

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE  WATER SANDS LOCATION INSP SUB. REPORT/abd.

DATE FILED NOVEMBER 25, 1994

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-0830 INDIAN

DRILLING APPROVED: DECEMBER 13, 1994

SPUDED IN:

COMPLETED: PUT TO PRODUCING.

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LOCATION ABANDONED PER BLM EFF JANUARY 22, 1996

FIELD: RED WASH FIELD

UNIT: RED WASH UNIT

COUNTY: UINTAH

WELL NO. RED WASH UNIT #316 API NO. 43-047-32596

LOCATION 1022' FSL FT. FROM (N) (S) LINE. 804' FWL FT. FROM (E) (W) LINE. SW SW 1/4 - 1/4 SEC. 4

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				8S	24E	4	CHEVRON USA PROD CO

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS  FILE  WATER SANDS  LOCATION INSPECTION  SUB. REPORT/abd.

9/6/223 Location Abandoned

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GRAVITY A.P.I.

GOR:  
PRODUCING ZONES:

TOTAL DEPTH:  
WELL ELEVATION:

DATE ABANDONED: 12-23-96 LAID

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UNIT: RED WASH UNIT  
COUNTY: UINTAH  
WELL NO. RED WASH UNIT #316

API NO. 43-047-32596

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TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				8S	24E	4	CHEVRON USA PROD CO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form approved,  
Budget Bureau No. 1004-0136  
Expires December 31, 1991

RECEIVED  
NOV 25 1994  
reverse side

APPLICATION FOR PERMIT TO DRILL OR DEEPEN  
DIV OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
USA U-0830

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
RED WASH UNIT

8. FARM OR LEASE NAME, WELL NO.  
#316

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT  
RED WASH  
MESAVERDE

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA  
SEC.4-T8S-R24E, SLB&M

12. COUNTY OR PARISH  
UINTAH

13. STATE  
UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
31.8 miles to Vernal, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1022'

16. NO. OF ACRES IN LEASE  
2548.78

17. NO. OF ACRES ASSIGNED TO THIS WELL  
NA

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2183'

19. PROPOSED DEPTH  
9650'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5513' (UNGRADED GROUND)

22. APPROX. DATE WORK WILL START\*  
12/10/94

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17.5"	13.375" H-40	48#	320'	222 cuft. (188 sx.), shoe to surface
11"	8.625" J-55	24#	3900'	1062 cuft. (413 sx.), shoe to surface
7.875"	4.5" P-110	11.6#	9650'	1335 cuft. (1141 sx.), shoe to 3800'

We propose to drill a 9650' well to test the Mesaverde Formation at this location. Enclosures:

- Certified Plat
- Thirteen Point Surface Use Plan With Attachments
- Eight Point Drilling Plan With Attachments
- Self-Certification Statement

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED St. Cuskey TITLE TEAM LEADER DATE 11-22-94

(This space for Federal or State office use)

PERMIT NO. 43-047-32596 APPROVAL DATE APPROVED BY THE STATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

\*See Instructions On Reverse Side

OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 12/13/94  
BY: Matthews  
WELL SPACING 649-2-3

