

LEASE NUMBER -
FEE

12 POINT SURFACE USE PLAN

EMERALD 93X & EMERALD 94X

API#s applied for with COGCC

LOCATED IN

RANGELY WEBER SAND UNIT
1272 FSL & 1062 FEL and 1243 FLS & 1055 FEL
(SE SE) Section 26, T2N, R103W, 6th PM

RIO BLANCO COUNTY, COLORADO

Two well location

CHEVRON USA, Inc
Emerald 93X and Emerald 94X

**LEGAL DESCRIPTION: 1272 FSL & 1062 FEL and 1243 FLS & 1055 FEL
(SE SE) Section 26, T2N, R103W, 6th PM**

1. EXISTING ROADS

See attached **Topographic Map "A"** 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 on the east edge of Emerald 79x (05-103-08955) well pad.

To reach CHEVRON proposed EMERALD 93X and Emerald 94X location - Proceed west out of Rangely, Colorado on Colorado State Highway 64 approximately 5.1 miles, turn South on Chevron lease road, proceed 1.7 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

2. PLANNED ACCESS ROAD

See **Topographic Map "B"**.

The planned access road is along an existing lease road - the proposed access to the well pad will be approximately 246 feet. The road will be constructed to approximate width of 2 feet, construction width calculated at 30 feet. The lease road is relatively flat - 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. There will be no need for any road structures such as culverts or bridges. 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.

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 53 active Weber formation wellbores in the one mile radius. Attached is a full list of all Weber wells within the one mile radius, this list is from the COGCC website.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There will be TWO flow lines (see **TOPO D**). These lines will transport hydrocarbon fluids from the new wells to an existing pipeline NORTH of wellsite. The flow lines would consist of 4 inch fiberglass pipe rated at 1000 psi. This lines would run about 1794' feet in length would be constructed and installed in one trench. 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 Emerald 93X and Emerald94X 3160-3s.

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 #4) to the southeast.

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 Briana Potts with BLM on 1/6/2011.

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 2 miles West on Hiway 64 to the Emerald location lease road turn off to the South, then 1.7 mile to the well site. Please see attached "Fresh Water Access Route" map, the route is highlighted in yellow. 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 drilling 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 site.

6. SOURCE OF CONSTRUCTION MATERIALS

No additional construction materials are planned at this time, if muddy conditions exist at the time of construction, 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 140 feet long with 10 foot wide bench with a 1:1 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. No liner will be needed for this 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

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. Please see attached "Site Map and Site Specific Stormwater Management Plan (SWMP)" 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.

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.

Clean up and rehabilitation operations will begin as soon as the well is completed and should be finished within 90 – 120 days after well completion depending on seasonal growing months.

Plan for interim reclamation – The disturbed area not needed for well operation and access road will be revegetated after the site has been properly prepared. Site preparation will include recontouring the areas not need for well operation to blend with surrounding topography and respreading 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 will be used. (SEED BLEND BELOW)

Procedure for the Reclamation of P&A well site Emerald 93X & 94X. When the well no longer produces oil and gas, final reclamation begins. The well is sealed (plugged) with cement to protect freshwater aquifers. Chevron will notify the WRFO 24 hours prior to any 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. The well pad will be re-contoured to original contour that blends with the surrounding landform and topsoil 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. Water breaks will be installed only if absolutely necessary to prevent erosion. 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 will be used, (see the seed blend below). Fall seeding must be completed after September 1, and prior to prolonged ground frost.

The White River Resource Area Manager will be notified at least 24 hours prior to commencing reclamation work.

SEED KIND: ALKALINE SLOPES / CLAYEY SALTDDESERT MIX (Arkansas Valley Seed)

Kind & Variety:	Pure%	Germ%	Origin
WESTERN W/G ABBIBA	23.87	95	WA
PUBESCENT W/G LUNA	23.14	98	SD
CRESTED W/G NORDAN	19.33	88	CAN
RUSSIAN WILD RYEGRASS, VINALL	17.72	96	CAN
ANNUAL SUNFLOWER	12.32	92	CO
Crop / Inert/ Weed	3.63	(see copy of seed bag tag attached)	

The access roads will be upgraded and maintained as necessary to prevent soil erosion, and accommodate year round traffic.

The access roads will be upgraded and maintained as necessary to prevent soil erosion, and accommodate year round traffic.

Interim reclamation will include the treatment of weeds by a contracted weed sprayer, Rocky Mountain Weed Management, 970-675-5656. Other Interim weed prevention methods will be that the disturbed areas that no longer will be needed for production operations will be seeded with BLM approved seed mix as soon as possible. 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 approved.

Methods of stabilization- BMP to prevent erosion will be the revegetation and wattle around location. Erosion and polluted runoff from oil and gas operations will be controlled. All Storm Water Discharge Permitting Regulations and BMP's currently required by the State of Colorado will be strictly complied with, particularly when streams may be affected." 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." The secondary containment area will be engineered to handle 150% of calculated volumes per Chevron policy.

"Surface disturbance will be minimization. Existing roads shall be used to the greatest extent practicable to avoid erosion and minimize the land area devoted to oil and gas operations. Roadbeds shall be engineered to avoid or minimize impacts to riparian areas or wetlands to the extent practicable. Unavoidable impacts shall be mitigated. To the greatest extent practicable, all vehicles used by the operator, contractors, and other parties associated with the well shall not travel outside of the original access road boundary"

"Interim Reclamation Plan diagram". Total well, road and pipeline disturbance area is 3.138 acres, reclaimed area approximately 2.044 acres, and unreclaimed area will be approximately 1.094 acres for this two well pad. The earthwork during the interim reclamation will blend with the surrounding topography with no slopes steeper than 3:1.

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11. SURFACE OWNERSHIP

A check of the records indicates that the surface owner is

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.

