

LEASE NUMBER -  
Fed. Carney D-032678

12 POINT SURFACE USE PLAN

# CARNEY 45X35

API# applied for with COGCC

LOCATED IN

RANGELY WEBER SAND UNIT  
*38' FNL & 2487' FWL (NE NW) Section 35, T2N, R102W, 6th PM*

RIO BLANCO COUNTY, COLORADO

CHEVRON USA, Inc  
CARNEY 45X35

NOVEMBER 18, 2011

LAT / LONG 40.106717 / -108.811069

## 1. EXISTING ROADS

See attached Topographic Map "A" & "B" and attached full Rangely Weber Sand Unit (COC 47675X) field map referenced as "ROAD MAP". Please note on "Addendum to Legal Plat" this location will be built just off the existing lease road.

To reach CHEVRON proposed CARNEY 45X35 location - Proceed west out of Rangely, Colorado on Colorado State Highway 64 approximately 1.3 miles, turn North on Chevron lease road, proceed 1.5 miles to well location.

All of the improved surface roads in the area are maintained by Chevron or its subcontractors. This maintenance consists of some minor grade work for smoothing of road grades and for snow removal by road maintainers with dozer blades and other contractor's equipment as required.

Chevron will follow guidelines from BLM Gold book Road Maintenance page 30, "Maintenance activities normally required include monitoring, blading, surface replacement, dust abatement, spot repairs, slide removal, ditch cleaning, culvert cleaning, litter cleanup, noxious weed control, and snow removal. When applicable, specific areas shall be identified in the road maintenance plan for disposal of slide material, borrow or quarry sites, stock piles, or other uses that are needed for the project. Key maintenance considerations include regular inspections; reduction of ruts and holes; maintenance of crowns and out slopes to keep water off the road; replacement of surfacing materials; clearing of sediment blocking ditches and culverts."

Copies of BLM Manual 9113 have been distributed to Chevron facility engineers and Chevron facility reps to utilize for any new road construction and maintenance standards. Chevron will build and maintain roads to 9113 standards.

## 2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road is along an existing lease road - no new roads lease will need to be constructed. The proposed access road will be about 150' long by 20' wide or approximately 0.063 acres. On the existing lease roads there are no major cuts, a center crown to the road will allow for drainage to side ditches that will be excavated to a depth of 1 foot minimum below the finished road surface. The well location access road is clearly clear marked on TOPO Map B. Pit run will be used for road surfacing material. Pit run is ordered and supplied by Ace West Trucking Inc (970-675-2753) 15762 Hwy 64, Rangely, CO 81648 and / or Urie Rock Company (970-675-5766) 2424 East Main, Rangely, CO 81648. There are no fences on the property. Installing gates, cattle guards, or cutting fences will not be required. The terrain that is traversed by this road is relatively flat and is vegetated with sparse amounts of sagebrush and grasses. Turn outs will not be required.

BLM approval shall be requested to continue operations should the surface become saturated to a depth of three (3) inches.

## 3. EXISTING WELLS See Topographic Map "C" with attached well list.

There are numerous wells within a one mile radius of this location. COGCC mapping shows a total of 79 active wellbores in the one mile radius. Attached is a full list of all wells within the one mile radius, list is from the COGCC website. No wells will be used for water source or for monitoring.

## 4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There will be ONE flow line (see TOPO D). This line will transport hydrocarbon fluids from the new well to existing pipeline south of wellsite. This flow line would consist of 4 inch fiberglass pipe rated at 1000 psi. This line would run about 1676' feet in length and would be constructed and installed in a trench, offset (for safety) and parallel to an existing line. Pipe lines will be buried 4 feet below the active channel bottom of all drainage channels. Please see the "Addendum to Legal Plat", existing pipeline is highlighted in green, proposed pipeline is highlighted in yellow. A typical right of way would be 20 foot either side of staked markers at a depth of 42 inches. The right of way will be fully reclaimed to current BLM specifications and stipulations. No additional Sundry notification will be submitted for this pipeline. Flowline approval will be assumed with the approval of the CARNEY 45X35 3160-3.

All existing facilities maps are on file with the BLM - Meeker office. A complete set is of the oil (FLOWLINES), water (PROD. WATER) and gas (LP GAS GATHERING) gathering system maps can be resubmitted if requested. All the produced fluids will be transported via pipeline to the collection station (Collection Station #34) to the southwest.

All permanent facilities placed on the location will be painted Carlsbad Canyon Brown to blend with the natural environment. The well cellar will be covered with steel grating and no hazards will exist for livestock or wildlife.

Updated geospatial data was emailed to Brett Smither with BLM on 11/11/2011

## 5. LOCATION OF AND TYPE OF WATER SUPPLY AND FUEL GAS

Fresh water required for boilers and other needs will be trucked from Chevron's Main Water Treatment Plant. Chevrons Main Water Treatment Plant is located at NESE Section 32,T2N,R102W, 6TH P.M. A quarter of a mile off Colorado Hiway 64 on a Chevron owned lease road. Water will trucked from the Water Plant 4 and half miles East on Hiway 64 to the Carney 45x35 location lease road turn off to the North, then 1 1/2 miles to the well site. Please see attached "Roads" map, the route is highlighted in green. The estimated amount of water to be used during construction (minimal - 100 bbls), drilling (3000 bbls), fracing (10,000 bbls) and dust abatement (1500 bbls).

Diesel fuel for the drilling rig generators will be kept on location in a properly installed above ground diesel tank. (See "TYPICAL RIG LAYOUT - FUEL TRAILER"). Containment area will be engineered to contain 110% of calculated volumes.

There will be no water well drilled on the location to support the water needs for this well.

## 6. SOURCE OF CONSTRUCTION MATERIALS

Extra gravels, sand, or road base will be acquired from Ace West Trucking Inc, 15672 US Hwy 64, Rangely 675-2753 gravel pits, which are privately owned or leased from the Bureau of Land Management (BLM).

## 7. METHODS FOR HANDLING WASTE DISPOSAL

A closed - loop drilling system will be utilized, using a cuttings catch pit, dewatering system, centrifuge system and additional fluid storage. The cuttings pit (reserve pit as indicated on Figure #3) will be 11 feet deep, 30 feet wide, and 130 feet long with 10 foot wide bench with a 1 1/2 :1 slope. The cuttings will be placed in a pit on site and buried.

The construction of this cuttings pit will be constructed to BLM Gold Book standards; the pit will not be located in any natural water course. The pit will be constructed totally in the cut, with at least 50 percent of the pit below ground level, and the dike will be properly compacted. No liner will be used for the cuttings pit. Cuttings will be buried in the cutting pit, with 3 feet of fill. Prior to burial of cuttings, if any (none anticipated) liquid oil or water will be trucked to the Chevron Main Water Plant, to be filtered, separated and water will be re- injected into the Weber formation. Oil will be skimmed at the Main Water Plant and pipelined to an oil gathering collection station. Minimal materials will be taken to RNI (see contact information below) for disposal (such as frac sand cleaned out during completion). The pits will be fenced with 32" to 48" high woven wire to protect wildlife and domestic animals. Netting will be installed to prevent access by migratory birds. After the completion rig finishes, and the reserve pit is covered then the surface is contoured to conform to surrounding terrain.

Any waste products will be handled by RN Industries, 244 West Hwy 40, Roosevelt, Utah 84066 Dale Price 435-722-2800.

Trash will be confined in a covered container. After the rig is moved off the location the well site will be cleaned and all refuse removed by Rangely Trash Service 675-2878, and hauled to the approved landfill in Rio Blanco County.

A portable toilet will be supplied for human waste. Redi Services LLC, 235 County Rd 15, Meeker Colorado 970-878-4444 services toilets and removes portable toilet waste.

## 8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

## 9. WELL SITE LAYOUT     See Figure #1 & Figure #2

The White River Resource Area Manager shall be notified 24 hours in advance before any construction begins on the proposed location site.

Weldon's Construction (Bret Weldon 435-789-3324) company will be contracted to build well pad using graders, dozers and dump trucks, any extra gravels, sand, or road base will be acquired from Ace West Trucking Inc, 15672 US Hwy 64, Rangely 675-2753 gravel pits. Facility engineers plan to bury a French drain in the diversion ditch on the north side of location. The ditch would be backfilled with gravel and sloped to ensure drainage. Division ditches will be run on the west side of location to ensure proper drainage. See Figure #4. Site map indicates the topsoil stock pile area to be seeded with BLM approved mix, and placement of diversion ditch w/ check dams. Best Management Practices, are outlined on the SWMP, along with the estimated surface disturbance. Wells site disturbance estimated to be 1.6 acres.

Please note there are no drilling rig anchors planned for this drilling location. Rig anchors will be installed after the well is drilled and the drilling rig leaves well site. Placement of the anchors to be determined by Benco Anchor Service Company based on well site soil conditions and the traffic flow to the new well and completion rig specifications.