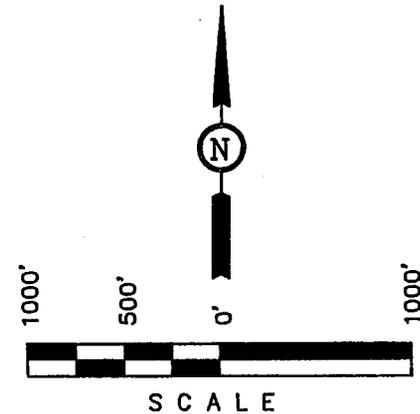
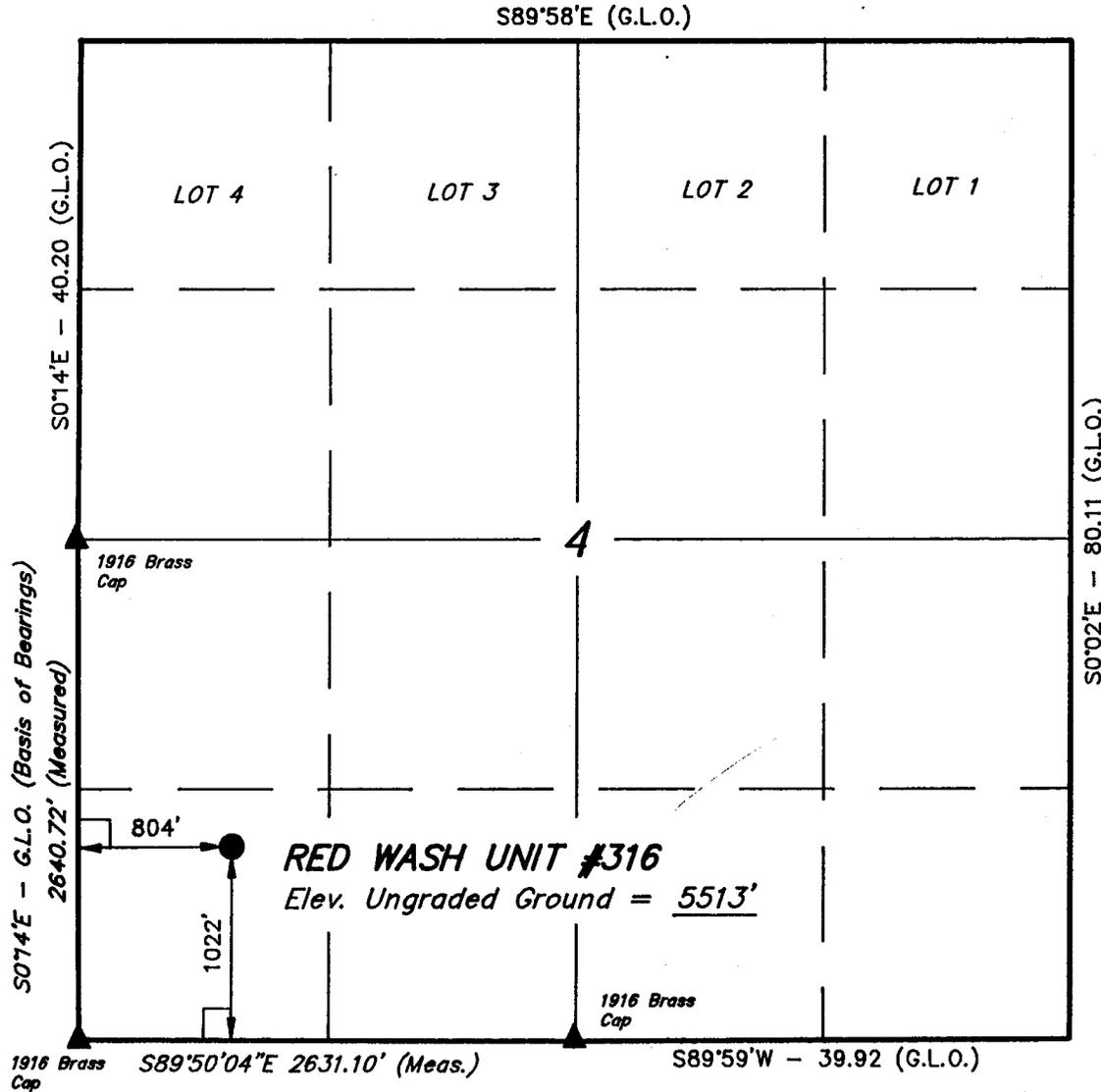
CHEVRON U.S.A., INC.

T8S, R24E, S.L.B.&M.

Well location, RED WASH UNIT #316, located as shown in the SW 1/4 SW 1/4 of Section 4, T8S, R24E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 4, T8S, R24E, S.L.B.&M. TAKEN FROM THE DINOSAUR NW, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5521 FEET.



CERTIFICATE

THIS IS TO CERTIFY, THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 181319  
STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 10-12-94	DATE DRAWN: 10-16-94
PARTY B.B. D.G. D.J.S.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE CHEVRON U.S.A., INC.	

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED. (Brass Caps)

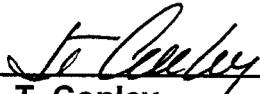
United States Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 West  
Vernal, UT 84078

### SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Red Wash Unit #316, SWSW-Sec.4-T8S-R24E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,

  
\_\_\_\_\_  
J. T. Conley  
Red Wash Area Team Leader

DATE: 11-22-94

**CHEVRON USA PRODUCTION CO.**

**RED WASH UNIT #316  
1022' FSL, 804' FWL  
SWSW-S4-T8S-R24E  
UINTAH COUNTY, UTAH**

**THIRTEEN POINT SURFACE USE PLAN**

**1. EXISTING ROADS:**

A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.

B. See Topographic Map A. Travel east from Vernal on U.S. Highway 40 to the intersection with Utah State Highway 45. Turn south on Utah State 45 and proceed 20.7 miles to the Red Wash Oil and Gas Field road. Turn east and proceed 4.7 miles to existing lease road past water tank. Turn south and proceed a total of 6.4 miles on existing lease road to proposed location.

**2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:**

See Topographic Maps A and B. The access road and location site are on Federal lands. The proposed location is adjacent to an existing lease road and no new road construction will be required.

**3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:**

See Topographic Map B.

**4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:**

A. See Topographic Map C.

B. Gas dehydration and metering equipment will be installed onsite following completion of the new wellbore. The well will be tied into an existing gas gathering line adjacent to the location.

## **RED WASH UNIT #316 - THIRTEEN POINT SURFACE USE PLAN**

C. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the BLM.

D. A blooie pit 8' X 10' X 5' deep will be constructed 150' diagonally from the center hole. A line will be placed on the surface from the center hole to the burn pit. The pit will be fenced on four sides to protect livestock.

### **5. LOCATION AND TYPE OF WATER SUPPLY:**

Red Wash Unit fresh water supply, Application #A17791, Water Right Number 49-2153. Water will be picked up at water tank shown on Topographic Map A, ~6.4 miles from wellsite on proposed access route.

Transportation of water shall be by tank truck.

### **6. CONSTRUCTION MATERIALS:**

Native dirt and gravel will be used as construction materials.

### **7. METHODS FOR HANDLING WASTE DISPOSAL:**

A. The reserve pit will be lined if required.

B. Excess reserve pit fluid will be disposed of via evaporation, solidification and/or haul-off to a commercial disposal facility.

C. Drill cuttings will be caught and settled in the reserve pit and buried when the pit is backfilled.

D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.

E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.

F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.

