. State CO	
				17. Spacing Unit dedicated to this well 10.00	
				20. BLM/BIA Bond No. on file COB000235	
				23. Estimated duration 30 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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) JUDITH A WALTER Ph: 720-876-3702	Date 07/01/2009
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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.

Additional Operator Remarks (see next page)

Electronic Submission #71640 verified by the BLM Well Information System
For ENCANA OIL & GAS (USA) INC., sent to the Meeker

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

Additional Operator Remarks:

Cultural Inventory was done by Montgomery Archeological Consultants, Inc.
At the On-site 5/04/04 we referred to this location as the E-P018 Pad.

See attachments:

Surface Use Plan

Drilling Plan & BOP

Directional Plan

Survey

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

EnCana Oil & Gas (USA) Inc.
Federal Surface Use Plan

1. EXISTING ROADS

- A. The proposed well-site is staked and reference stakes are present as shown on attached Topo maps.
- B. Access Roads – refer to *Topo Maps “A” and “B”*.
- C. Access Roads within a one-mile radius – refer to *Topo Map “B”*.
- D. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location. Excessive rutting or other surface disturbance will be avoided.
- E. Proceed in an westerly, then southerly direction from Meeker, Colorado along county road #13 approximately 22.7 miles to the junction of this road and Piceance Creek road or county road #5 to the west; turn right and proceed in a westerly, then southwesterly, then northwesterly direction approximately 23.1 miles to the junction of this road and Black Sulphur Creek or county road #26 to the southwest; turn left and proceed in a southwesterly direction approximately 1.7 miles to the junction of this road and fawn creek or county road #29 to the southeast; turn left and proceed in a southeasterly, then southerly direction approximately 0.7 miles to the junction of this road and county road #87 to the southeast; turn left and proceed in a southeasterly direction approximately 0.7 miles to the junction of this road and county road #69 to the southeast; turn left and proceed in a southeasterly, then southerly direction approximately 5.5 miles to the beginning of the proposed access to the southeast; follow road flags in a southeasterly direction approximately 0.1 miles to the proposed location. Total distance from Meeker, Colorado to the proposed well location is approximately 54.5 miles.
- F. There are no cattle-guards on this location, there is an existing bar ditch for drainage on both side of CR 69.
- G. Onsite Inspection was held on May 4, 2004 with the BLM, Permits were submitted July 24, 2004, approved October 28, 2004 and have expired, EnCana expanded the location to currant drilling practices. BLM was notified that we were staking the location Jan. 20, 2009.

2. PLANNED ACCESS ROADS

Proposed access roads are shown on Topo Map “B”

- A. A Width maximum – 50 foot construction easement with an 18-20 foot road running surface, crowned and ditched and/or sloped and dipped. Proposed length of new access road is +/-0.1 mile with approximately +/- 0.269 acres of surface disturbance. Topsoil is to be segregated during construction for replacement on new grades and seeded with appropriate seed mix.
- B. Construction standard – the access road will be constructed to the same standards as previously accepted in this area.
- C. Roads will be designed and constructed using the BLM Manual 9113 as a guide for operations.

The road will be constructed to meet the standards of the anticipated traffic flow and all weather requirements. Construction will include ditching, draining, crowning and capping or sloping and dipping the roadbed as necessary to provide a well-constructed and safe road.

Eureka Unit 8815D-24 D30 397 (E-P018)
Surface: Lot 4 Sec 19, T3S, R97W
BHL: SWSE Sec 24, T3S, R98W
Rio Blanco County, CO
COC-65568, Revision 1 on Aug. 11, 2009

Prior to construction/upgrading the roadway shall be cleared of any snow cover and allowed to dry completely.

Travelling off of the thirty (30) foot right-of-way will not be allowed.

Topsoil is only stored during the construction phase. During interim reclamation topsoil is to be placed on the new grades and seeded.

- D. Maximum grade – the average grade will be 10% or less, wherever possible. The 10% grade will only be exceeded in areas where physical terrain or unusual circumstances require it.
- E. Drainage design – the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide proper drainage along the access road route.
- F. Turnouts will be constructed along the access route as necessary or required to allow for the safe passage of traffic.
- G. Surface materials – surfacing materials will consist of native soil whenever possible. If any additional surfacing materials are required they will preferably be purchased from a local contractor having a permitted source of materials in the area. None are anticipated at this time.
- H. Gates, cattle guards or fence cuts – none required.
- I. Road maintenance – during the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and legal condition and will be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.
- J. The proposed access road will be centerline flagged.
- K. Dust will be controlled on the roads and locations during construction and drilling by periodic watering of the roads and locations.
- L. Gravel or other surfacing may be used when necessary for “soft” road sections, steep grades, highly erosive soils, clay & silty soils, and/or where all-weather access is required.
- M. If the well is a producer, EnCana will upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year around traffic.
- N. There are no major cuts & fills required on this new access road.
- P. For more information how planned access roads are handled in the Preconstruction/Construction/Interim/Final Reclamation stages please refer to Piceance Creek Stormwater Management Plan (June 20, 2008), this plan is on file at the operator’s field office and is available for review and inspection upon request. This plan is also on file at the WRFO BLM office.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS

Please refer to *Topo Map “C”*

- A. Eureka Unit 8803B F19 397, and Eureka Unit 8806C F19 397 are located SWNW Sec 19-T3S-R97W and are producing wells operated by EnCana
- B. The Government 397-19-1, located SENW Sec 19-T3S-R97W is a PA well, operated by American Cometra Inc.
- C. Ebler 1, SWNE Sec 30-T3S-R97W is a PA well, operated by Equity Oil Co.

Eureka Unit 8815D-24 D30 397 (E-P018)
Surface: Lot 4 Sec 19, T3S, R97W
BHL: SWSE Sec 24, T3S, R98W
Rio Blanco County, CO
COC-65568, Revision 1 on Aug. 11, 2009

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. At each drill location, surface disturbance will be kept to a minimum. Each drill pad will be leveled using cut and fill construction techniques as noted in the attached survey.
- B. Should drilling result in established commercial production the following will be shown:
 1. Proposed location and attendant lines, by flagging, if off well pad.
 2. Dimensions of facilities.
 3. Construction methods and materials.
 4. Protective measures and devices to protect livestock and wildlife.
 5. All buried pipelines will be buried to a depth of 3 feet, except at road crossing where they will be buried to a depth of 4 feet.
 6. Construction width of the right-of-way/pipeline route shall be restricted to 50 feet of disturbance reverting to 30 foot permanent.
 7. Pipeline location warning signs shall be installed within 90 days after construction is completed.
 8. EnCana shall condition pipeline right-of-ways in a manner to preclude vehicular travel upon said rights-of-way, except for access to pipeline drips and valves.
 9. Pipeline Right-of-way is hereby requested in the event production is established. On behalf of EnCana Gathering Services (USA) Inc., we hereby request +/- 397' of up to 8" steel gas line, up to 6" steel water line, and up to 6" steel gas lift line. Pipeline ROW request is for 50' for construction of working surface during construction. The pipeline will be placed parallel to the proposed access road, with the intention to bury these pipelines. All disturbances will be reclaimed according to BLM requirements. The pipelines will tie in to an existing pipeline in the SWSW Sec 19, T3S, R97W. *See Topo Map "D"*.
 10. ROW request is for a 50' construction working surface during construction. After construction is complete 20' is to be rehabilitated leaving a 30' working surface. In the event production is established this well will be tied-in to an existing pipeline as shown in *Topo Map "D"*.
 11. The area used to contain the proposed production facilities will be built using native materials. If these materials are not acceptable, arrangements will be made to acquire appropriate materials from private sources.
 12. A dike will be constructed completely around any production facilities which contain fluids (i.e. production tanks, produced water tanks, etc.) These dikes will be constructed of compacted subsoil, be impervious, hold 110% of the capacity of the largest tank, and be independent of the back cut.
 13. All permanent (onsite for six months or longer) above-the-ground constructed or installed, including pumping units, will be painted a flat non-reflective, earth tone color to match one of the standard environmental colors as determined by the five State Rocky Mountain Interagency committee. All production facilities will be painted within six months of installation. Facilities that are required to comply with Occupation Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
 14. If different production facilities are required, a sundry notice will be submitted.