## 10. PLANS FOR RESTORATION OF SURFACE

Plan for cutting pit reclamation – Cuttings will be buried in the cutting pit, with 3 feet of fill. Prior to burial of cuttings, any liquid oil or water will be trucked to the Chevron Main Water Plant. Test will be performed to insure soil meets COGCC 910-1 standards and all requirements stipulated in COGCC Rule 1003.d.

Clean up and rehabilitation operations will begin as soon as the well is completed and within the time frames and requirements established under COGCC Rules 1003 and 1004 for Interim and Final Reclamation.

Plan for interim reclamation see Figure #4– Interim reclamation consists of minimizing the footprint of disturbance by reclaiming those portions of the well site not needed for production operations. All disturbed areas affected by drilling or subsequent operations, except areas reasonably needed for production operations, shall be reclaimed as part of the interim reclamation process. The portion of the well site not needed for operations and safety purposes is to be re-graded to a final or intermediate contour that blends with the surrounding topography as much as possible. In addition, pad reclamation is accomplished by replacing stockpiled top soil, construction of sediment and erosion controls, and seeding of disturbed areas to reestablish cover vegetation. The access roads will be maintained as necessary to prevent soil erosion, and accommodate year round traffic. Maintenance activities will include blading of the road to remove ruts, surface replacement, spot repairs, ditch cleaning, and snow removal. Maintenance of crowns and out slopes to keep water off the road.

Sediment controls will typically dominate the early stages of reclaiming disturbed areas impacted by construction. As the reclamation work proceeds and the contour of the site are completed, more permanent structural and non-structural BMPs will be implemented to control erosion and re-establish vegetation.

Selection of BMPs is dependent on site specific conditions including soil types, topography, and other environmental factors including proximity to surface waters and surrounding vegetation. A summary of the BMPs typically utilized is provided in the attached Appendix. The attachment includes information on specific BMPs including where and when to use them, their limitations, along with construction details and maintenance requirements. APPENDIX – Rangely Weber Sand Unit – Typical Storm –Water Best Management Practice (BMP) Details. (The document has been digitally submitted to BLM WRFO and is on file).

Re-vegetation efforts will include re-contouring disturbed areas not needed for well production to blend with surrounding topography and re-spreading topsoil to an adequate depth. The seedbed will be prepared by disking following the natural contour. Drill seed on contour at a depth no greater than 1/2 inch. In areas that cannot be drilled, broadcast at double the seeding rate and harrow seed into soil. Certified seed - BLM approved - as represented - will be used..

### BLM Seed mix #8

	Viva Florets	Galleta Grass	<i>Pleuraphis jamesii</i>	3
	Rimrock	Indian Ricegrass	<i>Achnatherum hymenoides</i>	3
	Toe Jam Creek	Bottlebrush Squirreltail	<i>Elymus elymoides</i>	2.5
	Rosanna	Western Wheatgrass	<i>Pascopyrum smithii</i>	4
8		Scarlet Globemallow	<i>Sphaeralcea coccinea</i>	0.25
		Annual Sunflower	<i>Helianthus annuus</i>	2.5
		Mat Saltbush	<i>Atriplex corrugata</i>	2
	Alternates:*			
	UP Plateau	Sandberg Bluegrass	<i>Poa secunda ssp. sandbergii</i>	0.5
		Fernleaf Biscuitroot	<i>Lomatium dissectum</i>	3
		Shadscale	<i>Atriplex confertifolia</i>	2

Re-vegetation efforts will also include the treatment of weeds by a contracted weed sprayer, Rocky Mountain Weed Management, 970-675-5656. The site will be kept free of State listed A&B noxious weeds and weeds/invasive species up until the Final Reclamation of the location is attained and approved.

All Storm Water Discharge Permitting Regulations and BMP's currently required by the State of Colorado will be strictly complied with, including all inspection and ongoing BMP maintenance requirements. To minimize sedimentation of drainage channels and wetlands during the interim period between construction activity and final reclamation, temporary erosion and sediment control measures should be applied." Secondary containment area will be utilized in chemical and product storage areas using earthen berm and dikes that will be engineered to handle 150% of calculated volumes per Chevron policy. The Rangely Weber Sand Unit - Spill Prevention Control and Countermeasure Plan has been submitted to BLM WRFO and is on file.

Plan for final reclamation: Following the production life of the well site, all production facilities will be removed and the site reclaimed and contoured to conform to the surrounding terrain. All excavations and pits must be closed by backfilling when they are dry and free of waste. The White River Resource Area Manager will be notified at least 24 hours prior to commencing reclamation work.

The well(s) will be plugged and abandoned in accordance with COGCC requirements to protect freshwater aquifers. Chevron will notify the WRFO 24 hours prior to any final reclamation activities. Rig anchors will be pulled and removed from location. The access road will be reshaped as closely as possible to the original contour, covered with topsoil, and reseeded.

Storm water BMPs will be utilized in the reclamation efforts to control sediment runoff and erosion. Selection of BMPs is dependent on site specific conditions including soil types, topography, and other environmental factors including proximity to surface waters and surrounding vegetation. A summary of the BMPs typically utilized is provided in the attached Appendix. The attachment includes information on specific BMPs including where and when to use them, their limitations, along with construction details and maintenance requirements.

The well pad will be restored and re-vegetated as soon as practicable. Topsoil is to be re-spread over the entire disturbed site to ensure successful re-vegetation. The top soiled site will be prepared to provide a seedbed for re-establishment of vegetation. The seedbed will be prepared by disking following the natural contour. Drill seed on contour at a depth no greater than 1/2 inch. Fall seeding must be completed after September 1, and prior to prolonged ground frost.

Final reclamation (COGCC Rule 1004) will be completed once a uniform vegetative cover has been established that reflects pre-disturbance or reference area forbs, shrubs, and grasses with a total percent plant cover of at least 80% of pre-disturbance levels.

## 11. SURFACE OWNERSHIP

A check of the records indicates that the surface owner is Bureau of Land Management. Local BLM office address – BLM White River Field Office, 220 East Market Street, Meeker, Colorado 81640, 970-878-3800

## 12. OTHER INFORMATION

a) The Chevron will contact either the petroleum engineer or petroleum engineering technician 24 hours prior to the following operations:

- Construction of well site
- spudding (including dry hole digger or rat hole rig)
- running and cementing of all casing strings
- pressure testing of BOPE or any casing string
- Surface reclamation work.
- commencing completion operations.

b) Chevron will be responsible for informing all persons who are associated with the project operations that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. During operations, if discoveries of any cultural remains, monuments or sites, or any object of antiquity subject to the Antiquities Act of June, 1906 (34 Stat. 225; 16 U.S.C. Secs 431-433), the Archaeological Resources Protection Act of 1979 (PL 96-95), and 43 CFR, Part 3, operations will immediately cease and will be reported directly to the Area Manager. In cases where salvage excavation is necessary, the cost of such excavation shall be borne by the Operator, unless otherwise agreed upon. There are no known archeological, historic, or cultural sites in the immediate area. Much of the Unit area, over the past ninety three years, has been subjected to surface disturbance by roads, pipelines, and other producing surface facilities, and the probability of finding any artfactual remains or architecture of archeological significance is remote. An archeological study of the Rangely Unit area has been conducted and clearance given. A new archaeologist's report has been request for this well site. c) Pursuant to 43 CFR 10.4(g) Chevron will notify the authorized officer (AO), by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, scared objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4 (c) and (d), Chevron will stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the authorized officer. d) If paleontological materials (fossils) are uncovered during project activities, Chevron will immediately stop activities that might further disturb such materials, and contact the authorized officer (AO). The operator and the authorized officer will consult and determine the best option for avoiding or mitigating paleontological site damage.

e) An H2S Contingency Plan for this field is on file with the BLM. – Copy of the "Chevron Drilling – RWSU COC47675X Hydrogen Sulfide Contingency Plan" is included with this permit.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE and CERTIFICATION

**Application for Permit to Drill  
Certifying Statement**

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 the 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.