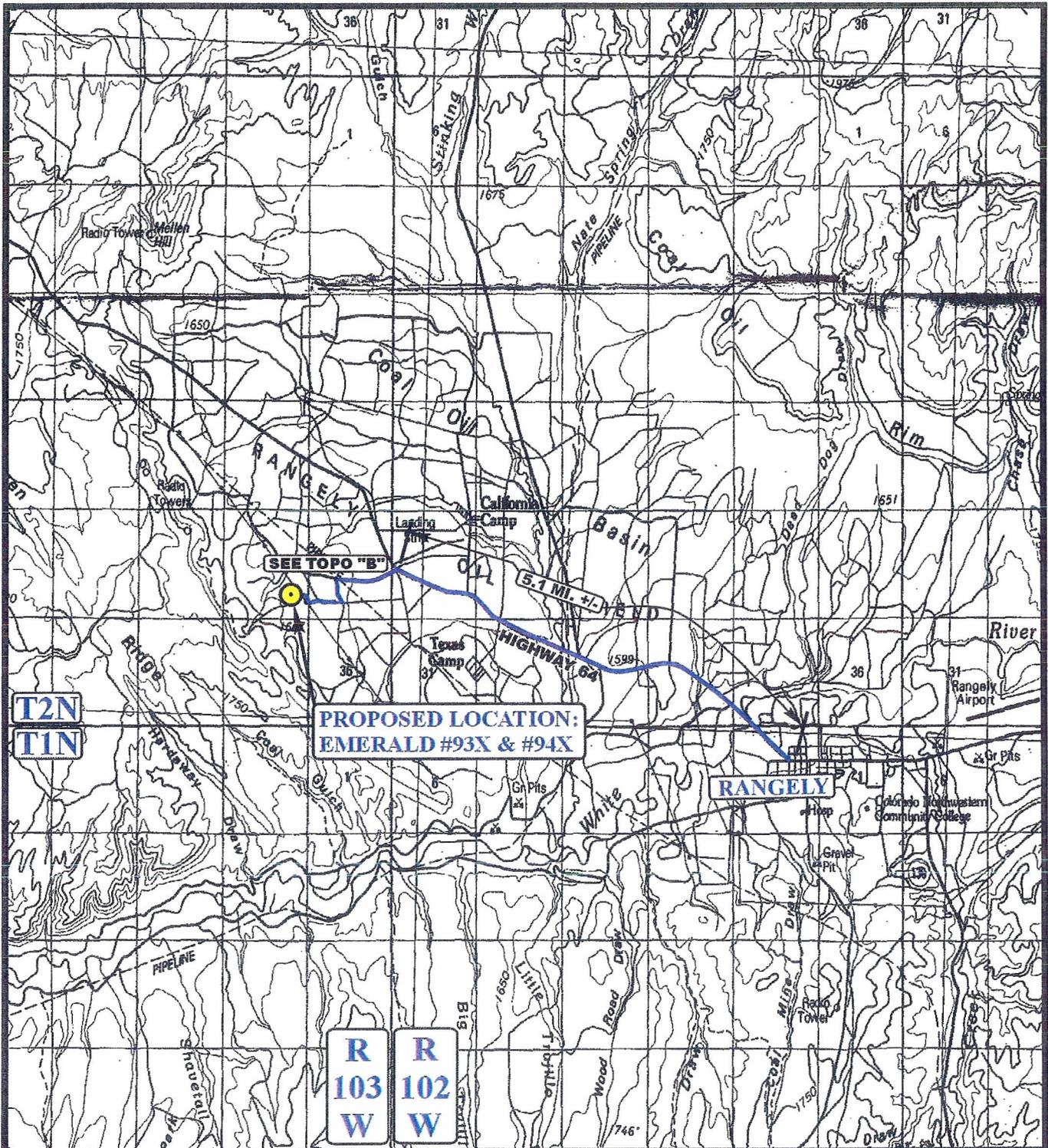
b) Chevron will be responsible for informing all persons who are associated with the project operations that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. During operations, if discoveries of any cultural remains, monuments or sites, or any object of antiquity subject to

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 artifactual remains or architecture of archeological significance is remote.

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, sacred 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.



T2N
T1N

**PROPOSED LOCATION:
EMERALD #93X & #94X**

R
103
W
R
102
W

LEGEND:

● PROPOSED LOCATION

CHEVRON USA, INC.

EMERALD #93X & #94X
SECTION 26, T2N, R103W, 6th P.M.
SE 1/4 SE 1/4

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



ACCESS ROAD
MAP
10 28 10
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: J.J. REVISED: 00-00-00