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

15. Run off and sediment Best Management Practices will be implemented and maintained according to the Piceance Creek Draw Unit Storm Water Management Plan.
16. EnCana Oil & Gas (USA) Inc. shall protect all survey monuments, witness corners, reference monuments and bearing trees in the affected areas against disturbance during construction, operation, maintenance and termination of the facilities authorized herein.

EnCana Oil & Gas (USA) Inc. shall immediately notify the authorized officer in the event that any corners, monuments or markers are disturbed or are anticipated to be disturbed. If any monuments, corner or accessories are destroyed, obliterated or damaged during construction, operation or maintenance, EnCana shall secure the services of a Registered Land Surveyor to restore the disturbed monuments, corner or accessories, at the same location, using surveying procedures found in the Manual of surveying Instructions for the Survey of the public Lands of the United States, latest edition. EnCana shall ensure that the Registered Land Surveyor properly records the survey in compliance with the Colorado Revised Statutes 38-53-101 through 38-53-112 (1973) and shall send a copy to the authorized officer.

- C. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- D. Reclamation of disturbed areas no longer needed for drilling/completion operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.
- E. EnCana Oil & Gas (USA) Inc. will be responsible for road maintenance from the beginning to completion of operations.
- F. *See Sheet 6 of 11* for proposed location of Production Facilities.
- G. The production facility may consist of 2-400 bbls condensate tanks, 1-2500 bbl water tanks, 1 test separator (approx. 36" x 10'), 1- high pressure scrubber (approx. 60" x 16') and a treater (approx. 10' x 52')
- H. Pad Sales meter and building (approximately 6' x 6'), possible water pump and bldg (approx. 12' x 12'), possible emissions control unit either a combustor or VRU.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water to be used for the drilling and completing of these wells may be delivered to the location via (1) pumping through a +/- 12" diameter steel water pipeline using an approved ROW, or (2) hauling by truck over the roads described in item #1 and item #2. The water source may be from (1) recycled flow back water (frac water from completion operations), production water gathered from producing wells, or some combination thereof resulting from ongoing operations in the Piceance Basin that may be treated for reuse, or (2) fresh water from available water rights in the Piceance Basin.
- B. The water provider is EnCana. EnCana maintains numerous water rights in Piceance Creek/or its tributaries. Fresh water will likely come from our Industrial Rights in Ryan Ditch, decree # CA-166 and CA 624, please reference Case # 04CW059.
- C. The estimated amount of water used for construction, drilling, completion, fracing and dust abatement is 5000 bbls fresh water for drilling, completions will use

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

~50,000 bbls of either fresh or recycled water. The routes the trucks will take if it becomes necessary to truck water would be the route indicated in the driving directions from Rangely. See Section 1- E.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. All access roads crossing Federal land are described under Item #2, and shown on *Topo Map "A"*.
- B. All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and roads. The source of this material is located in the Lot 4 Section 19, Township 3 South, and Range 97W. No additional construction material from other sources is anticipated at this time. If, in the future it is required, the appropriate actions will be taken to acquire it from private sources.
- C. All trees on the locations, access road, and proposed pipeline routes shall be purchased prior to construction from the Bureau of Land Management, White River Resource Area, and disposed of by one of the following methods:
 - 1. Trees shall be cut with a maximum stump height of six inches (6") and cut to 4-foot lengths and stacked off location. Trees will not be dozed off the location or access road, except on private surface where trees may be dozed. Trees may also be dozed on pipeline routes and then pulled back onto right-of-way as part of final reclamation.
 - 2. Limbs may be scattered off location, access road or along the pipeline, but not dozed off.
 - 3. Request to allow for use of site slash (site vegetation trees, shrubs, forbs & grasses) in preconstruction BMP's and permanent stormwater BMP's as sediment control within our limits of disturbance on access roads, pipelines and facility construction.

Root balls shall be buried or placed off location, access road, or pipeline route to be scattered back over the disturbed area as part of the final reclamation.

- D. There will be no additional fill required.

7. METHODS OF HANDLING WASTE MATERIALS-

- A. Cuttings will be deposited in a cuttings pit/trench. Cuttings Management: a cuttings pit/trench capable of containing cuttings from 8 wells. There is a 20' x 50' cuttings pit/trench planned for this well pad. The cuttings/trench area will not be lined. Provided a cuttings mixing area is utilized it will be bermed to manage stormwater concerns. Cuttings will be buried in the completion pit and/or in the cuttings/trench pit when dry.
- B. The completion pit, cuttings pit/trench and flare pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids there from. All pits will be constructed, operated and maintained in accordance with the applicable BLM/COGCC rules and regulations.
- C. Prior to the commencement of drilling operations, the completion pit will include appropriate netting, or fencing and escape ramps as necessary to protect public health, safety and welfare or to prevent adverse environmental impacts resulting

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

- from access to a pit by wildlife, migratory birds, domestic birds, or members of the general public, in accordance with applicable BLM/COGCC rules and regulations.
- D. Drilling fluids including salts and chemicals will be contained. Upon termination of drilling and completion operations, the mud will be transferred to another drilling location for use, dewatered and recycled, or removed and disposed of at an approved waste disposal facility within ninety (90) day after termination of drilling and completion activities.
 - E. In the event that adverse weather conditions prevent removal of the fluids from the mud system within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from EnCana Oil & Gas (USA) Inc.
 - F. Produced fluids – liquid hydrocarbons produced during completion operations will be gathered in flow back tanks or a completion pit on location. Produced waste water will be confined to a completion pit or flow back tanks for a period not to exceed ninety (90) days after initial production.
 - G. Produced fluids – liquid hydrocarbons produced during production operations will be confined to a pit (completion pit) or flow back tanks for a period not to exceed ninety (90) days. It may also be recycled and used for drilling, completion or fracing for another well or location. Excess water may be piped or trucked to disposal wells and/ trucked to a commercial disposal facility.
 - H. Sewage- self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved, sewage disposal facility.
 - I. Garbage and other waste material – garbage, trash and other waste materials will be collected in a portable, self-contained and fully – enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
 - J. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be maintained until such time as the pits are backfilled.
 - K. Any spills of oil, gas, salt water or other potentially hazardous substances will be reported immediately to the BLM, and other responsible parties, and will be mitigated immediately, as appropriate, through clean up or removal to an approved disposal site.

8. ANCILLARY FACILITIES

Self-contained travel-type trailers may be used on site during drilling operations. Certified Colorado Department of Housing units will be provided for use in the extraction of gas on COGCC approved pads. These units will be used by Essential Personnel and will abide by Federal, State, and local regulations which directly pertain to Temporary Employee Housing (TEH) or Temporary Living Quarters (TLQ), depending on the County in which extraction will be taking place.

For more detailed information about how the construction methods of well pads, roads, and pipelines, are handled during Preconstruction/Construction/Interim/Final Reclamation refer to Piceance Creek Stormwater Management Plan (June 20, 2008), this plan is on file at the operator's field office and the BLM WRFO. This plan is available for review and inspection upon request.