Executed this Day: \_\_\_\_\_

Name: \_\_\_\_\_

Printed Name: Jeff Roedell\_\_\_\_\_

Position Title: Technical Team Leader\_\_\_\_\_

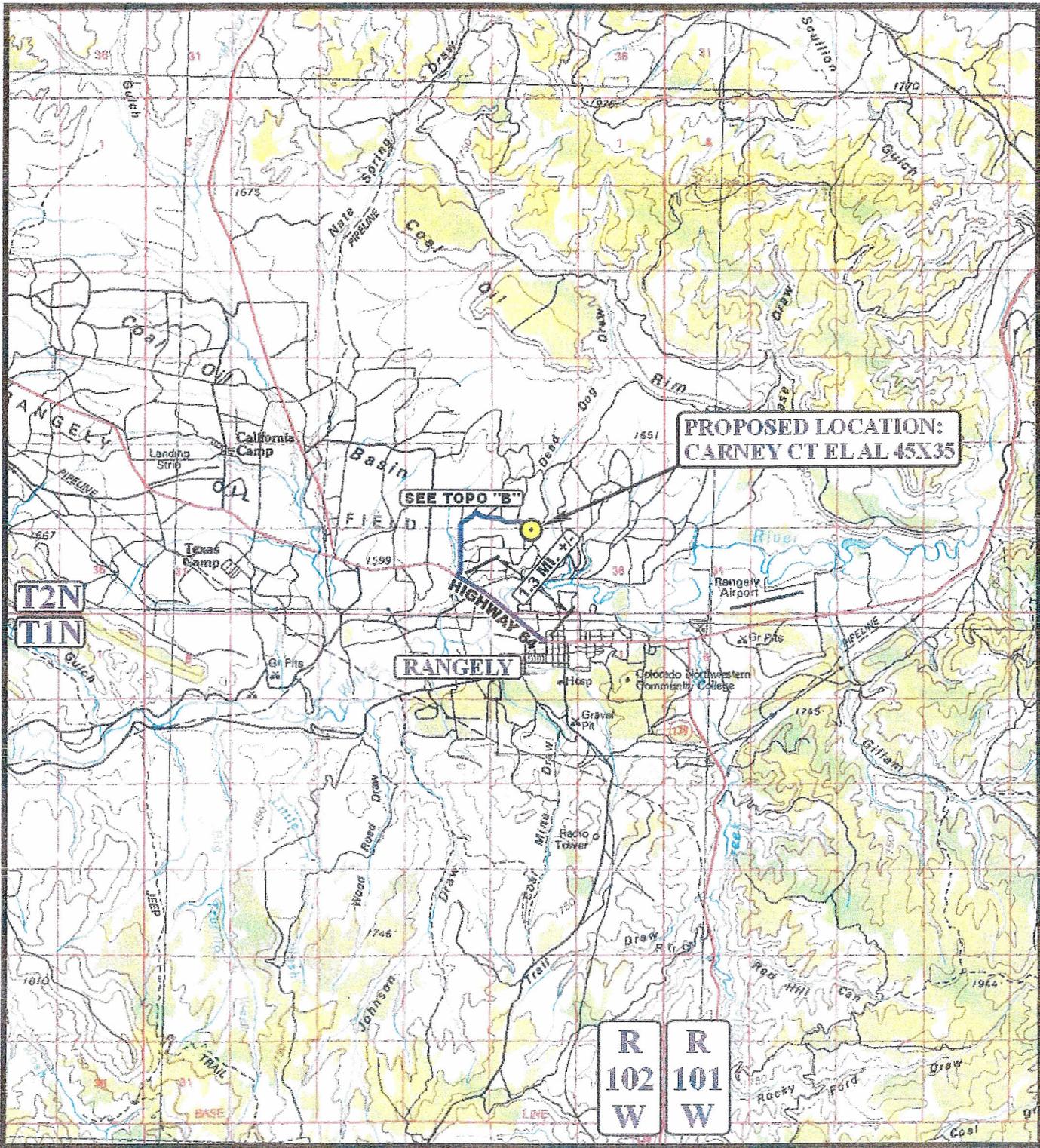
Address: 100 Chevron Road, Chevron Rd, Rangely CO 81648\_\_\_\_\_

Telephone: 970-675-3816\_\_\_\_\_

Field Representative: Luke Allred – Operations Supervisor\_\_\_\_\_

Address: 100 Chevron Rd, Rangely CO\_\_\_\_\_

Telephone: 970-675-3846\_\_\_\_\_



**PROPOSED LOCATION:  
CARNEY CT ELAL 45X35**

SEE TOPO "B"

**RANGELY**

**T2N  
T1N**

**R 102 W  
R 101 W**

**LEGEND:**

PROPOSED LOCATION



**CHEVRON U.S.A., INC.**

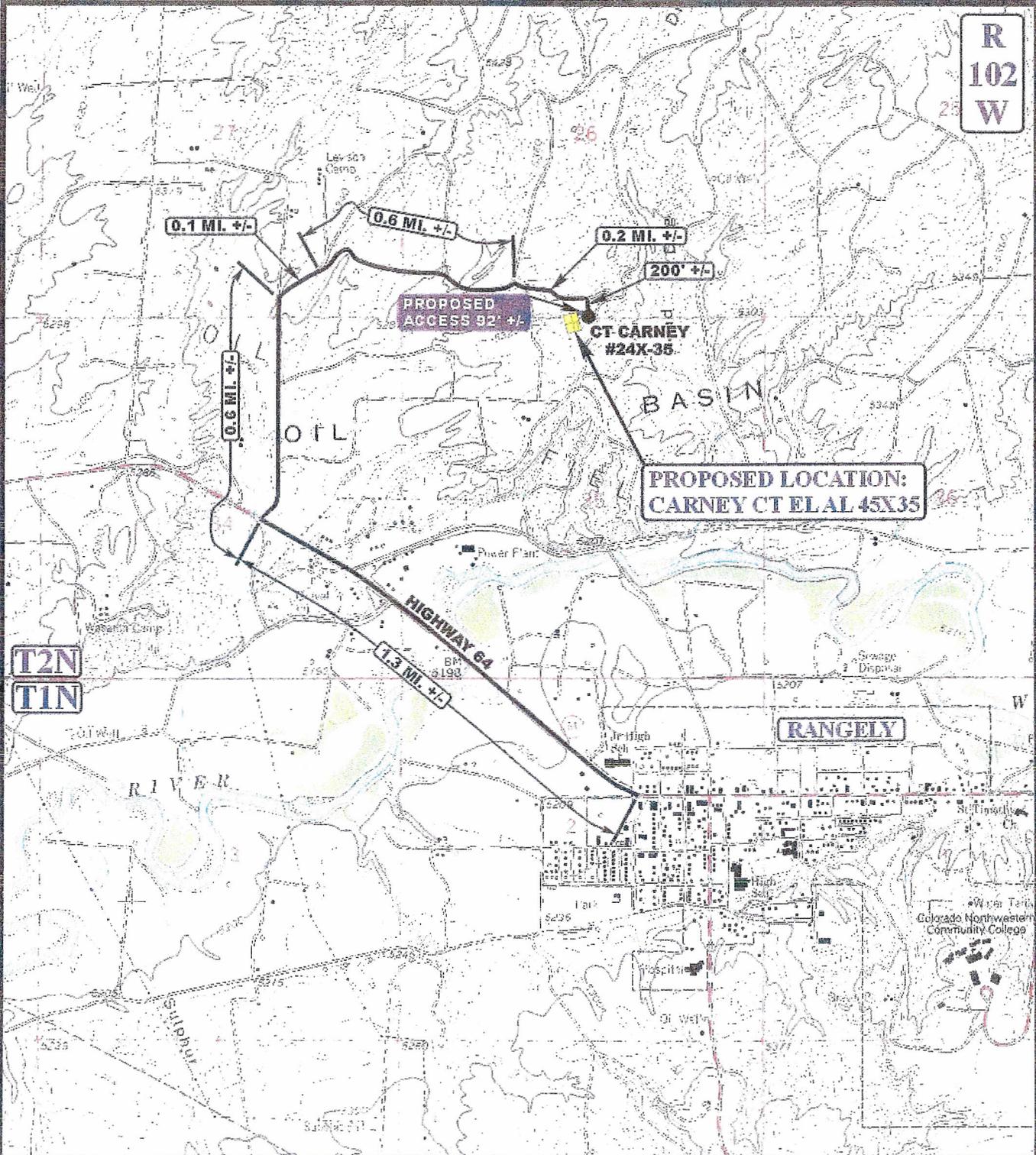
**CARNEY CT ELAL 45X35  
SECTION 35, T2N, R102W, 6th P.M.  
38' ENL 2487' FVL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

<b>ACCESS ROAD MAP</b>	<b>01</b>	<b>18</b>	<b>11</b>	
	MONTH	DAY	YEAR	
SCALE: 1:100,000	DRAWN BY: J.J.		REVISED: 09-02-11	<b>TOPO</b>