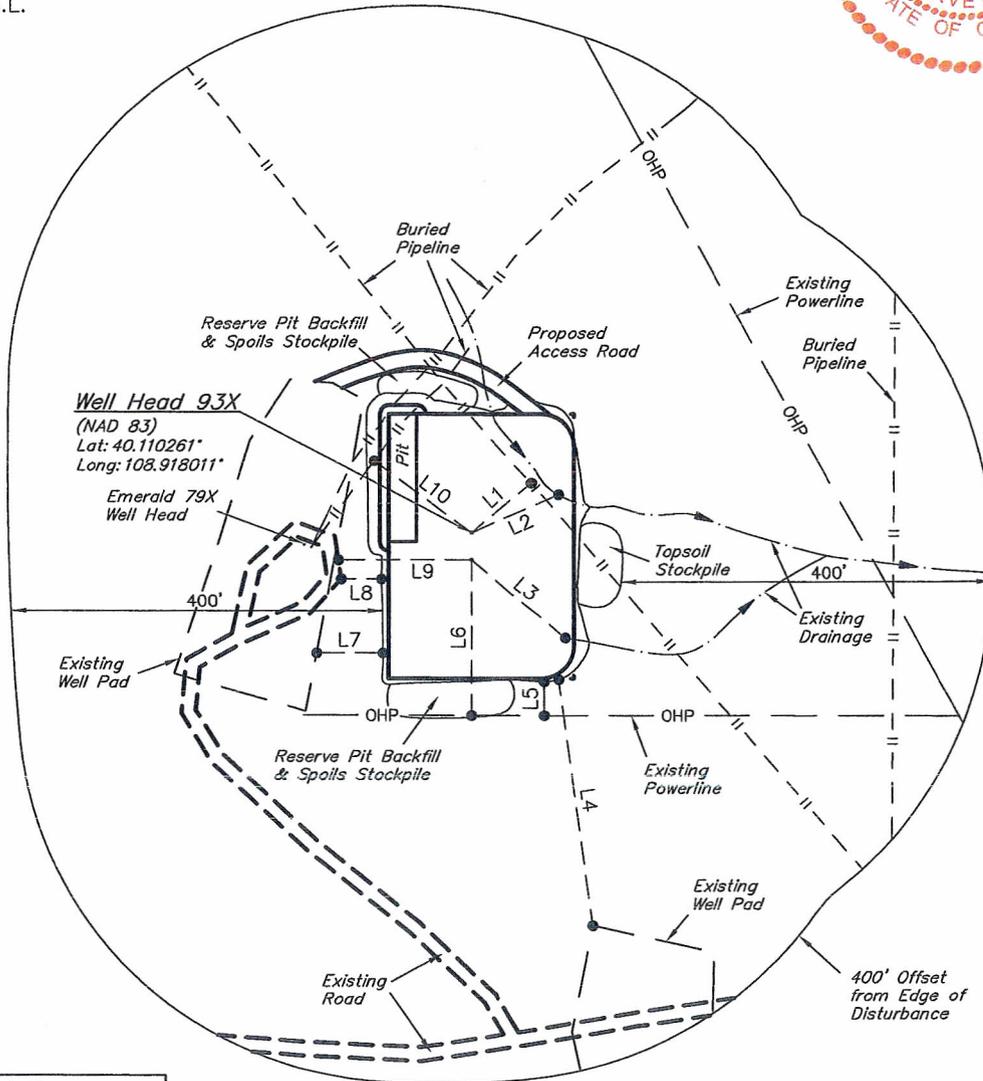
A
TOPO

CHEVRON USA, INC.

ADDENDUM TO LEGAL PLAT FOR
 EMERALD #93X & #94X
 SECTION 26, T2N, R103W, 6th P.M.
 SE 1/4 SE 1/4

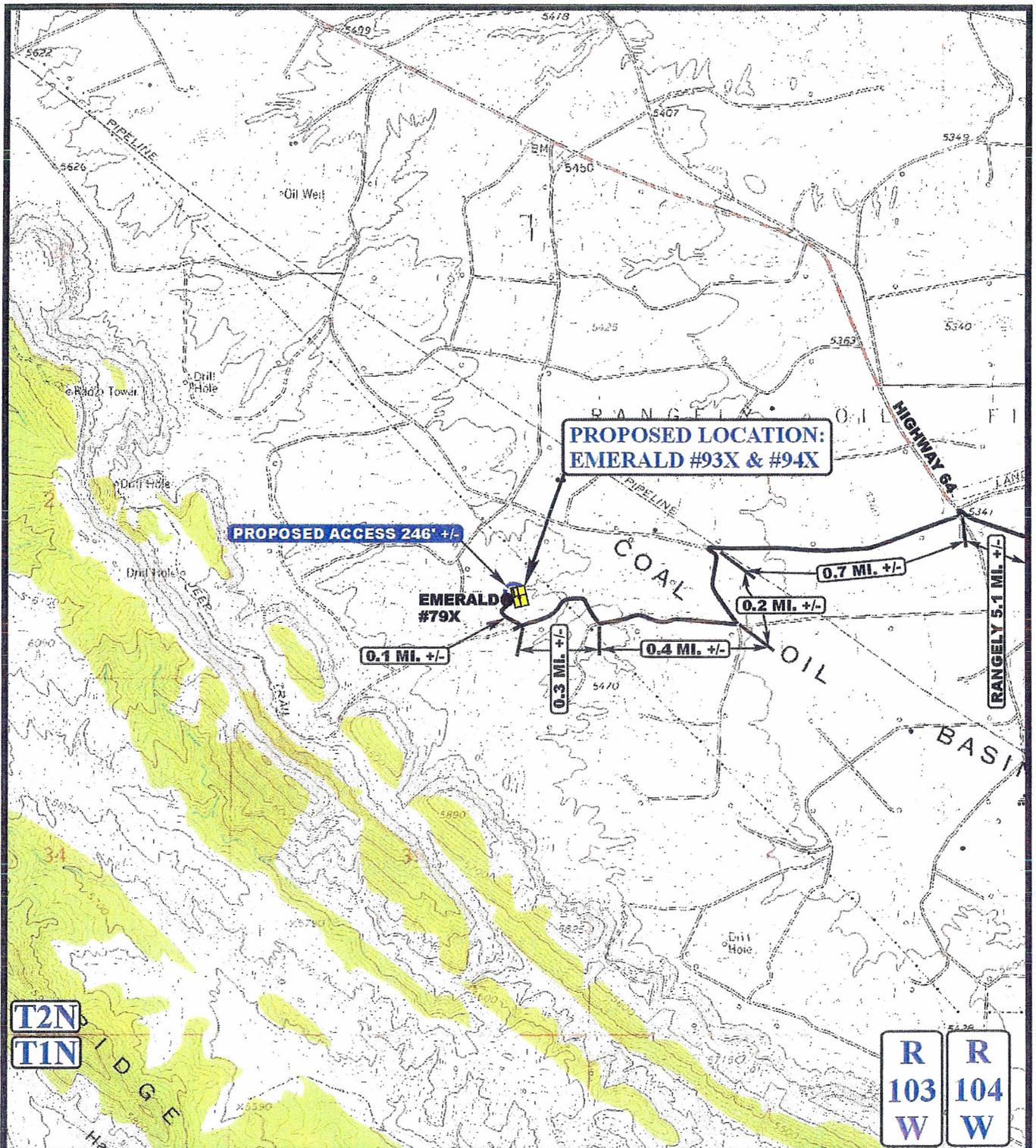


SCALE: 1" = 200'
 DATE: 10-21-10
 DRAWN BY: S.L.