## RED WASH UNIT #316 - THIRTEEN POINT SURFACE USE PLAN

G. In the event fluids are produced, any gas and associated condensate will be flared over the flare pit while testing. Any produced water will be caught in the flare pit and transferred to Red Wash Central Battery for use in the waterflood system. Depending on the nature of completion/stimulation fluids, these will be caught in the flare pit and disposed of via use in the waterflood system, evaporation or haul-off to a commercial disposal facility.

H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.

I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

### 8. ANCILLARY FACILITIES:

None.

### 9. WELLSITE LAYOUT:

A. See Figures 1 and 2.

B. Burn pit will not be lined.

C. Access to the well pad will be as shown on Topographic Map B.

### 10. PLAN FOR RESTORATION OF SURFACE:

A. All surface areas not required for production operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.

## **RED WASH UNIT #316 - THIRTEEN POINT SURFACE USE PLAN**

B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the BLM.

C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.

D. Completion of the well is planned during 1995. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

### **11. SURFACE OWNERSHIP:**

The wellsite, access roads and flowlines are on Federal land. The operator shall contact the BLM office at (801) 789-1362 between 24 and 48 hours prior to construction activities.

### **12. OTHER INFORMATION:**

A. The well is located in hilly and sandy terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.

B. Surface use activities other than the oil and gas well facilities consist of grazing.

C. There are no occupied dwellings near the wellsite.

D. Archeological clearance has been recommended per Senco-Phenix Report #SP-UT-160b (U94SC572bps).

**RED WASH UNIT #316 - THIRTEEN POINT SURFACE USE PLAN**

**13. COMPANY REPRESENTATIVE:**

Mr. J. T. Conley  
11002 East 17500 South  
Vernal, UT 84078  
(801) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

11-22-94  
Date

  
\_\_\_\_\_  
J. T. Conley  
Red Wash Area Team Leader

**CHEVRON USA PRODUCTION CO.**

**RED WASH UNIT #316  
1022' FSL, 804' FWL  
SWSW-S4-T8S-R24E  
UINTAH COUNTY, UTAH**

**EIGHT POINT DRILLING PLAN**

**1. ESTIMATED FORMATION TOPS:**

Uinta	Surface
Green River	~ 2082'
Oil Shale	~ 3125-3425'
Wasatch	~ 4940'
Mesaverde	~ 7380'
Sego	~ 8890'
Buck Tongue	~ 9442'
Castlegate	~ 9504'

**2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:**

**Deepest Fresh Water:** ~ 2000', Uinta Formation.

**Oil Shale:** Oil shale is expected at a depth of approximately ~ 3125-3425'.

**Oil:** None expected.

**Gas:** Expected in the Green River Fm. from ~ 3700' to the top of the Wasatch Fm. Expected in the Wasatch Fm., exact depths unknown. Expected in the Mesaverde Fm., likely depths listed as the Segó and Castlegate, above.

**Protection of oil, gas, water, or other mineral bearing formations:** Protection shall be accomplished by cementing surface casing, protection casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

## RED WASH UNIT #316 - EIGHT POINT DRILLING PLAN

### 3. PRESSURE CONTROL EQUIPMENT:

#### For drilling 17.5" surface hole:

No BOP equipment required.

#### For drilling through 13.375" surface casing:

Maximum anticipated surface pressure  $\leq 3000$  psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 3000 psi equipment.

A casing head with an 13.625", 3000 psi flange shall be welded onto the 13.375" surface casing.

BOP stack will consist of a double gate preventor and an annular preventor. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlets or a drilling spool with side outlets. The BOP stack will be minimum 11" bore, 3000 psi working pressure. The choke and kill lines will be as per BLM minimum standards for 3000 psi working pressure. Please refer to attached schematics.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment.

#### For drilling through 8.625" protection casing:

Maximum anticipated surface pressure  $\leq 5000$  psi. Upcoming DST data in well Red Wash #305 may determine MASP to be  $< 3,000$  psi. If so, a sundry may be submitted that reflects that data in BOPE configuration and surface casing design.

Pressure control equipment shall be in accordance with BLM minimum standards for 5000 psi equipment.

A 13.625", 3000 psi X 11", 5000 psi casing head will be installed on top of the 13.625" SOW casing head.

## RED WASH UNIT #316 - EIGHT POINT DRILLING PLAN

BOP stack will consist of a double gate preventor and an annular preventor. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlets or a drilling spool with side outlets. The BOP stack will be minimum 11" bore, 5000 psi working pressure. The choke and kill lines will be as per BLM minimum standards for 5000 psi working pressure. Please refer to attached schematics.

Test procedure and frequency shall be in accordance with BLM minimum standards for 5000 psi equipment.

A rotating head will be used while drilling below the Wasatch Formation for control of gas cut mud.

### 4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

#### Casing Information:

Casing	Conn.	New/ Used	Stage Tool	Centralizers
13.375"	STC	New	NA	Three - One 10' up from shoe and on 1st and 3rd collars.
8.625"	STC	New	2500'	Six - One 10' above shoe, and on 1st, 2nd, 4th, 6th 8th collars
4.5"	LTC	New	NA	Per Chevron

#### Cement Information:

#### 13.375" Casing:

**Cement Type and Method:** Oilfield type cement circulated in. No plug used. Allowed to set under pressure.

## **RED WASH UNIT #316 - EIGHT POINT DRILLING PLAN**

**Slurry, Density and Fill:** Single slurry, 222 cf (188 sx @ 1.18 cf/sx) minimum plus excess as required. 15.6 ppg, Premium (Type A) + other additives as required. Fill - 320' to surface.