R  
102  
W



T2N  
T1N

RANGELY

**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD



**CHEVRON U.S.A., INC.**

**CARNEY CT ELAL 45X35**  
**SECTION 35, T2N, R102W, 6th P.M.**  
**38' FNL 2487' FWL**

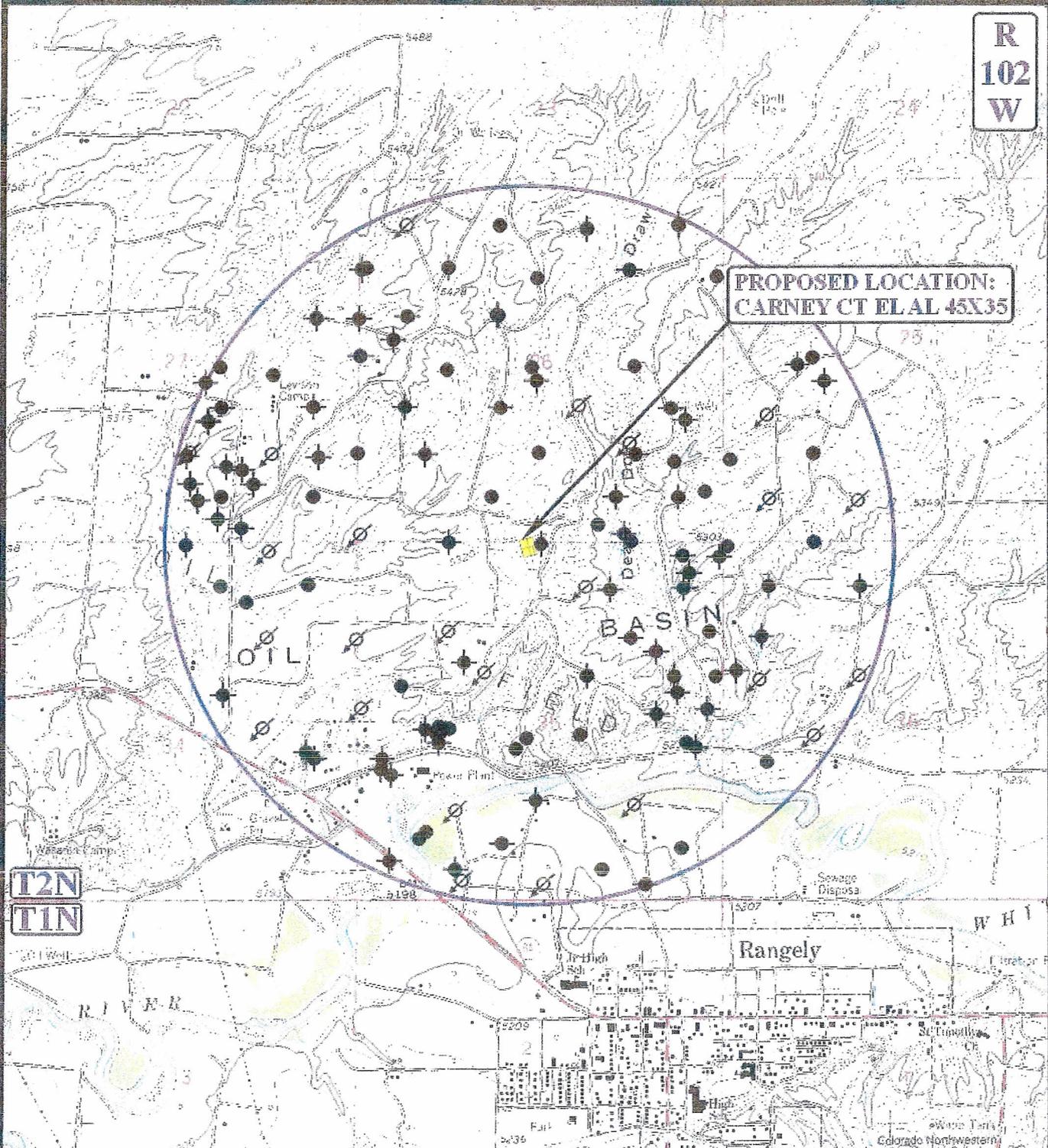
**U&S**  
**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD**  
**MAP**  
 01 | 18 | 11  
 MONTH | DAY | YEAR  
 SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 09-02-11

**B**  
TOPO

R  
102  
W

PROPOSED LOCATION:  
CARNEY CT EL AL 45X35



T2N  
T1N

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⊙ SHUT IN WELLS
- ⊗ WATER WELLS
- ⊙ ABANDONED WELLS
- ⊙ TEMPORARILY ABANDONED

**CHEVRON U.S.A., INC.**

CARNEY CT EL AL 45X35  
SECTION 35, T2N, R102W, 6th P.M.  
33' FNL 2487' FWL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
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TOPOGRAPHIC  
MAP

01 18 11  
MONTH DAY YEAR

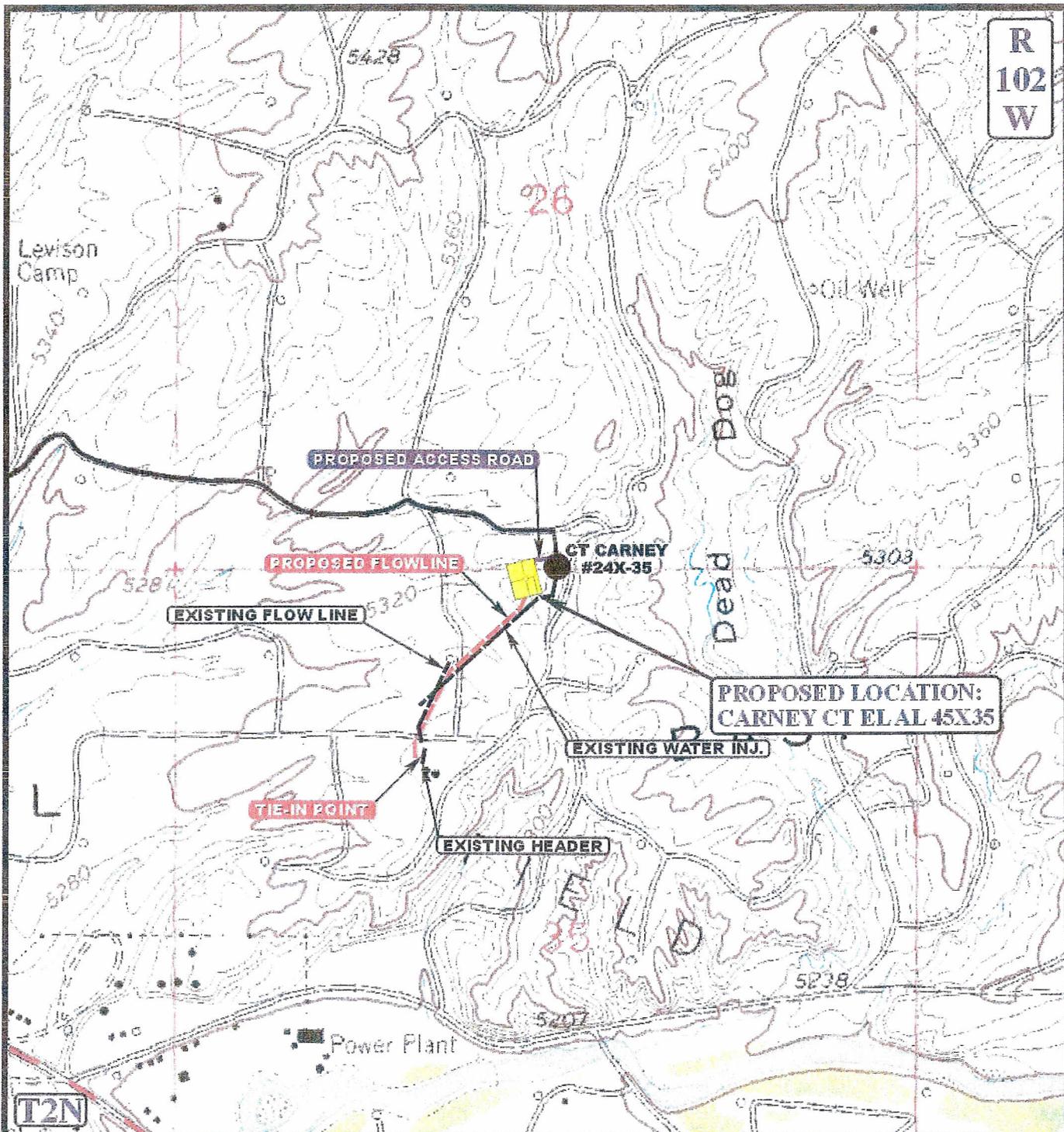
SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 09-02-11