LINE TABLE

LINE	DIRECTION	LENGTH
L1	N37°01'57"E	84.36'
L2	N53°07'51"E	102.36'
L3	S62°30'29"E	132.21'
L4	S20°31'56"E	272.71'
L5	S12°48'58"E	37.29'
L6	S12°48'58"E	170.70'
L7	S77°11'02"W	71.92'
L8	N77°11'02"E	43.66'
L9	S77°11'02"W	144.49'
L10	N66°05'38"W	132.03'



T2N
T1N

R 103 W
R 104 W

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

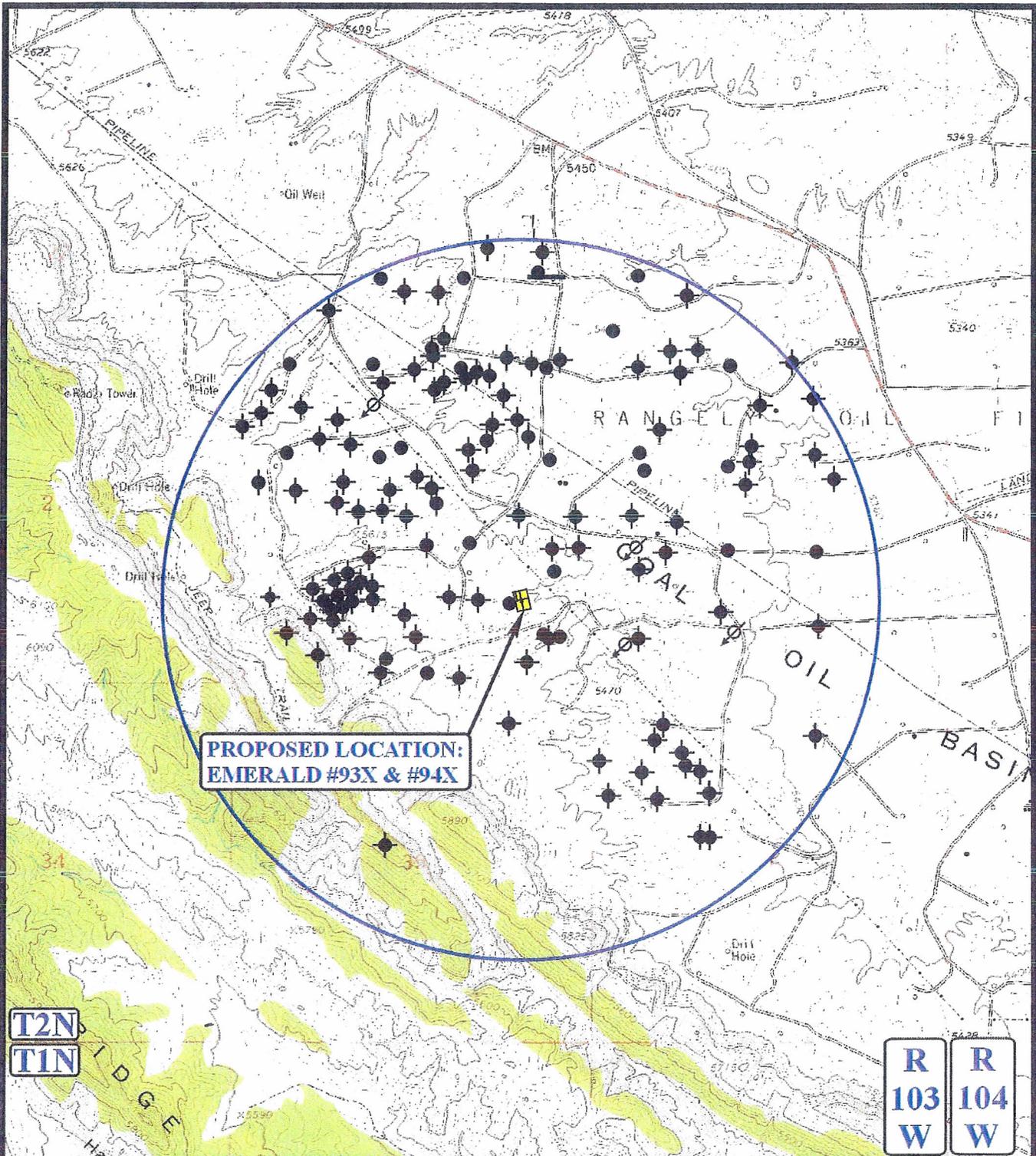


CHEVRON USA, INC.

EMERALD #93X & #94X
SECTION 26, T2N, R103W, 6th P.M.
SE 1/4 SE 1/4

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

ACCESS ROAD MAP
 10 28 10
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00
B TOPO



**PROPOSED LOCATION:
EMERALD #93X & #94X**

**T2N
T1N**

**R 103 W
R 104 W**

LEGEND:

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- ⬮ SHUT IN WELLS
- ⊕ WATER WELLS
- ⬮ ABANDONED WELLS
- ⬮ TEMPORARILY ABANDONED



CHEVRON USA, INC.