### **8.625" Casing:**

**Cement Type and Method:** Oilfield type cement circulated in. Tail plug used. Allowed to set under pressure.

#### **Slurry, Density and Fill:**

**Primary Lead:** 127 cf (34 sx @ 3.82 cf/sx) minimum plus excess as required. 11 ppg, Premium (Type A) + 16% gel + extender + LCM + other additives as required. Fill - 3000' to 2500' (fill to stage tool).

**Primary Tail:** 229 cf (194 sx @ 1.18 cf/sx) minimum plus excess as required. 15.6 ppg, Premium (Type A) + other additives as required. Fill - 3900' to 3000'.

**Stage Single Slurry:** 706 cf (185 sx @ 3.82 cf/sx) minimum plus excess as required. 11.0 ppg, Premium (Type A) + 16% gel + extender + LCM + other additives as required. Fill - 2500' to surface.

### **4.5" Casing:**

**Cement Type and Method:** Oilfield type cement circulated in. Tail plug used. Allowed to set under pressure.

**Slurry, Density and Fill:** Single slurry, 1335 cf (1141 sx @ 1.17 cf/sx) minimum with excess as required. 14.2 ppg, Premium (Class H)/pozmix + additives as required. Fill - 9650' to 3800'.

### **Drilling Equipment:**

Nothing special.

## RED WASH UNIT #316 - EIGHT POINT DRILLING PLAN

### 5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Entire well will be drilled with gyp water, brine water or water based drilling fluids consisting primarily of fresh or brine water, bentonite, attapulgate (salt gel), lignite, caustic, lime, soda ash and polymers. No chromates will be used.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from base of surface casing to TD.

### 6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

#### Logging:

Mud logging	6500' to TD.
Gamma Ray	TD-Surface Casing Shoe
Induction	TD-Surface Casing Shoe
Density/Neutron	TD-3500'
Sonic	TD-Surface Casing Shoe
Others	Tenative

#### Coring:

None planned.

#### Testing:

None planned.

**RED WASH UNIT #316 - EIGHT POINT DRILLING PLAN**

**7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H<sub>2</sub>S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:**

Normal pressure gradient to top of Green River Fm. Some slightly over-pressured gas and/or oil zones from top to base of Green River Fm. Some slightly overpressured gas zones from top of Wasatch Fm. to TD. All sands typically tight - drill underbalanced with water or unweighted mud.

Maximum expected BHP @ 9650': ~5307 psi (0.55 psi/ft.).

Maximum expected BHT @ 9650': ~174° F.

No other abnormal hazards are anticipated and no contingency plans are required.

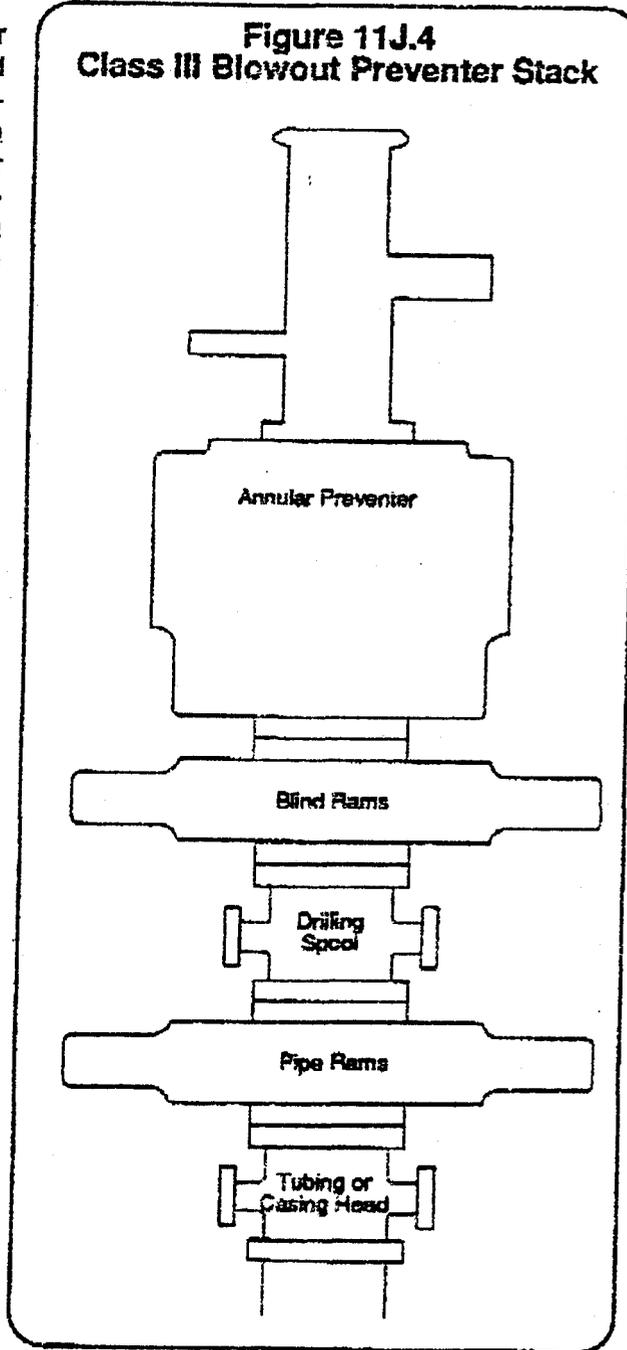
**8. OTHER:**

None.