Eureka Unit 8815D-24 D30 397 (E-P018)
Surface: Lot 4 Sec 19, T3S, R97W
BHL: SWSE Sec 24, T3S, R98W
Rio Blanco County, CO
COC-65568, Revision 1 on Aug. 11, 2009

Potable water provided by water haulers certified by the Colorado Department of Public Health & Environment.
Septic will be held in County approved engineered ISDS Vault and Haul systems.
Waste materials generated by and from these units will be contained in wildlife proof containers and will be hauled weekly, or as needed.

9. WELLSITE LAYOUT

- A. The attached plat specifies the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. All suitable topsoil material will be stripped and stockpiled, (topsoil to be stripped from this location, including the areas of cut, fill and/or subsoil storage) and stockpiled for future reclamation of the well site. The windrowed and/or stockpiled topsoil will be seeded after construction is completed.
- B. Topsoil conservation practices include stockpiling and/or windrowing available topsoil. The stockpiles are to be tracked walk perpendicular to contour with a convex top and concave bottom then seeded and mulched. Depth and width will vary with availability and stormwater requirements. The estimated depth of the windrowed/stockpiled topsoil may vary between 6 inches to 10 feet.
- C. Soil Unit Name: Redcreek-Rentsac complex (soil map unit 70) with 5-30% slope. Ecological site: P/J Woodlands; Effective Rooting Depth: 10-20"; Runoff: Medium; Erosion Potential: Moderate to high; Bedrock Depth: 10-20".
- D. In general, materials will be moved and returned according to a last out first in philosophy. No excessive rock was identified at the on-site.
- E. Prior to commencement of drilling operations, the completion pit will include appropriate netting, or fencing and escape ramps as necessary to protect public health, safety and welfare or to prevent adverse environmental impacts resulting from access to a pit by wildlife, migratory birds, domestic birds, or members of the general public, in accordance with applicable BLM/COGCC rules and regulations
- F. Any accumulations of oil or hydrocarbons in the completion pit will be monitored and removed as necessary in accordance with applicable BLM/COGCC rules and regulations.
- G. The flare pit will be constructed as an unlined pit.
- H. This pad is likely to have a small amount of standing water. This pad is designed to contain stormwater.
- I. Methods of stabilization: proposed for this pad are erosion control blankets, hydro seeding, terracing, vegetated buffers, and topsoil stockpiles.
- J. To control drainage, the proposed BMP's for this location toe berm, level spreader, and run-on protection will be implemented near the entrance of this location.
- K. For sediment control, BMP's proposed for this location is a check dam, stabilized construction entrance, sediment reservoirs, sediment traps, detention pond, along with slash and wattle.
- K. The estimated surface disturbance for this well pad is +/- 7.469 acres.
- L. The estimated surface disturbance for the proposed pipeline is +/- 0.456 acres.
- M. For more detailed information about how well pads, roads, pipelines, topsoil and subsoil segregation are handled during: Preconstruction/Construction/Interim/Final Reclamation refer to the Piceance Creek Stormwater Management Plan (June 20, 2008) this plan is on file at the operator's field office and the BLM WRFO. This plan is available for review and inspection upon request.

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

10. PLANS FOR RECLAMATION OF THE SURFACE

A. PRODUCTION (Interim/Final Reclamation): The BLM will be contacted prior to commencement of any reclamation operations.

1. Immediately upon well completion, the well location and surrounding areas(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43CFR 3162.7-1.
3. Upon completion of the initial 8 permitted wells on the pad, EnCana will evaluate the economics of the area, there is a possibility of three different scenarios:
 - a) Assuming the area proves to be economic, EnCana may return to drill the remaining 24 wells-interim reclamation will be applied within 6 months of the completion of the 8th well to all 8 wells.
 - b) If the area is not economic enough at this time to warrant drilling the remaining wells within a reasonable timeframe (1 year) then interim reclamation will be applied to the first 8 wells within the 1 year.
 - c) If the wells are not economic at all the wells may be plugged-final reclamation standards will be applied to the pad.

The pad will be reclaimed except the working area which is usually 100' off wellheads and 10-15' around production equipment. The proposed reclaimed pad with all 8 wells surface will be approximately 1.918 acres, *see sheet 6 of 11 of the survey package.*

4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed. Other waste and spoil materials will be disposed of immediately upon completion of drilling and work-over activities.
5. The reserve pit and that portion of the location and access road not needed for production facility/operations will be reclaimed within six (6) months from the date of well completion, weather permitting.
6. If the well is a producer, EnCana will upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Areas unnecessary to operations will have areas reshaped. Topsoil will be redistributed and disked. All areas outside the work area will be re-seeded according to the Bureau of Land Management recommendations for seed mixture.
7. All cuttings/reserve pits and detention ponds will be closed as soon as possible. If netting has been installed it will remain in place until deemed appropriate to remove in order to protect migratory waterfowl.
8. A stormwater permit for the Piceance Creek Area has been received from the Colorado Department of Public Health and Environment, Water Quality Control Division.
9. Methods of stabilization: BMP to prevent erosion will be the revegetation. and rip rap left at the location.
10. Control drainage: planned flow of water to specific points, edges and or direction on the pad, the proposed BMP's at reclamation for this location is a to leave the flow control ditch on the perimeter of the location, with wide shallow swale, there will be two (2) 18"-24" culverts.
11. Sediment control: is a Stormwater BMP that prevents erosion will be implemented on this location; there will be a detention pond and snow storage area here.

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

12. During interim and final reclamation of the site, fill material will be pushed into cuts and up over the back slope. Allowance to construct sediment traps/reservoirs to maintain compliance with the state. Topsoil will be distributed evenly over the location and seeded according to the recommended seed mixture. 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.
13. For interim and final reclamation topsoil will be redistributed and disked. All areas outside the work area will be re-seeded according to the Bureau of Land Management recommendation for seed mixture of Native Seed Mix #2.
14. Upon completion of backfilling, leveling and recon touring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Segregation of topsoil material and replacement of topsoil in its respective position (last out, first in) method will assist in the re-establishment of soil health and productivity. Topsoil will also be placed on its respective slopes, i.e. oakbrush shrub soil and pinyon juniper woodland soil will not be mixed. Prior to reseeded, all disturbed surfaces will be scarified and left with a rough surface. All disturbed surfaces will be re-seeded according to the Bureau of Land Management recommendation for seed mixture of Native Seed Mix #2.
15. Slash/brush will be pushed to the terminal edge of disturbance along probable discharge edges as vegetation sediment control and during the life span of the site and kept in place to cold compost for final reclamation
16. There will be no additional fill required.
17. The fill will be separated mechanically and placed in 1 to 2 foot lifts using a dozer and blade.
18. At final reclamation all storm water management BMP's for drainage, sediment and erosion will be removed because the only remaining potential pollution source via stormwater will be runoff sediment. All sediment will be managed through revegetation practices (seeding on contour, crimping straw on contour and/or erosion control hydro-mulch, pocking and topsoil distribution. Perimeter wattles will remain until vegetation establishment meets minimum requirements.
19. In general, materials will be moved and returned according to a last out first in philosophy. No excessive rock was identified at the on-site.
20. The estimated surface disturbance for this well pad, access roads and proposed pipeline:

Approximate Acreage Disturbance

Well disturbance	7.469
Access Road disturbance	0.269
<u>Proposed Pipeline disturbance</u>	<u>0.456</u>
Total =	8.194

The proposed reclaimed pad surface +/- 1.918 acres (*see sheet 6 of 11*)

21. Weed Control: See Weed Control Plan

Prevention and Detection:

- a) Before entering BLM lands, all construction, heavy or off-road equipment and transport (backhoes, trackhoes, dozers, blades, rollers, lowboys, equipment trailers, etc.), pickup trucks, SUVs, vans, water trucks, pipe trucks, etc., shall be power washed to remove seeds, soil, and vegetative matter.