WELL DESCRIPTION	LOCATION	WELL INFORMATION		
<u>05-103-01059, RECTOR 7</u>	NWSW 35	0	6380 WEBR	PA
<u>05-103-01064, LARSON, M B C2-25</u>	SESW 25	0	6493 WEBR	PA
<u>05-103-06196, LEVISON 16</u>	NWNE 26	0	6547 WEBR	PA
<u>05-103-01040, CARNEY C T 8-34</u>	NWNE 34	0	6425 WEBR	PR
<u>05-103-06298, LARSON, F V B-4</u>	NWNW 36	0	6445 WEBR	SI
<u>05-103-07283, CARNEY C T 24X35</u>	NWNE 35	0	6527 WEBR	SI
<u>05-103-06286, LEVISON 9</u>	SWNW 26	0	6551 WEBR	TA
<u>05-103-06020, COLTHARP W H A-2</u>	NESW 35	0	6219 WEBR	AB
<u>05-103-06215, LEVISON 5</u>	SENE 27	0	6450 WEBR	AB
<u>05-103-07245, CARNEY 22 X 35</u>	SWNE 35	0	6423 WEBR	CM
<u>05-103-05486, CARNEY 9-35</u>	NENW 35	0	WEBR	IJ
<u>05-103-06022, COLTHARP J E 4</u>	NESE 35	0	6342 WEBR	IJ
<u>05-103-06194, LEVISON 13</u>	NWNW 26	0	6785 WEBR	IJ
<u>05-103-06295, CARNEY C T 18-35</u>	SENE 35	0	6438 WEBR	IJ
<u>05-103-06299, LARSON, F V B-10</u>	SWNW 36	0	6380 WEBR	IJ
<u>05-103-07033, CARNEY C T 21 X 35</u>	CNW 35	0	6445 WEBR	IJ
<u>05-103-07262, CARNEY C T 23X-35</u>	SWNW 35	0	6422 WEBR	IJ
<u>05-103-07351, LEVISON 30X</u>	SENE 27	0	6532 WEBR	IJ
<u>05-103-07415, CARNEY C T 25 X 34</u>	NENE 34	0	6417 WEBR	IJ
<u>05-103-07475, LEVISON 32X</u>	SESE 27	0	6472 WEBR	IJ
<u>05-103-07526, CARNEY C T 30 X 34</u>	SENE 34	0	6460 WEBR	IJ
<u>05-103-07586, LEVISON 34X</u>	SWSW 26	0	6549 WEBR	IJ
<u>05-103-07593, CARNEY C T 35X-34</u>	SENE 34	0	6516 WEBR	IJ
<u>05-103-01025, LARSON, F V B-9</u>	NENE 35	0	6391 WEBR	PA
<u>05-103-05604, LEVISON 4</u>	NWSW 26	0	6481 WEBR	PA
<u>05-103-06216, LEVISON 3</u>	NESE 27	0	6402 WEBR	PA
<u>05-103-06300, LARSON, F V "B" 7</u>	NENW 36	0	6495 WEBR	PA
<u>05-103-07450, C T CARNEY 26X-35</u>	NWNW 35	0	6439 WEBR	PA
<u>05-103-09117, CARNEY 40X35</u>	SENE 35	0	6610 WEBR	PA
<u>05-103-01009, F V LARSON B-12</u>	NWSE 35	0	WEBR	PR
<u>05-103-01030, LEVISON 8</u>	NESW 26	0	WEBR	PR
<u>05-103-01031, LEVISON 12</u>	SENE 26	0	6748 WEBR	PR
<u>05-103-01033, CARNEY C T 16-35</u>	SWNE 35	0	6468 WEBR	PR
<u>05-103-01062, LEVISON 6</u>	SESW 26	0	WEBR	PR
<u>05-103-05494, E RECTOR 1</u>	NESE 34	0	WEBR	PR
<u>05-103-05514, CARNEY 2-34</u>	SENE 34	0	WEBR	PR
<u>05-103-05559, CARNEY 4-34</u>	NENE 34	0	6425 WEBR	PR
<u>05-103-05579, FV LARSON B-13X</u>	NWNW 36	0	6417 WEBR	PR
<u>05-103-05591, LEVISON 1</u>	SESE 27	0	6416 WEBR	PR
<u>05-103-05593, LEVISON 2</u>	SWSW 26	0	WEBR	PR
<u>05-103-06044, CARNEY C T 19-34</u>	SWNE 34	0	WEBR	PR
<u>05-103-06197, LEVISON 7</u>	SWSE 26	0	WEBR	PR
<u>05-103-06202, LARSON, F V B-2</u>	SESE 26	0	6445 WEBR	PR
<u>05-103-06214, U P 17-27</u>	SWSE 27	0	WEBR	PR
<u>05-103-06293, C T CARNEY 7-35</u>	NWNW 35	0	WEBR	PR

<u>05-103-06296, LARSON, F V B-1</u>	SENE 35	0	6402	WEBR	PR
<u>05-103-06387, LEVISON 21X</u>	NESW 26	0		WEBR	PR
<u>05-103-06413, C T CARNEY 20X35</u>	NENW 35	0		WEBR	PR
<u>05-103-06414, F V LARSON B-14X</u>	NESE 35	0		WEBR	PR
<u>05-103-07008, F V LARSON GOV B-15X</u>	SENE 35	0	6324	WEBR	PR
<u>05-103-07024, F V LARSON B 16-X</u>	SESE 26	0		WEBR	PR
<u>05-103-07078, F V LARSON B-17X</u>	NENE 35	0	6420	WEBR	PR
<u>05-103-07083, F V LARSON B-18X</u>	NESE 26	0	6509	WEBR	PR
<u>05-103-07093, M B LARSON C8 X 25</u>	SWSW 25	0	6441	WEBR	PR
<u>05-103-07099, F V LARSON-GOV D 051900 B</u>	SENE 36	0		WEBR	PR
<u>05-103-07106, F/V LARSON B-19X</u>	NWSW 36	0	6440	WEBR	PR
<u>05-103-07110, M B LARSON D3 X 26</u>	SENE 26	0	6505	WEBR	PR
<u>05-103-07114, LEVISON GOV 24X</u>	NWSW 26	0	6590	WEBR	PR
<u>05-103-07123, LEVISON 23X</u>	SWSE 26	0	6380	WEBR	PR
<u>05-103-07159, M B LARSON C10 X 25</u>	SWSW 25	0		WEBR	PR
<u>05-103-07173, M B LARSON C11 X 25</u>	SWSW 25	0		WEBR	PR
<u>05-103-07177, M B LARSON D4 X 26</u>	SENE 26	0		WEBR	PR
<u>05-103-07222, LEVISON 25X</u>	NWSW 26	0	6542	WEBR	PR
<u>05-103-07242, F V LARSON B-23X</u>	NESW 35	0		WEBR	PR
<u>05-103-07250, W H COLTHARP A-5X</u>	SWSW 35	0		WEBR	PR
<u>05-103-07267, LEVISON 26X</u>	NESW 26	0	6447	WEBR	PR
<u>05-103-07270, M B LARSON C12 X 25</u>	SWNW 25	0		WEBR	PR
<u>05-103-07289, LEVISON 27X</u>	SESE 27	0		WEBR	PR
<u>05-103-07353, LEVISON 31X</u>	NWNW 26	0	6527	WEBR	PR
<u>05-103-07521, LEVISON 33X</u>	NESE 27	0		WEBR	PR
<u>05-103-08535, COLTHARP 9X</u>	SWSE 35	0		WEBR	PR
<u>05-103-08683, LEVISON 35X</u>	NWNE 26	0	6620	WEBR	PR
<u>05-103-08693, W.H.COLTHARP A-7X</u>	SESW 35	0	6454	WEBR	PR
<u>05-103-09099, W H COLTHARP A-8X</u>	NESW 35	0	6615	WEBR	PR
<u>05-103-09148, C.T. CARNEY 43Y34</u>	NWNE 34	0	6565	WEBR	PR
<u>05-103-09165, LARSON, F V 'B' 25X</u>	SENE 35	0	6651	WEBR	PR
<u>05-103-09199, RECTOR 12X</u>	SWSW 35	0	6561	WEBR	PR
<u>05-103-01028, COLTHARP W H A-4</u>	NESW 35	0	6350	WEBR	SI
<u>05-103-01032, CARNEY 17-35</u>	SWNW 35	0	6490	WEBR	SI
<u>05-103-01037, CARNEY C T 15-35</u>	NWNE 35	0	6472	WEBR	SI
<u>05-103-06186, LARSON, M B C1-25</u>	NWSW 25	0	6518	WEBR	SI
<u>05-103-06187, LARSON, M B C 3-25</u>	SWSW 25	0	6502	WEBR	SI
<u>05-103-06195, LEVISON 17</u>	NENW 26	0		WEBR	SI
<u>05-103-06198, LEVISON 11</u>	NWSE 26	0	6464	WEBR	SI
<u>05-103-06199, LEVISON 14</u>	SWNE 26	0	6600	WEBR	SI
<u>05-103-06200, LARSON, M B D1-26-E</u>	SENE 26	0	6429	WEBR	SI
<u>05-103-06201, LARSON, F V B-8</u>	NESE 26	0	6487	WEBR	SI
<u>05-103-07089, LEVISON 22X</u>	NWNW 26	0		WEBR	SI
<u>05-103-07320, LEVISON 29X</u>	NESW 26	0	6605	WEBR	SI
<u>05-103-07537, CARNEY C T 29 X 34</u>	NWSE 34	0		WEBR	SI

R  
102  
W



APPROXIMATE TOTAL PIPELINE DISTANCE = 1.676' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED FLOWLINE



**CHEVRON U.S.A., INC.**

**CARNEY CT EL AL 45X35**  
**SECTION 35, T2N, R102W, 6th P.M.**  
**38' FNL 2487' FWL**



Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 • FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**01** | **18** | **11**  
 MONTH | DAY | YEAR

SCALE: 1" = 1000'

DRAWN BY: J.J.