E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate cut a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

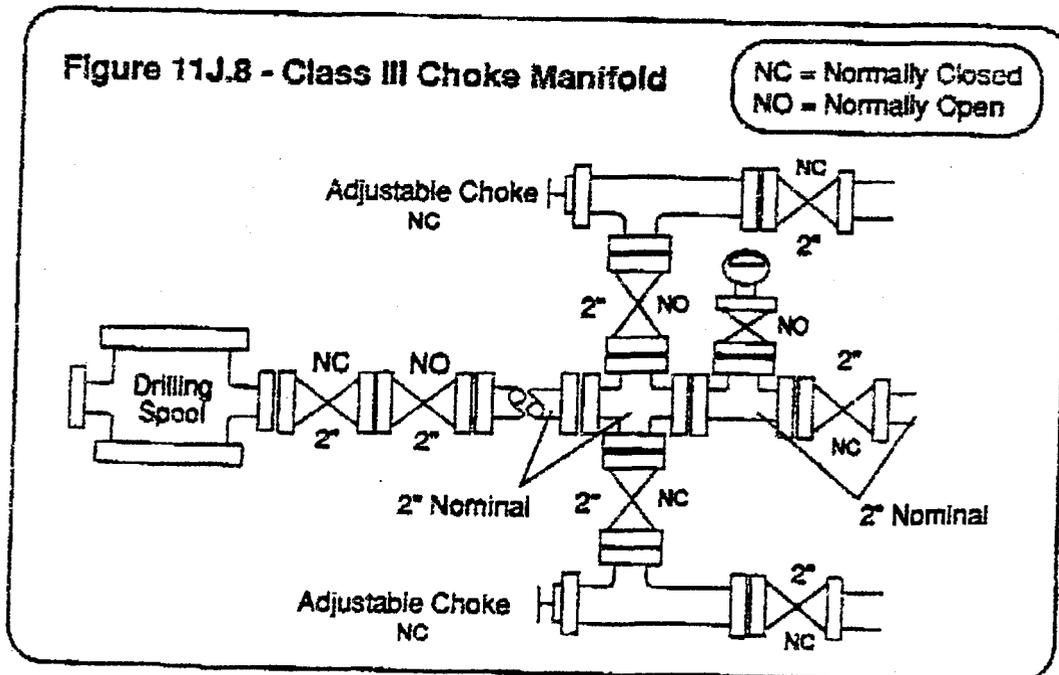
Figure 11J.4  
Class III Blowout Preventer Stack



**D. CLASS III CHOKE MANIFOLD**

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke lines at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
5. Includes a bleed line which runs straight through the cross and is isolated by a steel gate valve.
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
7. Returns through the choke manifold must be divertible through a mud-gas separator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.



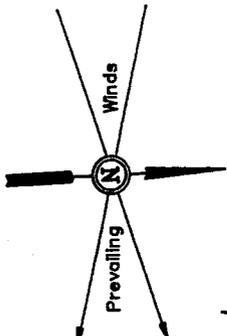
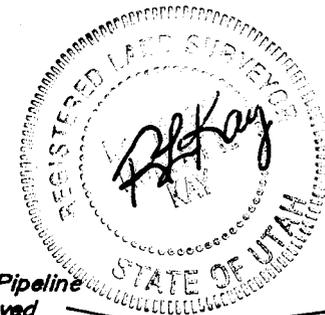
Rev. 1/1/89

CHEVRON USA, INC.

LOCATION LAYOUT FOR

RED WASH UNIT #316  
SECTION 4, T8S, R24E, S.L.B.&M.