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

- b) If noxious weeds are found, they shall be treated (if timing is appropriate) or removed (if plants have formed seeds) prior to ground-disturbing activities to limit weed seed production and dispersal. If the treatment timing is not appropriate for the weed species, ground-disturbing activities may proceed.
- c) All disturbed surfaces shall be promptly revegetated with certified weed-free seed per agency policy. BLM policy is to use native species for revegetation. Exceptions may be granted under certain conditions, such as the use of non-invasive non-native forbs when native forbs are unavailable or unlikely to succeed due to adverse conditions. Also, non-native, non-persistent sterile grasses may be used to provide ground cover for soil stabilization and weed suppression during temporary reclamation.
- d) Topsoil stockpiles shall be promptly re-vegetated to maintain soil microbe health and prevent weeds. Native or non-native, non-persistent sterile grasses may be used to seed stockpiles.
- e) Straw, hay, or other mulch used in reclamation shall be certified weed-free.

Inventory and Mapping:

- a) The center points of List A and B weed infestations (with the exception of redstem filaree and quackgrass) shall be marked with a GPS unit, or, GPS lines or polygons along or around weed infestations.
- b) A Noxious Weed Inventory record shall be completed each time a List A or B weed infestation is inventoried (with the exception of redstem filaree and quackgrass). See Appendix B for required components of a Noxious Weed Inventory record.
- c) Inventories for the presence of noxious weeds shall be conducted at least once early in the growing season for all areas disturbed by oil and gas exploration and development. Weeds shall be treated in an appropriate manner if found during inventories. Follow-up inventories and re-treatment during the same growing season may be necessary to provide additional control and/or eradication.

Weed Control:

- a) The operator shall implement the best available weed control technique(s) at the appropriate times based on the life history of the weed species.
- b) A Pesticide Use Proposal (PUP) shall be approved by the BLM prior to use of herbicides on BLM lands.
- c) Only adjuvants and herbicides approved by the BLM shall be applied to BLM lands.
- d) A Pesticide Application record shall be filled out each time pesticides are applied to BLM. The operator shall maintain these records for a minimum of three years.
- e) All List A species and those List B species designated in Appendix A shall be immediately reported to the appropriate County, BLM, and FS Weed Manager.
- e) Herbicide use shall follow application rates, restrictions and warnings listed on the label.

Eureka Unit 8815D-24 D30 397 (E-P018)

Surface: Lot 4 Sec 19, T3S, R97W

BHL: SWSE Sec 24, T3S, R98W

Rio Blanco County, CO

COC-65568, Revision 1 on Aug. 11, 2009

- f) In situations where noxious weeds have escaped from the project area into adjacent sites, the infested areas shall be treated to prevent further expansion into un-infested areas and re-infestation of the treated area.
 - g) The operator shall use pesticide applicators licensed by the Colorado Department of Agriculture.
- 22. Spill Prevention Control and Countermeasure Plan (SPCC): The SPCC plan has been prepared for the project and is on file at the operator's field office and is available for review and inspection upon request. EnCana is in substantial compliance with all 40 CFR part 112 rules.
- B. For more detailed information about how well pads, roads, pipelines, topsoil and subsoil segregation are handled during: Preconstruction/Construction/Interim/Final Reclamation refer to Piceance Creek Stormwater Management Plan (June 20, 2008), this plan is on file at the operator's field office and the BLM WRFO. This plan is available for review and inspection upon request.

C. DRY HOLE /ABANDONED LOCATIONS

On lands administered by the BLM, abandoned well sites, roads or other disturbed areas will be restored to near their original condition.

This procedure will include:

- 1. Re-establishing irrigation systems where applicable,
- 2. Re-establishing soil conditions in irrigated field in such a way as to ensure cultivation and harvesting of crops and,
- 3. Ensuring revegetation of the disturbed areas to the specification of the BLM at the time of abandonment.

All disturbed surfaces will be recontoured to the approximate natural contours and re-seeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

If the well is abandoned or a dry hole, EnCana will restore the access road and location to approximately the original contours. During reclamation of the site, fill material will be pushed into cuts and up over the back-slope. Allowance to construct sediment traps/reservoirs to maintain compliance with the state. In Dry-land Revegetation allowance to pock sites to create micro-catchments for water containment for seed establishment. Topsoil will be distributed evenly over the location and seeded according to the recommended seed mixture. 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.

11. SURFACE OWNERSHIP:

BLM owns the surface of this pad location.

Eureka Unit 8815D-24 D30 397 (E-P018)
Surface: Lot 4 Sec 19, T3S, R97W
BHL: SWSE Sec 24, T3S, R98W
Rio Blanco County, CO
COC-65568, Revision 1 on Aug. 11, 2009

12. OTHER INFORMATION:

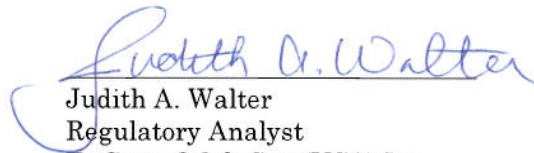
- A. A Class III (intensive) Cultural Resource Inventory of the proposed drill sites, access roads and other facilities on federal lands will be conducted and a report filed with the appropriate BLM office. Wildlife or T&E surveys will be conducted by WestWater Engineering if required.
- B. If archaeological, historical or vertebrate fossil materials are discovered during the course of any construction activities, EnCana will suspend all operations that further disturb such materials and immediately contact the appropriate BLM office. Operations in the area of discovery will not resume until written authorization to proceed has been issued by the BLM Authorized Officer (AO).
- C. EnCana will be fully responsible for the actions of their subcontractors. A copy of the approved APD and Conditions of Approval will be on location during drilling and completion operations.
- D. Any construction activity in the areas shall be done with awareness that many natural gas pipelines are buried. Some are apparent as to location; some have grown over with weeds and brush. It is suggested that the contractor contact the operators in the area to locate all lines before digging.

13. REPRESENTATIVES AND CERTIFICATION:

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved Application for Permit to Drill will be furnished to the field representatives to ensure compliance and shall be on location during all construction and drilling operations.

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 that currently exist; that I have full knowledge of the 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 filing false statements.

Executed this 11th day of Aug, 2009.


Judith A. Walter
Regulatory Analyst
EnCana Oil & Gas (USA) Inc.
370 17th Street, Suite 1700
Denver, CO 80202
(720) 876-3702

EnCana Oil & Gas (USA) Inc.

Drilling Program

Eureka Unit 8815D-24 D30 397

Surface Location: Lot 4 Sec. 19 T3S R97W
Bottom Hole Location: SWSE Sec. 24 T3S R98W
Surface County: Rio Blanco

1. Estimated Tops of Important Geologic Markers

FORMATION	ESTIMATED TOP – TVD	Lithology	Oil/Gas/Water
Green River	Surface	SS & Shale	Possible Water
Top A Groove	592	Sand	Possible Water
Mahogany Bench Top	964	Oil Shale	Oil Shale
Base B Groove	1136	Sand	Possible Water
Wasatch	2,415	SS & Shale	No Potential Gas
Williams Fork	6,097	SS & Shale	Potential Gas
Top of Gas	6,467	SS & Shale	Top of Continuous Gas
Rollins	9,887	SS & Shale	Potential Gas
Cozzette	10,037	SS & Shale	Potential Gas
Corcoran	10,237	SS & Shale	Potential Gas
Sego	10,467	SS & Shale	Potential Gas
Permit TD	11,800	12300	Est. MD

The proposed casing and cementing program has been designed to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use.

The surface casing shall be set at 3000' and cemented back to surface either during the primary cement job or by remedial cementing. Cementing to surface will isolate all potential fresh water zones. Production casing is designed to have cement lifted at least 500' above the top of gas.