**EMERALD #93X & #94X
SECTION 26, T2N, R103W, 6th P.M.
SE 1/4 SE 1/4**

U E L S
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TOPOGRAPHIC MAP
 SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

10	28	10
MONTH	DAY	YEAR



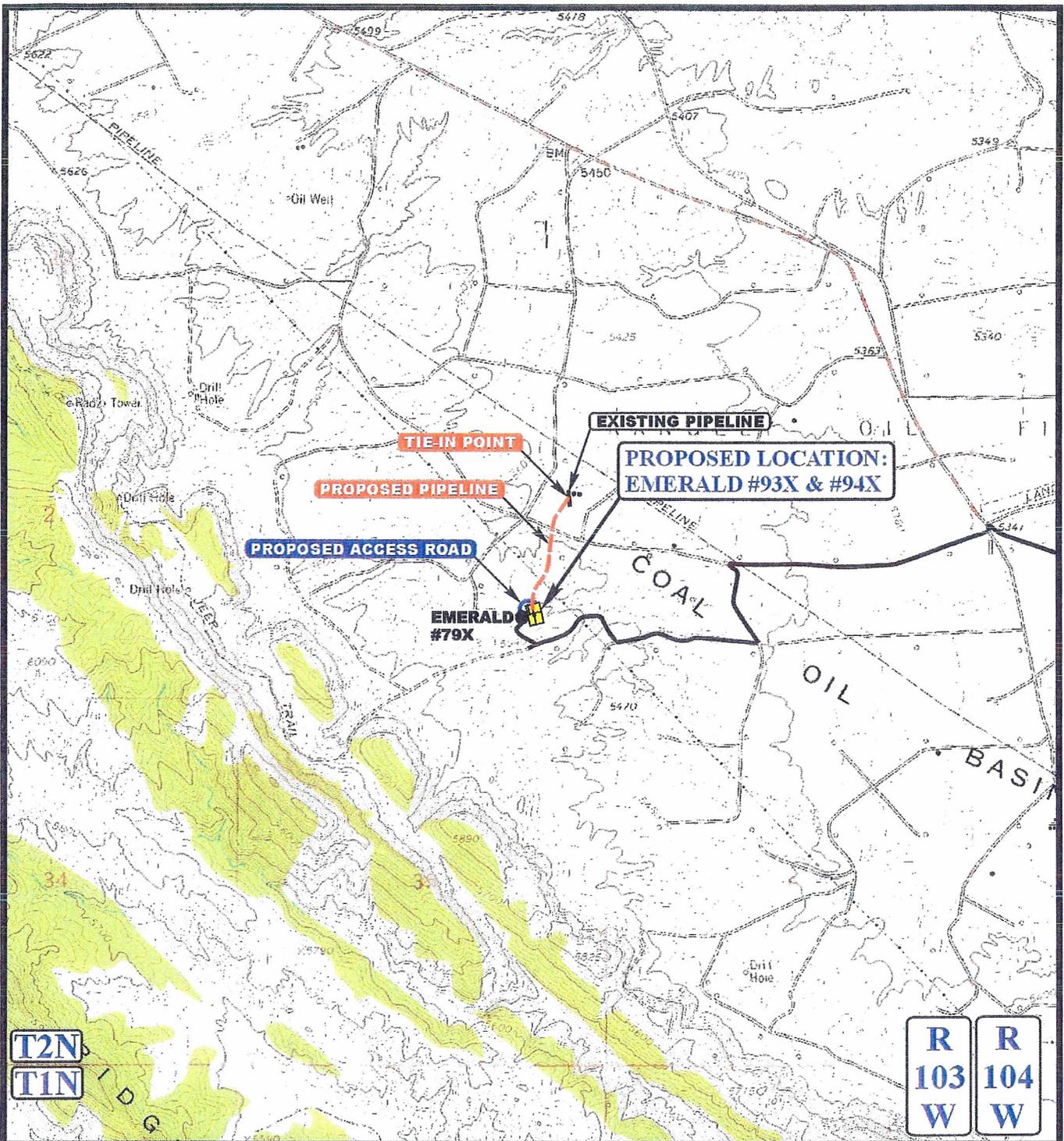
Weber Formation Wells in 1 Mile Radius

WELL DESCRIPTION	LOCATION	TD	Formation	Status
05-103-05691, HAGOOD L N A-8 CHEVRON USA INC	SWSE 23 2N -103W (6)		6630 WEBR	IJ
05-103-05694, HAGOOD L N A-6 CHEVRON USA INC	SESE 23 2N -103W (6)		6600 WEBR	PR
05-103-07022, HAGOOD L N A-9X CHEVRON USA INC	SWSE 23 2N -103W (6)		6630 WEBR	PR
05-103-07910, RIGBY A 3X CHEVRON USA INC	SESW 24 2N -103W (6)		6613 WEBR	PR
05-103-08481, EMERALD 76X CHEVRON USA INC	SWSW 25 2N -103W (6)		WEBR	PR
05-103-08765, EMERALD 83X CHEVRON USA INC	NWSW 25 2N -103W (6)		6726 WEBR	PR
05-103-08772, EMERALD 86X CHEVRON USA INC	SESW 25 2N -103W (6)		6700 WEBR	PR
05-103-08773, EMERALD 87X CHEVRON USA INC	SESW 25 2N -103W (6)		6721 WEBR	PR
05-103-09120, E A NEAL 9Y CHEVRON USA INC	NENW 25 2N -103W (6)		6660 WEBR	PR
05-103-09147, EMERALD 91Y CHEVRON USA INC	NWNW 25 2N -103W (6)		6701 WEBR	PR
05-103-09203, EMERALD 30AX CHEVRON USA INC	NWSE 25 2N -103W (6)		6641 WEBR	IJ
05-103-09295, EMERALD 92X CHEVRON USA INC	SWSE 25 2N -103W (6)		6670 WEBR	PR
05-103-10680, EMERALD 49AX CHEVRON USA INC	NWSE 25 2N -103W (6)		6558 WEBR	PR
05-103-07906, NEAL FED D-033720 6X CHEVRON USA INC	SWNE 25 2N -103W (6)		6590 WEBR	PR
05-103-07376, EMERALD 53X CHEVRON USA INC	SESW 25 2N -103W (6)		WEBR	PR
05-103-05594, EMERALD 35 CHEVRON USA INC	SESW 25 2N -103W (6)		6556 WEBR	PR
05-103-05666, EMERALD 5 CHEVRON USA INC	NWNW 25 2N -103W (6)		6610 WEBR	PA
05-103-05672, NEAL 3 CHEVRON USA INC	NENW 25 2N -103W (6)		WEBR	PR
05-103-07803, EMERALD 61X	NESW 25			