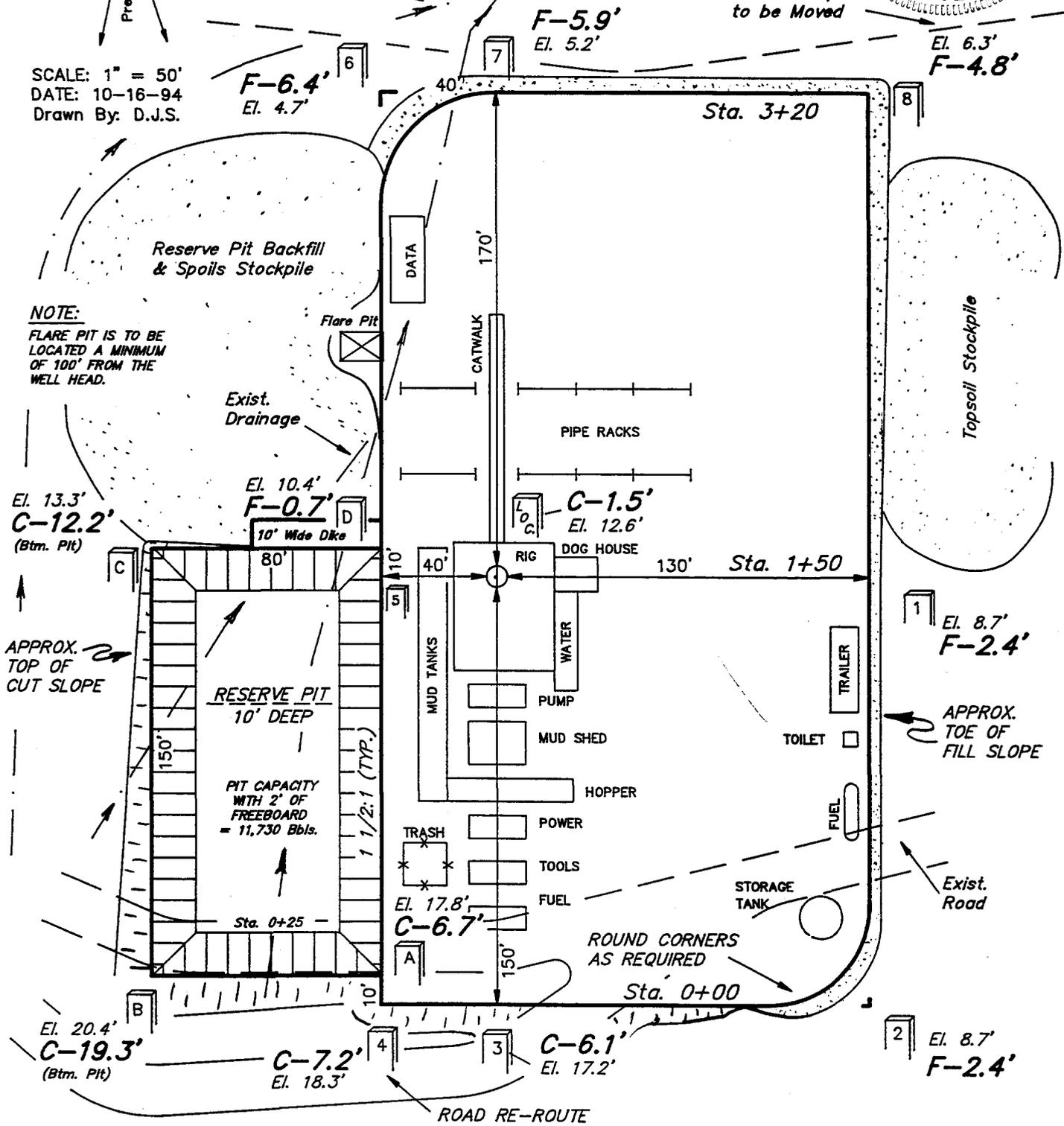
1022' FSL 804' FWL



SCALE: 1" = 50'  
DATE: 10-16-94  
Drawn By: D.J.S.

CONSTRUCT DIVERSION DITCH

Exist 4" Pipeline to be Moved



**NOTE:**  
FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

APPROX. TOP OF CUT SLOPE

APPROX. TOE OF FILL SLOPE

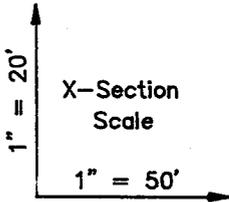
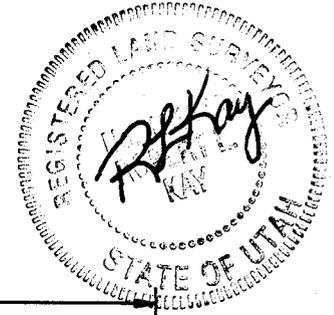
Elev. Ungraded Ground at Location Stake = 5512.6'  
Elev. Graded Ground at Location Stake = 5511.1'