2. Proposed Casing and Cementing Program

A. Casing Program: All New

Hole Size	Casing Size	Depth Set MD	Wt./Ft., Grade, & Joint	Cement
26	20	120	Line Pipe	To surface w/Class 3
14.75	9.625	3000	36#, J55, ST&C	Cemented to surface w/ Lead: 1615 sx Class G (12.5 ppg) Tail: 454 sx Class G (14 ppg)
7.875	4.5	12300	11.6#, P-110, LTC	Cemented to 500' above TOG w/ Lead: 0 sx Class G (12 ppg) Tail: 970 sx Class G (13 ppg)

Yields: Class G Surface Lead
Class G Surface Tail
Class G 75:25 Poz
TXI

Yield = 2.11 ft³/sx (12.5 ppg)
Yield = 1.54 ft³/sx (14 ppg)
Yield = 1.89 ft³/sx (12 ppg)
Yield = 1.88 ft³/sx (13 ppg)

-2500 psi compressive in 72 hours

-Actual cement volumes will be determined by caliper log. If caliper logs are not available then surface casing cement volumes will be calculated at 100% excess and production casing cement volumes will be calculated at 25% excess.

-Centralizers will be installed per approved centralizer program from cement vendor.

Casing String			
Size	Weight (lb/ft)	Grade	Connection
9-5/8"	36	J/K-55	STC
4-1/2"	11.6	P-110	LTC

Casing Strength Properties			
Size	Collapse (psi)	Burst (psi)	Tensile (1000 lb)
9-5/8"	2020	3520	453
4-1/2"	7580	10690	279

Minimum Design Factors			
Size	Collapse	Burst	Tension
9-5/8"	1.00	1.10	1.50
4-1/2"	1.00	1.10	1.10

Casing Design Considerations/Safety Factors:

A. Surface casing @ 3000' MD; 9-5/8" 36# J-55	
Purpose: Protect shallow fresh water and contain MASP to TD	
Maximum anticipated mud weight at surface casing depth:	9.0 ppg
Maximum anticipated mud weight at TD:	11.3 ppg
Maximum anticipated equivalent formation pressure at TD:	11.0 ppg
TVD at production casing point:	12300 ft
Surface setting depth	3,000 ft
Mesaverde pore pressure	.45 psi/ft psi/ft
<u>Collapse Design:</u>	
Evacuated 9-5/8" 36# J-55 casing with 9.0 ppg drilling fluid density:	
Load = $9 * 0.052 * 3000'$	1,404 psig
Rating	2,020 psig
S.F.	1.4
<u>Burst Design:</u>	
Assume kick with partially evacuated hole and influx gradient of 0.22 psi/ft	
(Calculations assumes shoe will not break down)	
MASP (Load) = $12300 * (0.45 - 0.22)$ psi/ft	2,829 psig
Rating	3,520 psig
S.F.	1.2
<u>Tensile Design:</u>	
9-5/8" 36# J-55: Designed on Air Weight * Buoyancy + overpull margin	
Load = $3000' * 36# * 0.862 + 100,000$ lbs (OPM)	193,096 lbs
Rating:	453,000 lbs
S.F.	2.3
Overpull with S.F. = $453000 \text{ lbs} / 1.5 - 93096 \text{ lbs}$	208,904 lbs
B. Production Casing @ 12300' MD; 4-1/2", 11.6#, P-110, LTC	
Maximum Anticipated Mud Weight at Total Depth	11.30 ppg
Maximum Anticipated Equivalent Formation Pressure at Total Depth	11.0 ppg
Maximum Surface Treating Pressure for Fracture Operations	9,718
Assumed Gas Gradient for Production Operations	.115 psi/ft
<u>Collapse Design:</u>	
Designed on evacuated casing properties with 11.5 ppg drilling fluid density with no internal back-up	
Load = $11.3 * 0.052 * 12300'$	7,227 psig
Rating	7,580 psig
S.F.	1.0
<u>Burst Design:</u>	
Assume maximum surface shut-in pressure during production, and maximum surface treating pressure during fracture stimulation operations.	
<u>Design Consideration #1: Maximum Surface Shut-In Pressure</u>	
MASSIP (Load) = $12300' * (0.45 - 0.115)$ psi/ft	4,121 psig
Rating	10,690 psig

S.F.

2.6

Design Consideration #2: Maximum Surface Treating Pressure During Frac Operations

MATP:	9,718 psig
Rating	10,690 psig
S.F.	1.1

Tensile Design:

Designed on Air Weight * Buoyancy

Load = (12300 * 11.6 lb/ft * 0.832) + 100,000 lbs (OPM)

218,710 lbs

Rating

279,000 lbs

S.F.

1.3

Overpull with SF = 279000 lbs/1.1 - 118710 lbs

134,927 lbs

***Cementing Volume Design Clarification:**Surface Casing @ 3000'

*Slurry designed for full coverage with 100% excess.

Production Casing

*Slurry designed to for 500' above top of gas. Volume assumes 7-7/8" hole to TD plus 25%.

*If open hole logs are run, cement volumes will be determined from the caliper plus 10% excess.

3. Pressure Control Equipment (3,000 psi Schematic Attached)

BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing (subsequent pressure test will be performed whenever 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 at 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 on 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.

A PVT, Stroke Counter, and flow sensor will be installed to check for flow and monitor pit volume.

4. Mud Program

Interval	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 3000'	5.0 - 9.5	NC	20 – 80	Spud Mud
3000' – 6000'	5.0 – 10.5	6 - NC	30 – 100	Gel/ Polymer
6000' – TD	8.5 – 11.5	4 - 10	30 – 100	Gel / Polymer

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

5. Auxiliary Equipment

1. Upper Kelly cock (lower Kelly cock – to be available on rig floor)
2. Inside BOP or stab-in valve (available on rig floor)
3. Mud Monitoring will be visually observed.

6. Evaluation Program

Logs: Triple Combo: TD to BSC (GR to surface)
CBL/CCL/GR: TD to 500' above TOC

DST's: None

Cores: Possible sidewall cores in Williams Fork/Cameo

The proposed Evaluation Program may change at the discretion of the well-site geologist.

Completion procedures will be determined after reviewing data. Whether the well is completed as a dry hole or as a producer, the Well Completion Report and Log will be submitted not later than thirty (30) days after the completion of the well or after completion of operations being performed.