REVISED: 09-02-11



**CHEVRON U.S.A., INC.**  
 TYPICAL RIG LAYOUT FOR  
 CARNEY CT EL AL 45X35  
 SECTION 35, T2N, R102W, 6th P.M.  
 38' FNL 2487' FWL

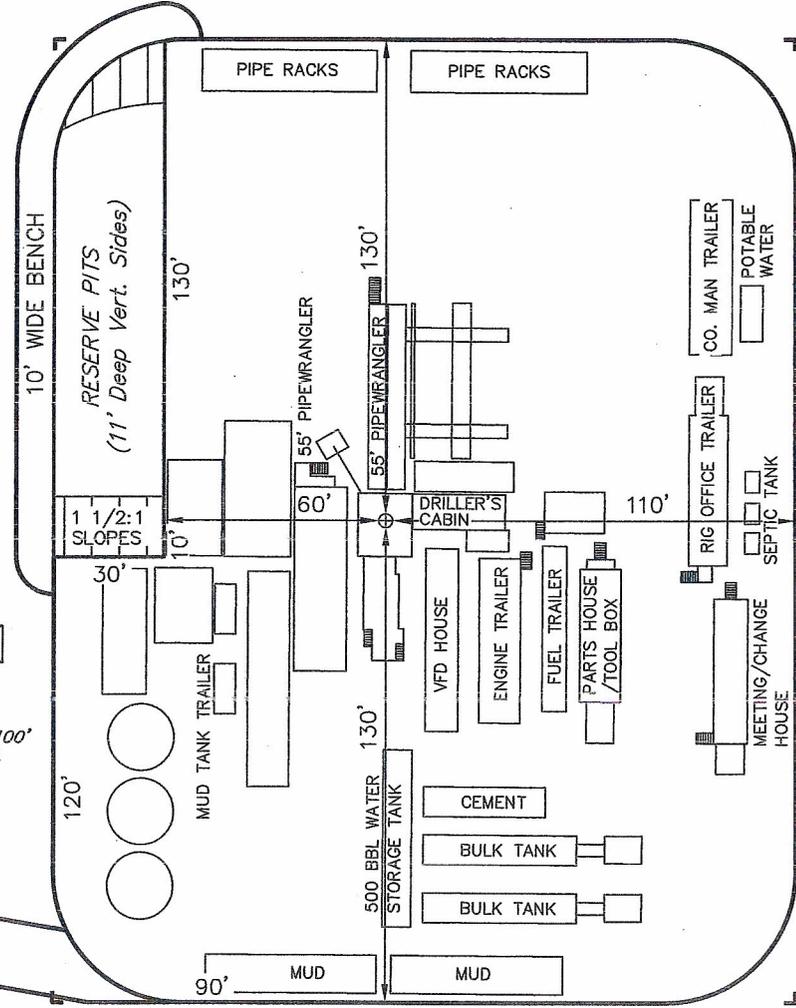
**FIGURE #3**



SCALE: 1" = 50'  
 DATE: 02-07-11  
 DRAWN BY: S.B.  
 REVISED: 09-01-11



Total Pit Capacity  
 W/2' of Freeboard  
 = 5,620 Bbbls.±  
 Total Pit Volume  
 = 1,430 Cu. Yds

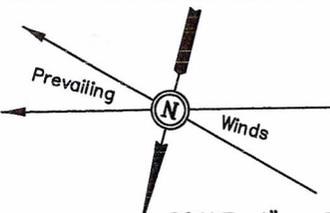
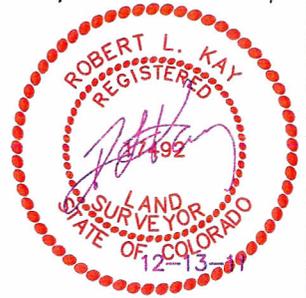


**NOTE:**  
 Flare Pit is to be  
 located a min. of 100'  
 from the Well Head.

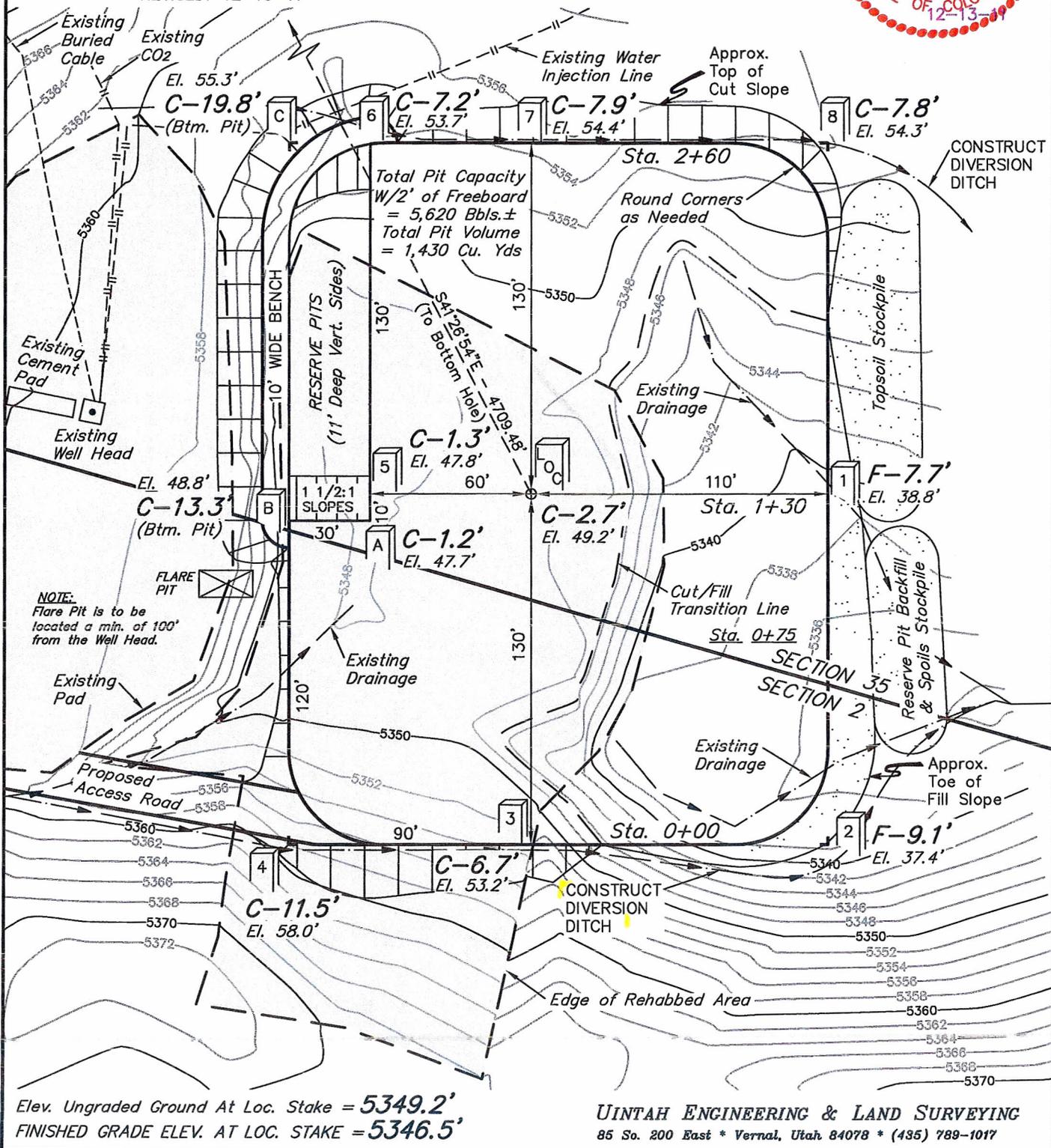
Proposed  
Access Road

**CHEVRON U.S.A., INC.**  
**CONSTRUCTION LAYOUT FOR**  
**CARNEY CT EL AL 45X35**  
**SECTION 35, T2N, R102W, 6th P.M.**  
**38' FNL 2487' FWL**

**FIGURE #1**



SCALE: 1" = 50'  
 DATE: 02-07-11  
 DRAWN BY: S.B.  
 REVISED: 09-01-11  
 REVISED: 12-13-11



Total Pit Capacity  
 W/2' of Freeboard  
 = 5,620 Bbbls.±  
 Total Pit Volume  
 = 1,430 Cu. Yds

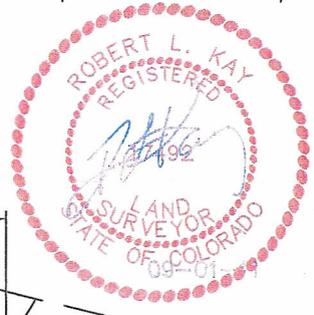
**NOTE:**  
 Flare Pit is to be  
 located a min. of 100'  
 from the Well Head.