FIGURE #1

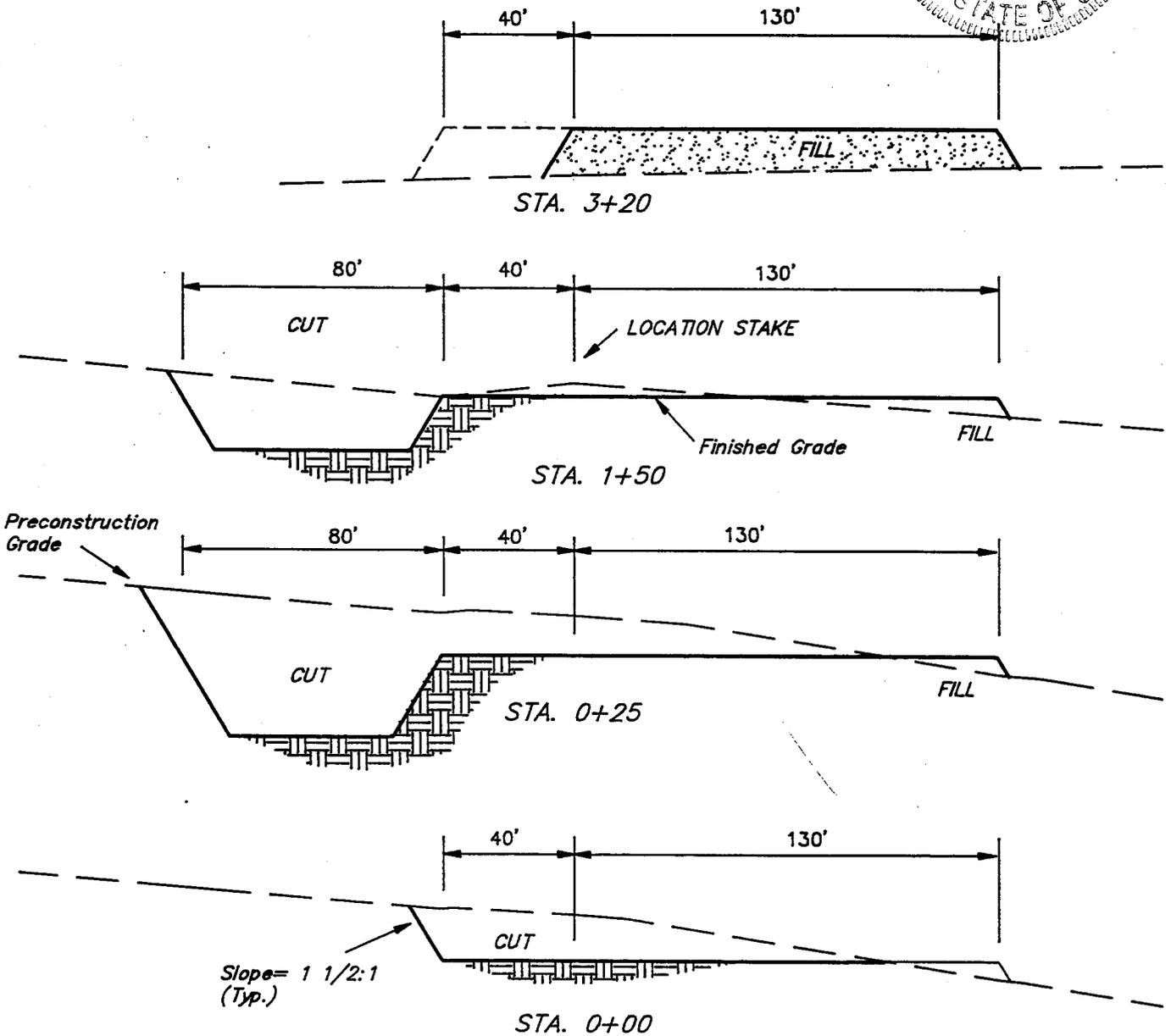
CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR

RED WASH UNIT #316  
SECTION 4, T8S, R24E, S.L.B.&M.  
1022' FSL 804' FWL



DATE: 10-16-94  
Drawn By: D.J.S.



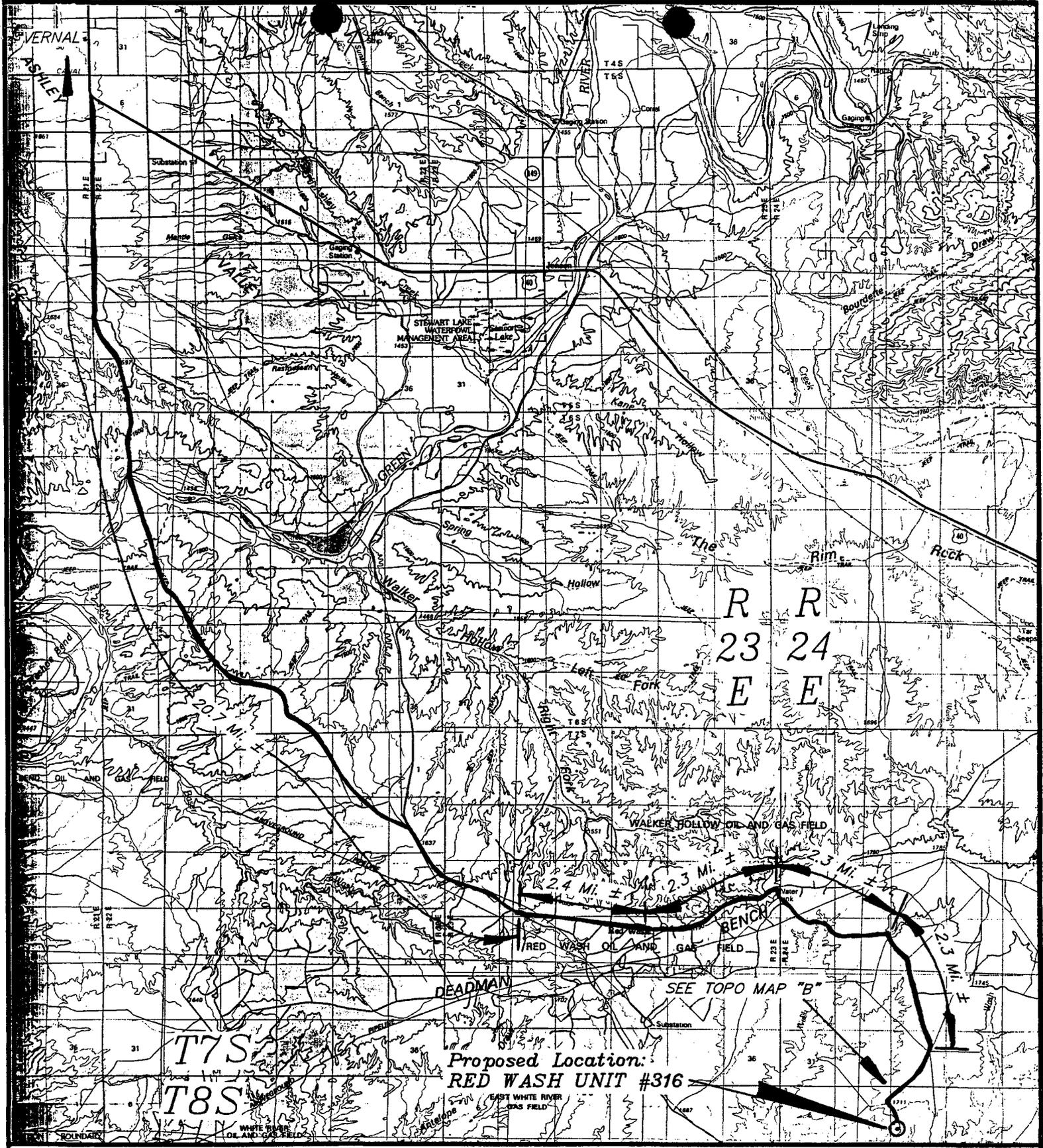
APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	=	1,230 Cu. Yds.
Remaining Location	=	6,420 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>7,650 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>4,540 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	=	2,870 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,870 Cu. Yds.
EXCESS CUT MATERIAL	=	0 Cu. Yds.