CHEVRON USA INC	2N -103W (6)	6631 WEBR	PR
05-103-07810, EMERALD 63X	NWSE 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	0 WEBR	AL
05-103-08041, EMERALD 63X	NWSE 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6659 WEBR	IJ
05-103-08043, NEAL 8X	SENW 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6669 WEBR	IJ
05-103-05588, EMERALD 6	SWSE 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6545 WEBR	IJ
05-103-05589, EMERALD 23	SWSW 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6573 WEBR	IJ
05-103-05628, EMERALD 28	NESW 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6475 WEBR	IJ
05-103-05630, EMERALD 30	NWSE 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6404 WEBR	AB
05-103-05635, EMERALD 24	NWSW 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6631 WEBR	PA
05-103-05653, EMERALD 27	SWNW 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6537 WEBR	SI
05-103-05655, NEAL 4	SENW 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6497 WEBR	IJ
05-103-05659, NEAL 5A	SWNE 25	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	WEBR	PR
05-103-05661, EMERALD 9	SWNE 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6670 WEBR	IJ
05-103-05662, EMERALD 10	NENE 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	WEBR	PR
05-103-05663, LARSON, M B A-2-26	SWNW 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	7300 WEBR	PR
05-103-05636, EMERALD 13	SENE 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6575 WEBR	IJ
05-103-05590, EMERALD 8	NESE 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	6628 WEBR	IJ
05-103-05592, STOFFER, C R A-2	SWSE 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	7008 WEBR	PR
05-103-08169, EMERALD 74X	SWNE 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	WEBR	PR
05-103-07811, EMERALD 62X	NENE 26	TD Formation	Status
CHEVRON USA INC	2N -103W (6)	WEBR	PR

05-103-05677, EMERALD 17	SESE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6650	WEBR	IJ
05-103-05667, EMERALD 12	NENW 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6790	WEBR	PA
05-103-05671, EMERALD 11	NWNE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)		WEBR	PR
05-103-05626, STOFFER, C R A-3	NESW 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	0	WEBR	PA
05-103-05627, STOFFER, C R A-1	NWSE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6622	WEBR	IJ
05-103-07739, EMERALD 58X	SENE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6667	WEBR	PR
05-103-07740, EMERALD 59X	SWNE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)		WEBR	PR
05-103-07798, EMERALD 60X	NENE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6655	WEBR	SI
05-103-08955, EMERALD 79X	SESE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6800	WEBR	PR
05-103-08766, EMERALD 88X	NENE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6745	WEBR	PR
05-103-08491, EMERALD 78X	NESE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6727	WEBR	PR
05-103-08492, EMERALD 82X	NENW 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6821	WEBR	TA
05-103-07992, EMERALD 64X	NENE 26	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6687	WEBR	IJ
05-103-05557, LARSON, M B B 1-35	NENE 35	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	7040	WEBR	PA
05-103-05565, EMERALD 14	NENW 36	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6597	WEBR	IJ
05-103-05463, EMERALD 41	SENE 36	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6808	WEBR	TA
05-103-05481, EMERALD 25	NWNW 36	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6830	WEBR	IJ
05-103-05512, EMERALD 37	NWNE 36	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)	6489	WEBR	IJ
05-103-08437, EMERALD 75X	SENE 36	TD	Formation	Status
CHEVRON USA INC	2N -103W (6)		WEBR	PR
05-103-08769, EMERALD 80X	CNW 36	TD	Formation	Status

CHEVRON USA INC	2N -103W (6)	6710 WEBR	PR
05-103-08770, EMERALD 85X	NWNE 36	TD	Formation Status
CHEVRON USA INC	2N -103W (6)	6647 WEBR	PR
05-103-09187, EMERALD 44AX	SWNW 36	TD	Formation Status
CHEVRON USA INC	2N -103W (6)	6765 WEBR	PR



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,794' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

CHEVRON USA, INC.

EMERALD #93X & #94X
 SECTION 26, T2N, R103W, 6th P.M.
 SE 1/4 SE 1/4



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



TOPOGRAPHIC
MAP

10 28 10
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

D
TOPO

CHEVRON USA, INC.

TYPICAL RIG LAYOUT FOR

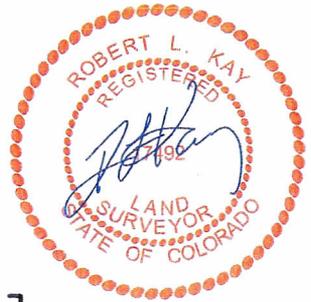
EMERALD #93X & #94X
SECTION 26, T2N, R103W, 6th P.M.
SE 1/4 SE 1/4

FIGURE #3

SCALE: 1" = 50'
DATE: 10-21-10
DRAWN BY: S.L.