Elev. Ungraded Ground At Loc. Stake = 5349.2'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 5346.5'

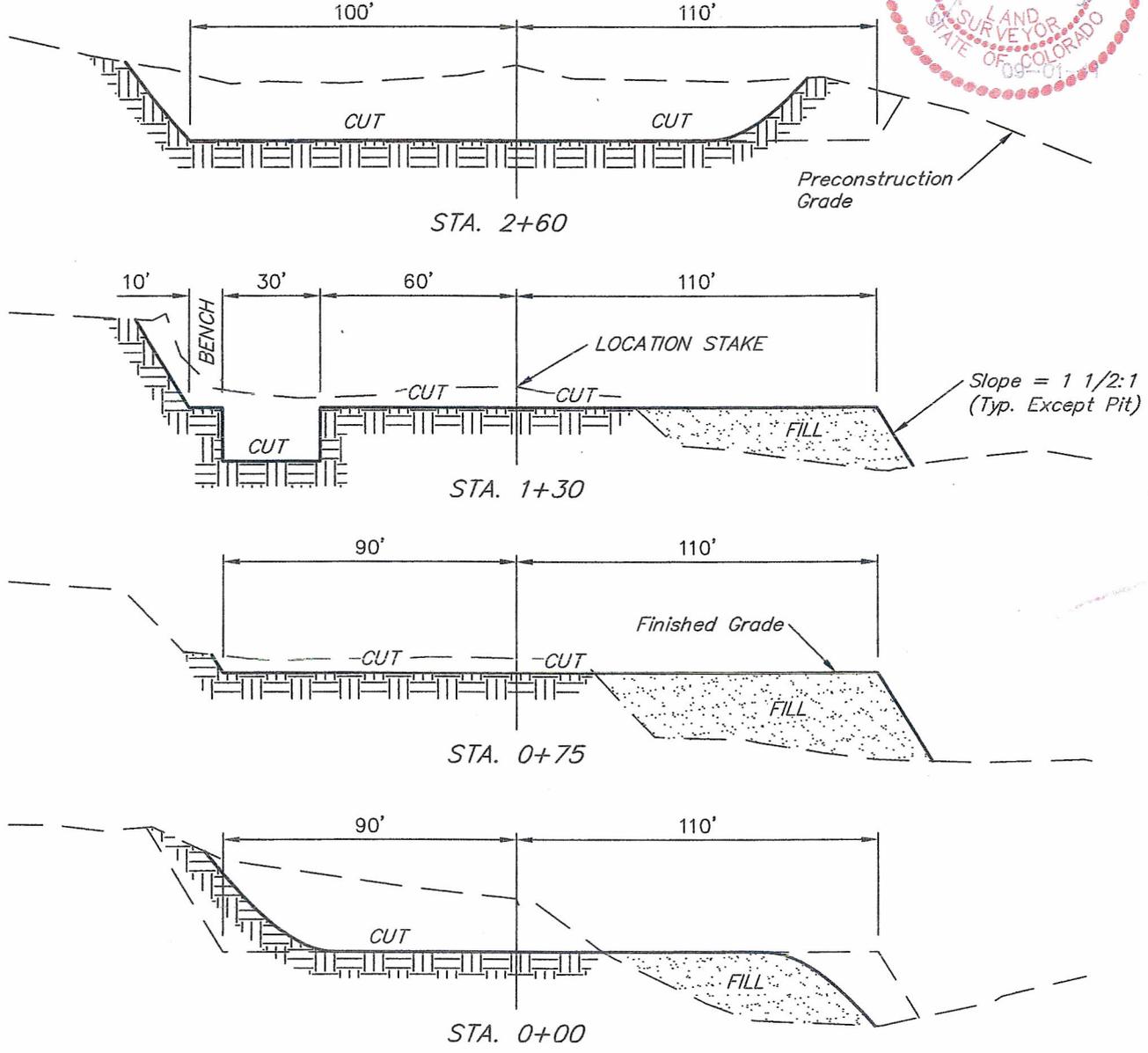
**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**CHEVRON U.S.A., INC.**  
**CONSTRUCTION LAYOUT CROSS SECTION FOR**  
**CARNEY CT EL AL 45X35**  
**SECTION 35, T2N, R102W, 6th P.M.**  
**38' FNL 2487' FWL**

**FIGURE #2**



1" = 20'  
 X-Section Scale  
 1" = 50'  
 DATE: 02-07-11  
 DRAWN BY: S.B.  
 REVISED: 09-01-11



**NOTE:**

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 1.605 ACRES
ACCESS ROAD DISTURBANCE	= ± 0.063 ACRES
PIPELINE DISTURBANCE	= ± 1.062 ACRES
<b>TOTAL</b>	<b>= ± 2.730 ACRES</b>

\* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping (New Construction Only)	= 6,700 Cu. Yds.
Remaining Location	= 5,700 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 6,370 CU.YDS.</b>
<b>FILL</b>	<b>= 4,980 CU.YDS.</b>

EXCESS MATERIAL	= 1,390 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,390 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

CHEVRON U.S.A., INC.