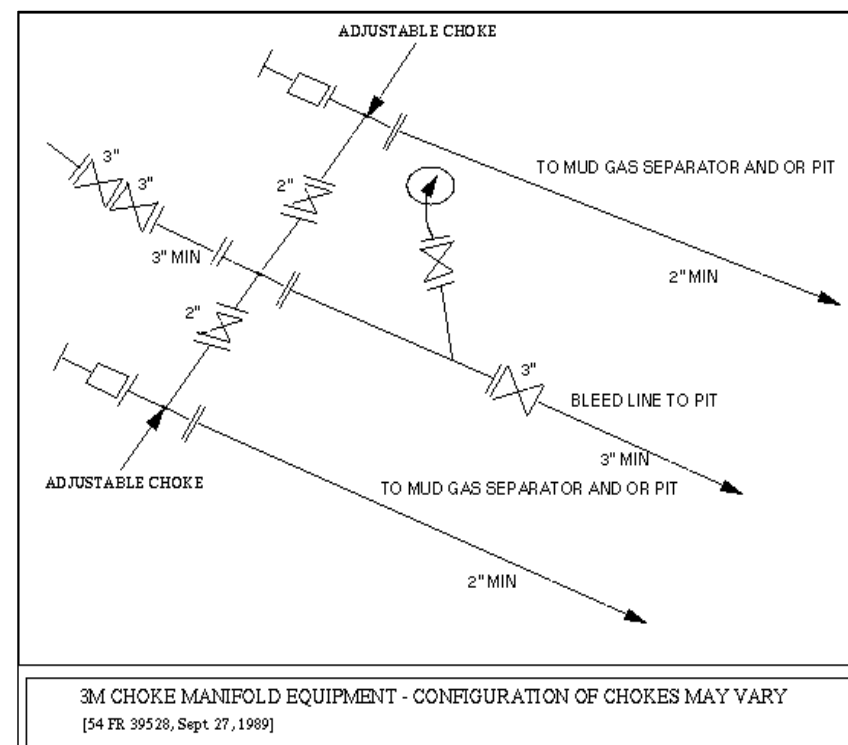
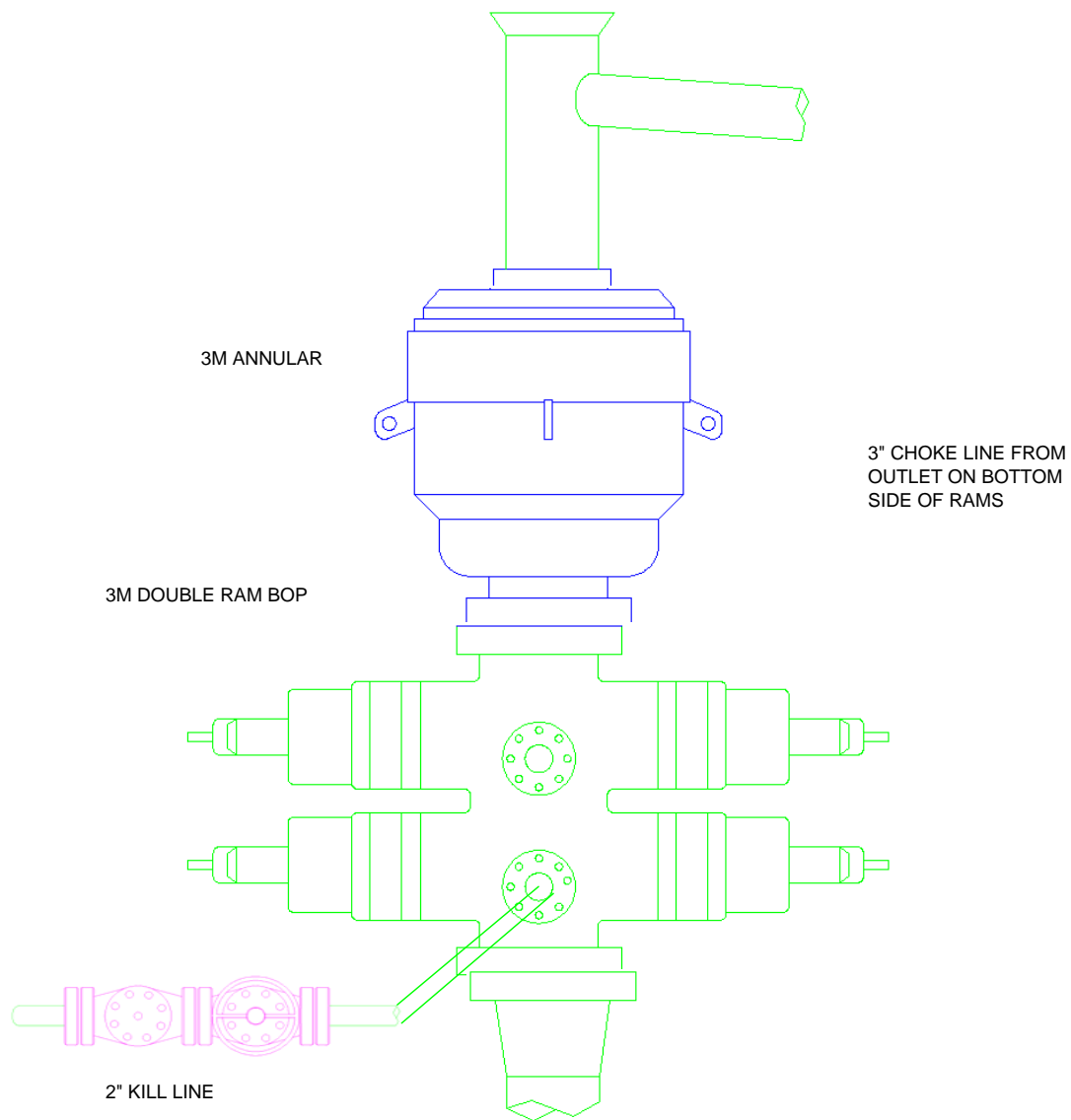
7. Abnormal Conditions

1. Pressures: Cameo pressures are .4 psi/ft gradient. William Fork is normal to under pressured at .3 psi/ft gradient

- 2. Temperatures: No abnormal temperatures are anticipated.
- 3. H₂S: No H₂S has been encountered in or known to exist in the general area.
- 4. Estimated bottom-hole pressure: 4,200 psi.

8. Anticipated Starting Dates/ EnCana Oil & Gas (USA) Contact

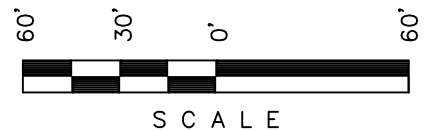
- A. Anticipated Starting Dates: Upon approval Unit Obligation is Dec. 23, 2009
Anticipated Commencement Date: 30 days from start date
Drilling Days: Approximately 15 days
Completion Days: Approximately 15 days
- B. Please contact Craig Wieland at phone no: 720-876-5289 Cell Phone: 303-319-9478
With any questions or concerns regarding this drilling program.



EnCana OIL & GAS (USA) INC.

LOCATION LAYOUT FOR

WELL PAD D30 397
SECTIONS 19 & 30, T3S, R97W, 6th P.M.
Lot 4 (Sec 19) & Lot 1 (Sec 30)