Proposed Access Road



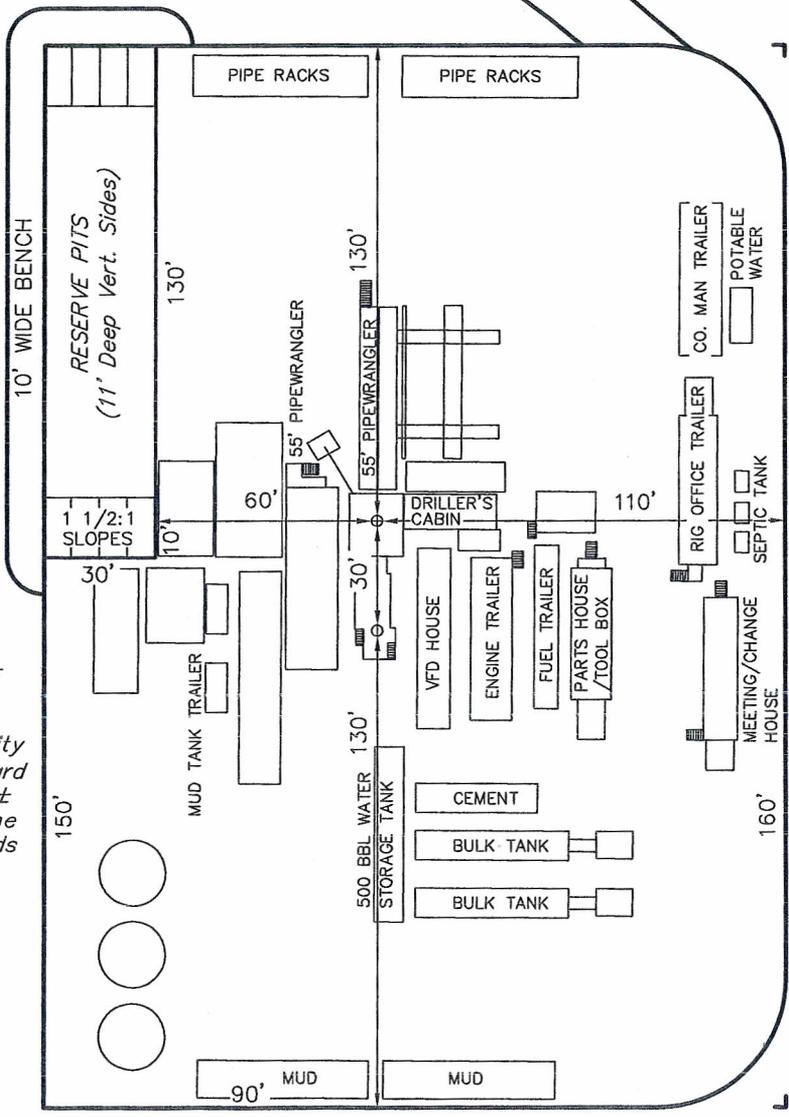
NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Emerald 79X Well Head



Total Pit Capacity
W/2' of Freeboard
= 5,800 Bbls.±
Total Pit Volume
= 1,510 Cu. Yds

Existing Well Pad



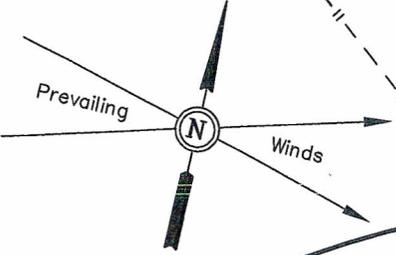
CHEVRON USA, INC.

CONSTRUCTION LAYOUT FOR

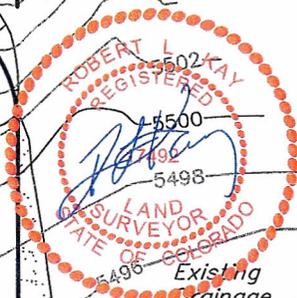
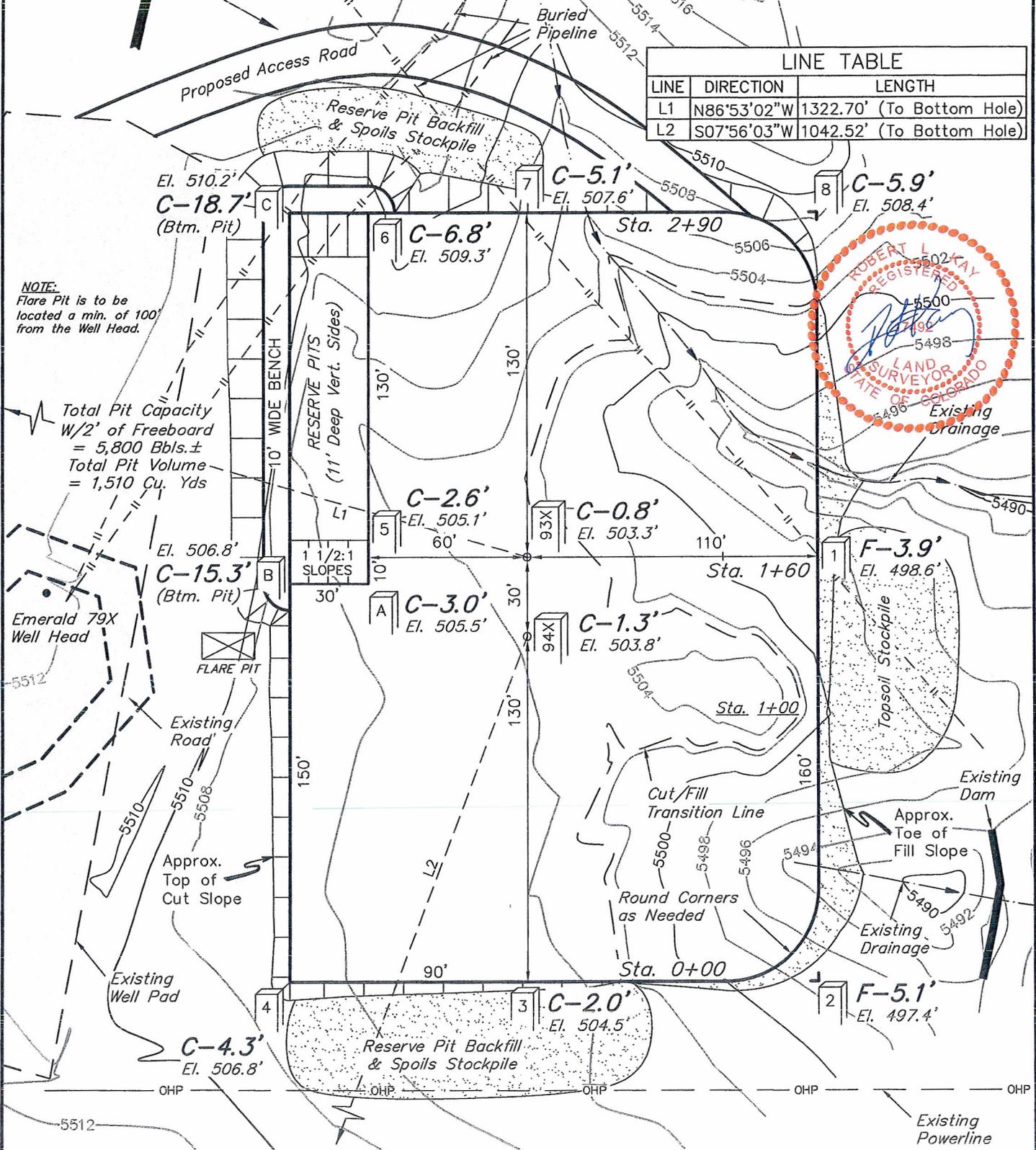
EMERALD #93X & #94X
SECTION 26, T2N, R103W, 6th P.M.
SE 1/4 SE 1/4