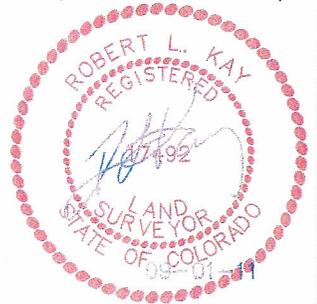
RECLAMATION DIAGRAM FOR

CARNEY CT EL AL 45X35  
SECTION 35, T2N, R102W, 6th P.M.  
38' FNL 2487' FWL

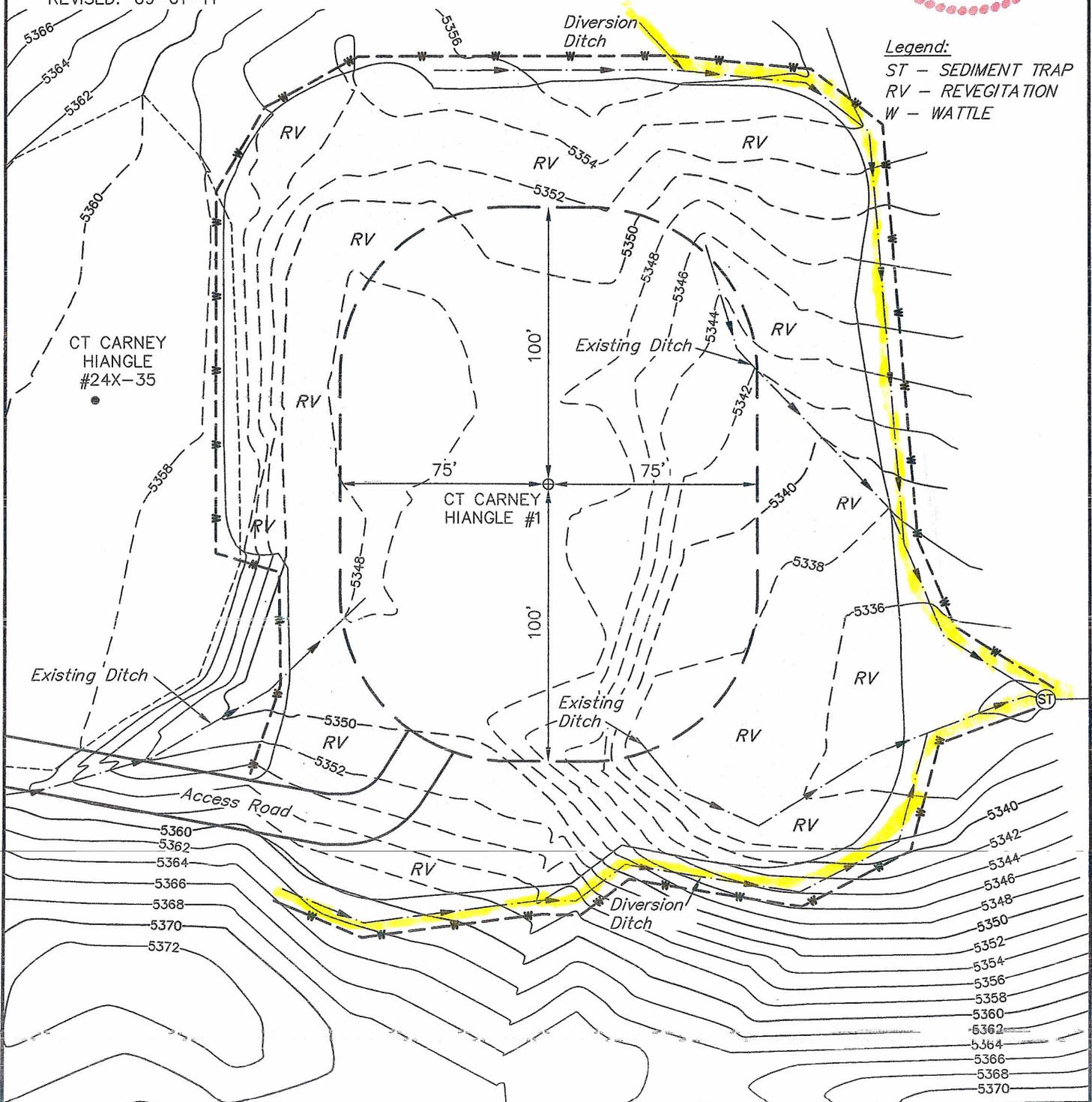
FIGURE #4



SCALE: 1" = 50'  
DATE: 02-07-11  
DRAWN BY: S.B.  
REVISED: 09-01-11



Legend:  
ST - SEDIMENT TRAP  
RV - REVEGITATION  
W - WATTLE



OAHP Use Only: OAHP Doc. No. \_\_\_\_\_ OAHP Project No. \_\_\_\_\_

Colorado Office of Archaeology and Historic Preservation

**LIMITED-RESULTS CULTURAL RESOURCE SURVEY FORM**

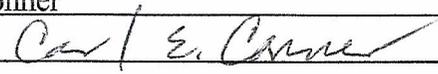
(page 1 of 3)

Small scale limited results projects include block surveys under 160 acres and linear surveys under four miles. To be included under these guidelines there should be no sites and a maximum of four Isolated Finds. See manual for instructions. This form must be typed.

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**I. IDENTIFICATION**

1. Report Title (include County): Class III Cultural Resources Inventory for the proposed Carney CT EL AL 45 x 35 Well Location & Flowline in Rio Blanco County, Colorado for Chevron, USA, Inc. [GRI Project #2011-123]
2. Date of Field Work: November 17, 2011
3. Form completed by: Curtis Martin Date: November 18, 2011
4. Survey Organization/Agency: Grand River Institute  
Principal Investigator: Carl E. Conner  
Principal Investigator's Signature:   
Other Crew: Jim Conner  
Address: P.O. Box 3543, Grand Junction, CO 81502
5. Lead Agency / Land Owner: BLM- White River Field Office  
Contact: Michael Selle, Archaeologist  
Address: 220 East Market Street, Meeker, Colorado 81641
6. Client: Chevron North America Upstream, 15<sup>th</sup> Smith Road, Midland, TX 79705
7. Permit Type and Number: BLM -- C-52775
8. Report / Contract Number: GRI Project No. 2011-123
9. Comments: \_\_\_\_\_

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**II. PROJECT DESCRIPTION**

10. Type of Undertaking: Construction of well pad and related flowline.
  11. Size of Undertaking (acres): < 10 acres Size of Project (if different): 44 acres (BLM)
  12. Nature of the Anticipated Disturbance: Blading, grading and trenching activities.
  13. Comments: There were no limitations to the project. Portions of the project area have been previously disturbed by prior energy related activities.
- 
-



## Limited-Results Cultural Resource Survey Form

(page 3 of 3)

### 25. Known Cultural Resources

In the project area: None.

In the general region: Three sites and three isolates have been previously recorded within a mile to a mile and a half of the present project (see attached list). Overviews of the prehistory and history of the region are provided in the Colorado Council of Professional Archaeologists's publications entitled "Colorado Prehistory: A Context for the Northern Colorado River Basin" (Reed and Metcalf 1999), and "Colorado History: A Context for Historical Archaeology" (Church et al 2007).

26. Expected Results: Cultural resources were not expected due to the harsh, barren nature of the project area, lack of finds by the previous inventories in the immediate vicinity, and scarcity of resources (adequate shelter, plants, and water).

## VI. STATEMENT OF OBJECTIVES

27. The purpose of the study was to identify and record all cultural remains over 50 years old within the area of potential impact, to assess their significance and eligibility to the National Register of Historic Places (NRHP), and make recommendations concerning management. If possible, the remains will add to our understanding of the prehistory and history of the region.

## VII. FIELD METHODS

28. Definitions: Site A site is the locus of previous human activity (50 year minimum) at which the preponderance of evidence suggests either a one-time use or repeated use over time, or multiple classes of activities. For example: a) Isolated thermal features such as hearths are to be designated as sites, due to the interpretable function of such utilization and the potential for chronometric and economic data recovery, b) Single element rock art panels are to be designated as sites due to the interpretable nature of such an event and the potential diagnostic value of the motif, c) Similarly, isolated human burials are to be designated as sites, or d) Loci exhibiting ground stone and flake stone in association. IF An isolate refers to one or more culturally modified objects not found in the context of a site as defined above. Note that this definition makes no reference to an absolute quantitative standard for the site/isolate distinction. For example: a) A discrete concentration of flakes from the same material regardless of the number of artifacts present likely represents a single, random event and is properly designated as an isolate, or b) Similarly, a ceramic pot bust is to be recorded as an isolate, regardless of the number of sherds that remain.
29. Describe Survey Method: The project area was inspected by one archaeologist walking a series of zig-zag transects throughout the block area (40 acres) and along both sides of the flagged centerline of the linear portion of the project area (to cover an area 200 feet in width for a length of approximately 850 linear feet / 4 acres) spaced at 15-meter intervals. There were no limitations to the intensive, Class III cultural resource inspection.

## VIII. RESULTS

30. List IFs if applicable. Indicate IF locations on the map completed for Part III.

A. Smithsonian Number: \_\_\_\_\_ Description: \_\_\_\_\_

31. Using your professional knowledge of the region, why are there none or very limited cultural remains in the project area? Is there subsurface potential?

The low density of sites and isolated finds in this area is attributed to the barren nature of the project area and scarcity of resources (adequate shelter, plants, and water). There is no subsurface potential.

T. 2N., R. 102W., Sections 25, 26, 27, 24, 35 &amp; 36

Survey ID	Title/Author/Date/Contractor
RB.LM.NR433	Title: Rio Blanco County Rd 46 Monitor Author: Selle, Michael Date: Contractor: BLM
RB.LM.R824	Title: Final Report on the Archaeological Reconnaissance of the Polumbus Corporation Pipeline near Rangely, Rio Blanco County, Colorado (And Addendum and Revisions) Author: Jennings, Calvin; Ritchie, Carl W. Date: 05/05/1975 Contractor: Laboratory of Public Archeology
RB.LM.NR1478 BLM 79-13-33	Title: Rerouting of Grace Petroleum Waterlines and Flowlines, Rio Blanco County, Colorado (42103033) Author: Schwartz, Cathy S. Date: 12/21/1979 Contractor: White River Resource Area of the BLM
MC.LM.R380 RB.LM.MT3	Title: Cultural Resource Inventory of a Telephone Right of Way Between Rangely and Dinosaur in Rio Blanco County, Colorado Author: Daniels, Donna C.; Martin, Gary L. Date: 05/01/1980 Contractor: Western Cultural Resource Management
RB.LM.NR1443	Title: Chandler and Associates #16-5-2-1, Re-route of Access Road, Rio Blanco County, Colorado (4110-1039) Author: Schwartz, Cathy S. Date: 05/22/1980 Contractor: White River Resource Area of the BLM
MC.LM.R200	Title: Class III Cultural Resource Inventory for the Uintah Basin Communications Project, Meeker, Rio Blanco County, Colorado to Utah-Colorado Border, Moffat County, Colorado (IAS-00-07-11) Author: Bernard, Mary C. Date: 08/01/2000 Contractor: Intermountain Archaeology Services

Site ID	Site Type	Assessment
5RB.196	Isolated Find	Not Eligible - Field
5RB.2479	Isolated Find	Not Eligible - Field
5RB.2651	Historic, Camp	No assessment given on form
5RB.2713	Isolated Find	Not Eligible - Field
5RB.4088	Historic, Bridge	Not Eligible - Field
5RB.4107	Historic, Bridge	Not Eligible - Field



Project: Chevron Carney CT AL 45 X 35 GRI#2011-123

Photo No.: 2011-123 1-1

View: North

Date: 11/17/2011

Comment: Overview of block portion of project area showing lack of snow cover.



Project: Chevron Carney CT AL 45 X 35 GRI#2011-123

Photo No.: 2011-123 1-2

View: Northeast

Date: 11/17/2011

Comment: Overview of linear portion of project area showing lack of snow cover.