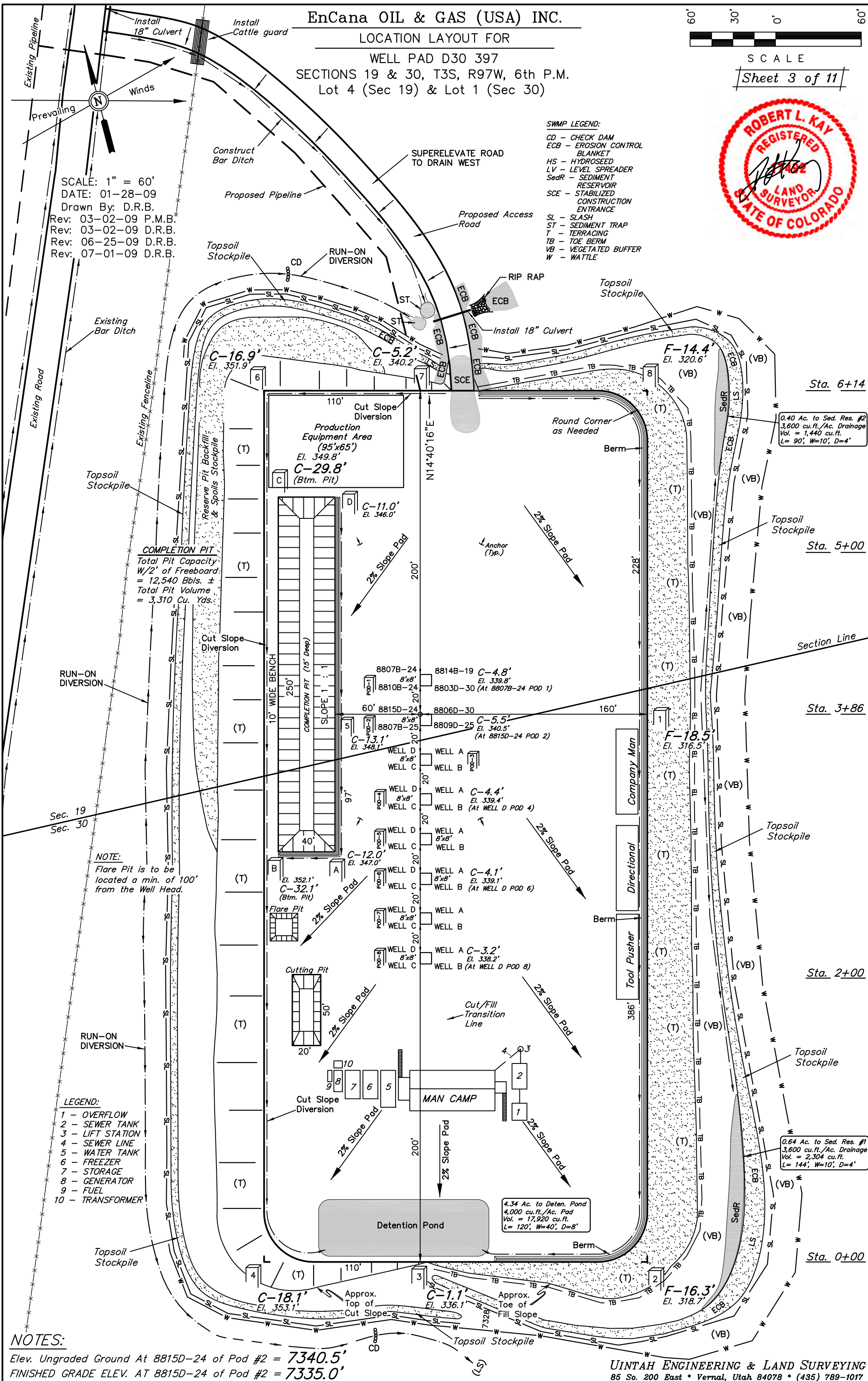
Sheet 3 of 11



SWMP LEGEND:

- CD - CHECK DAM
- ECB - EROSION CONTROL BLANKET
- HS - HYDROSEED
- LV - LEVEL SPREADER
- SedR - SEDIMENT RESERVOIR
- SCE - STABILIZED CONSTRUCTION ENTRANCE
- SL - SLASH
- ST - SEDIMENT TRAP
- T - TERRACING
- TB - TOE BERM
- VB - VEGETATED BUFFER
- W - WATTLE

SCALE: 1" = 60'
DATE: 01-28-09
Drawn By: D.R.B.
Rev: 03-02-09 P.M.B.
Rev: 03-02-09 D.R.B.
Rev: 06-25-09 D.R.B.
Rev: 07-01-09 D.R.B.



EnCana OIL & GAS (USA) INC.

PRE-CONSTRUCTION LAYOUT FOR

WELL PAD D30 397

SECTIONS 19 & 30, T3S, R97W, 6th P.M.
Lot 4 (Sec 19) & Lot 1 (Sec 30)



SCALE

Sheet 3a of 11



SCALE: 1" = 60'

DATE: 01-28-09

Drawn By: D.R.B.

Revised: 03-16-09 D.R.B.

Revised: 06-25-09 D.R.B.

Revised: 07-01-09 D.R.B.

Proposed Pipeline

Access Road

Wattle

Section Line

Wattle

Wattle

Sec. 19
Sec. 30

N14°40'16"E

228'

386'

- | | |
|----------|----------|
| 8807B-24 | 8814B-19 |
| 8'x8' | |
| POD-1 | 8803D-30 |
| 8810B-24 | |
| 20' | |
| 60' | 8815D-24 |
| 8'x8' | 8806D-30 |
| POD-2 | 8807B-25 |
| 20' | 8809D-25 |
| 20' | |
| WELL D | WELL A |
| 8'x8' | POD-3 |
| WELL C | WELL B |
| 20' | |
| WELL D | WELL A |
| 8'x8' | POD-4 |
| WELL C | WELL B |
| 20' | |
| POD-5 | WELL A |
| WELL D | WELL B |
| 8'x8' | |
| WELL C | |
| 20' | |
| POD-6 | WELL A |
| WELL D | WELL B |
| 8'x8' | |
| WELL C | |
| 20' | |
| POD-7 | WELL A |
| WELL D | WELL B |
| 8'x8' | |
| WELL C | |
| 20' | |
| POD-8 | WELL A |
| WELL D | WELL B |
| 8'x8' | |
| WELL C | |
| 20' | |

EnCana OIL & GAS (USA) INC.

TYPICAL CROSS SECTIONS FOR

WELL PAD D30 397
SECTIONS 19 & 30, T3S, R97W, 6th P.M.
Lot 4 (Sec 19) & Lot 1 (Sec 30)

Sheet 4 of 11

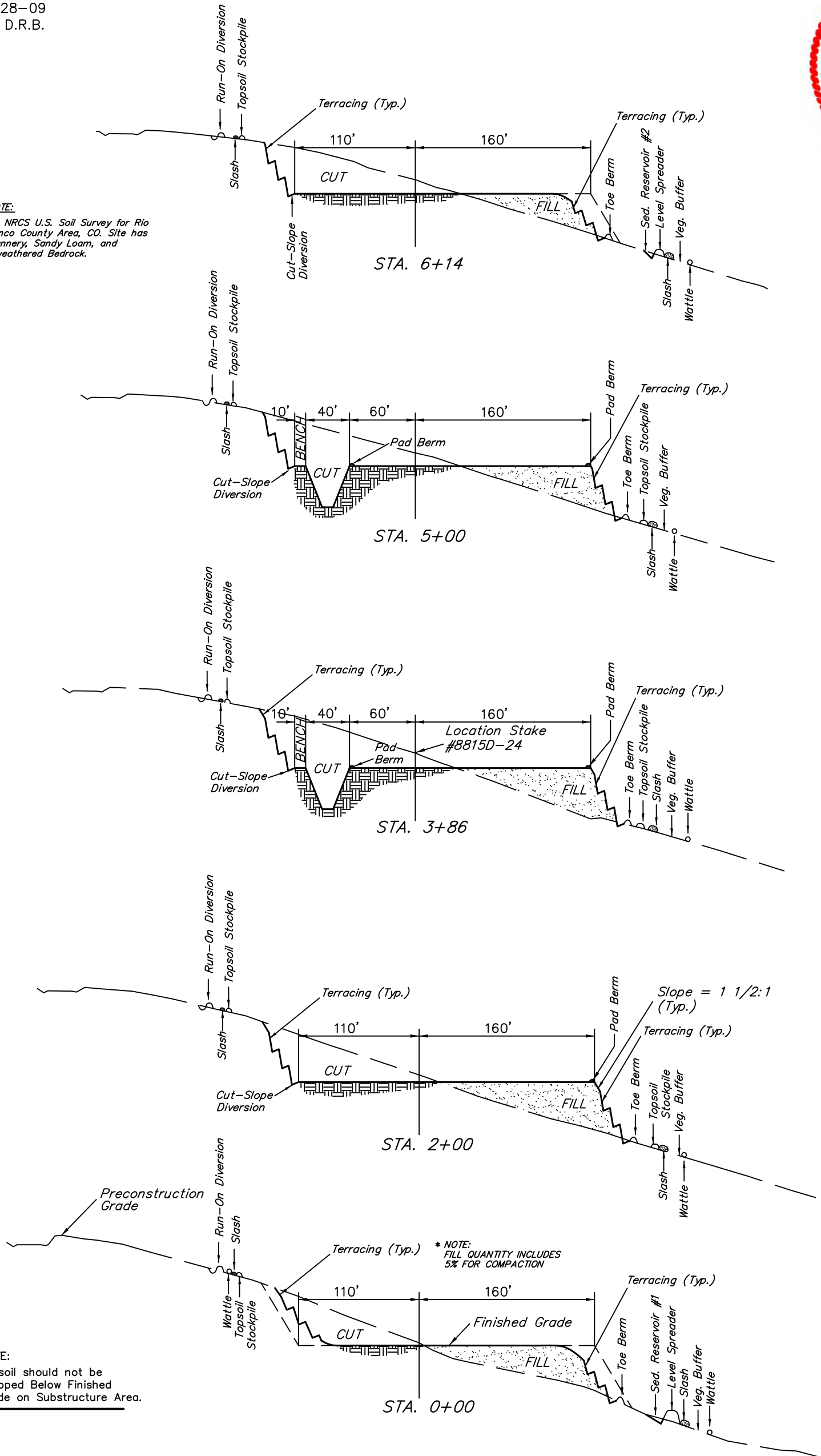
1" = 40'
X-Section
Scale
1" = 100'

DATE: 01-28-09
Drawn By: D.R.B.