FIGURE #1

SCALE: 1" = 50'
DATE: 10-21-10
DRAWN BY: S.L.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N86°53'02"W	1322.70' (To Bottom Hole)
L2	S07°56'03"W	1042.52' (To Bottom Hole)



Elev. Ungraded Ground At 93X Loc. Stake = 5503.3'
FINISHED GRADE ELEV. AT 93X LOC. STAKE = 5502.5'

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

CHEVRON USA, INC.

RECLAMATION PLAN

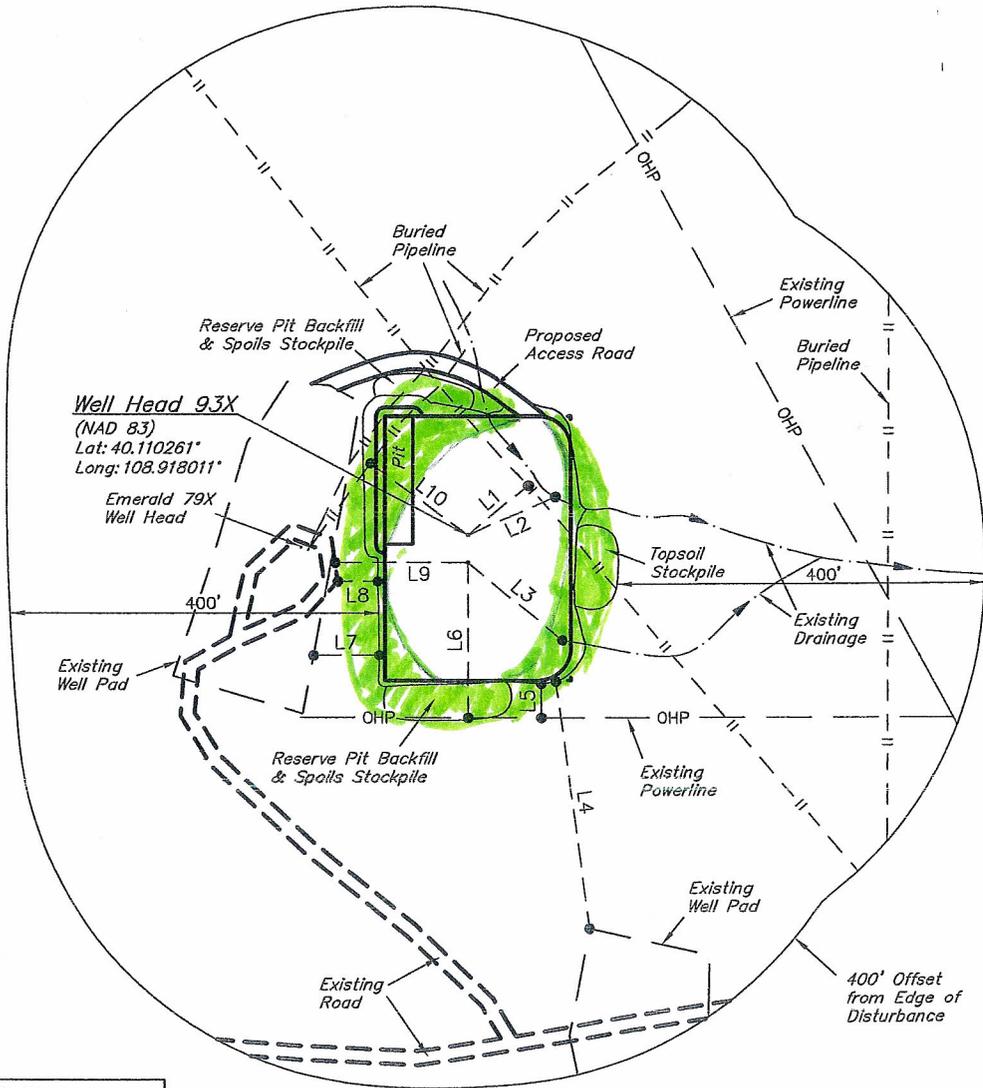
EMERALD #93X & #94X

SECTION 26, T2N, R103W, 6th P.M.

SE 1/4 SE 1/4



SCALE: 1" = 200'



LINE TABLE

LINE	DIRECTION	LENGTH
L1	N37°01'57"E	84.36'
L2	N53°07'51"E	102.36'
L3	S62°30'29"E	132.21'
L4	S20°31'56"E	272.71'
L5	S12°48'58"E	37.29'
L6	S12°48'58"E	170.70'
L7	S77°11'02"W	71.92'
L8	N77°11'02"E	43.66'
L9	S77°11'02"W	144.49'
L10	N66°05'38"W	132.03'

WELL SITE RECLAMATION AREA