NOTE:

Per NRCS U.S. Soil Survey for Rio Blanco County Area, CO. Site has Channery, Sandy Loam, and Unweathered Bedrock.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 4,160 Cu. Yds.
Remaining Location = 37,030 Cu. Yds.

TOTAL CUT = 41,190 CU.YDS.

FILL = 35,370 CU.YDS.

EXCESS MATERIAL = 5,820 Cu. Yds.

Topsoil & Pit Backfill = 5,820 Cu. Yds.
(1/2 Pit Vol.)

EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

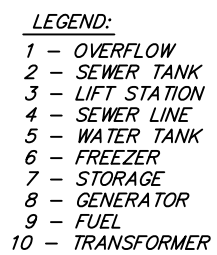
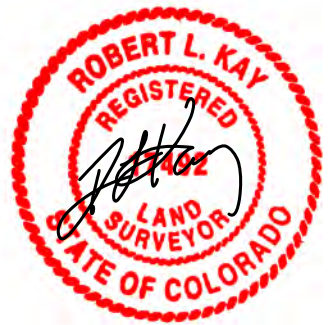
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

60' 30' 0' 60'



Sheet 5 of 11

Revised: 07-01-09 D.R.B.



EnCana OIL & GAS (USA) INC.

PRODUCTION SCHEMATIC FOR

WELL PAD D30 397

SECTIONS 19 & 30, T3S, R97W, 6th P.M.

Lot 4 (Sec 19) & Lot 1 (Sec 30)

60' 30' 0' 60'



SCALE

Sheet 6 of 11



SCALE: 1" = 60'

DATE: 01-28-09

Drawn By: D.R.B.

Revised: 03-02-09 D.R.B.

Revised: 03-16-09 D.R.B.

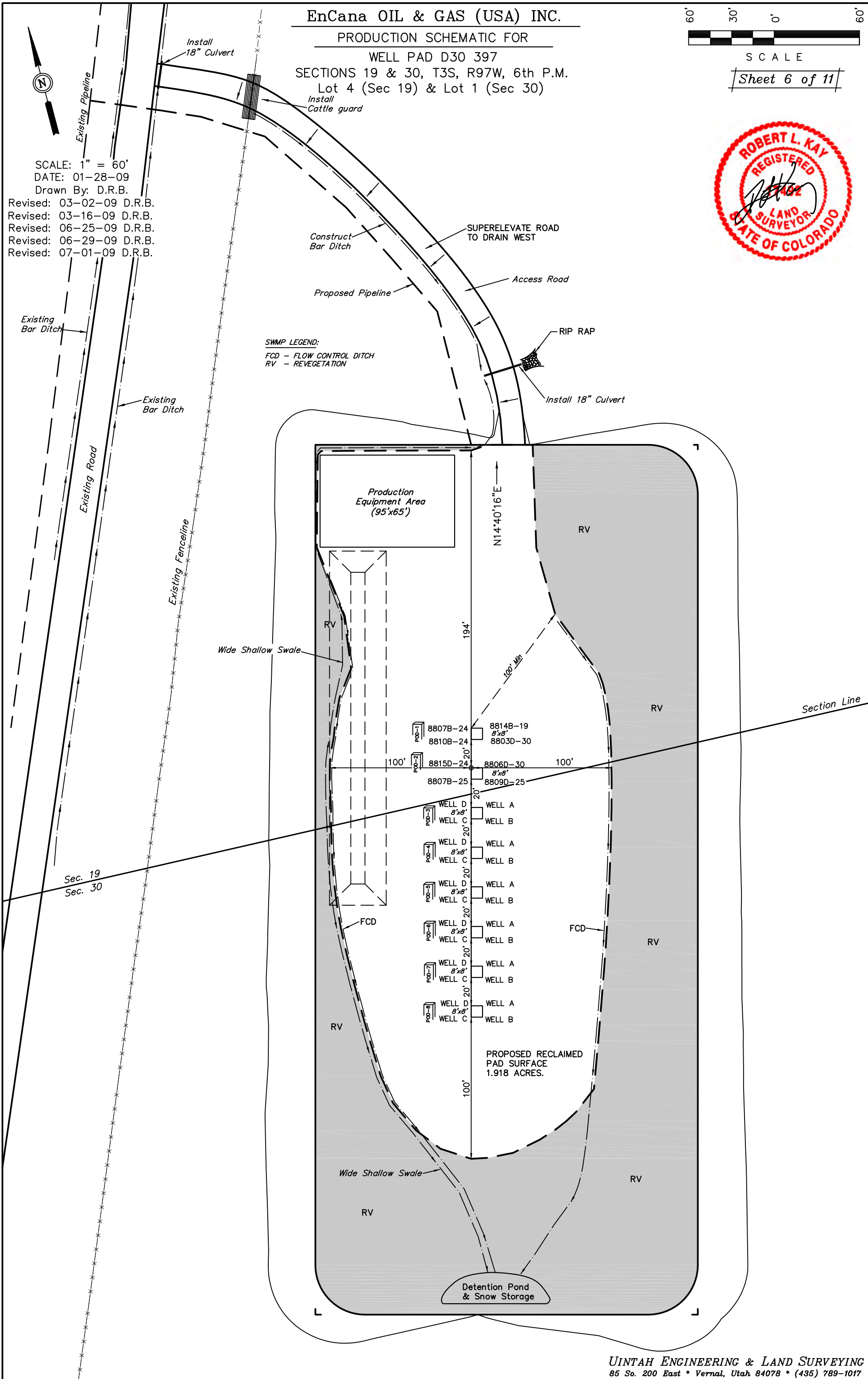
Revised: 06-25-09 D.R.B.

Revised: 06-29-09 D.R.B.

Revised: 07-01-09 D.R.B.

SWAMP LEGEND:

FCD - FLOW CONTROL DITCH
RV - REVEGETATION



85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

EnCana OIL & GAS (USA) INC.
WELL PAD D30 397
SECTIONS 19 & 30, T3S, R97W, 6th P.M.

PROCEED IN A WESTERLY, THEN SOUTHERLY DIRECTION FROM MEEKER, COLORADO ALONG COUNTY ROAD 13 APPROXIMATELY 22.7 MILES TO THE JUNCTION OF THIS ROAD AND PICEANCE CREEK ROAD OR COUNTY ROAD #5 TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 23.1 MILES TO THE JUNCTION OF THIS ROAD AND BLACK SULPHUR CREEK OR COUNTY ROAD #26 TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND FAWN CREEK OR COUNTY ROAD #29 TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD #87 TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD #69 TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 5.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MEEKER, COLORADO TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.5 MILES.