**FIGURE #2**



R R  
23 24  
E E

Proposed Location:  
RED WASH UNIT #316

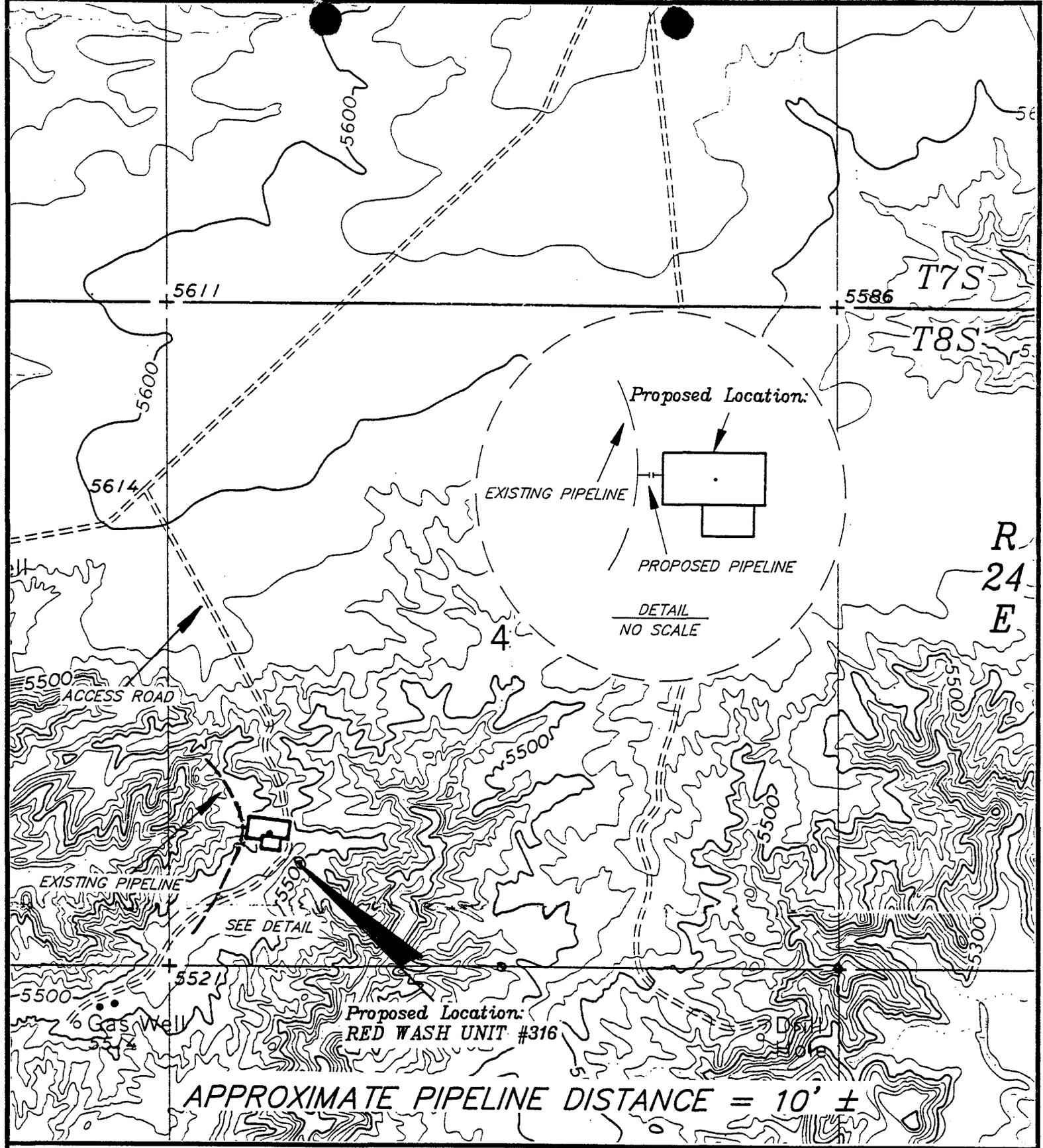
CHEVRON U.S.A. INC.

RED WASH UNIT #316  
SECTION 4, T7S, R24E, S.L.B.&M.  
1022' FSL 804' FWL

TOPOGRAPHIC  
MAP "A"

DATE: 10-16-94 J.D.S.





TOPOGRAPHIC  
MAP "C"

LEGEND:

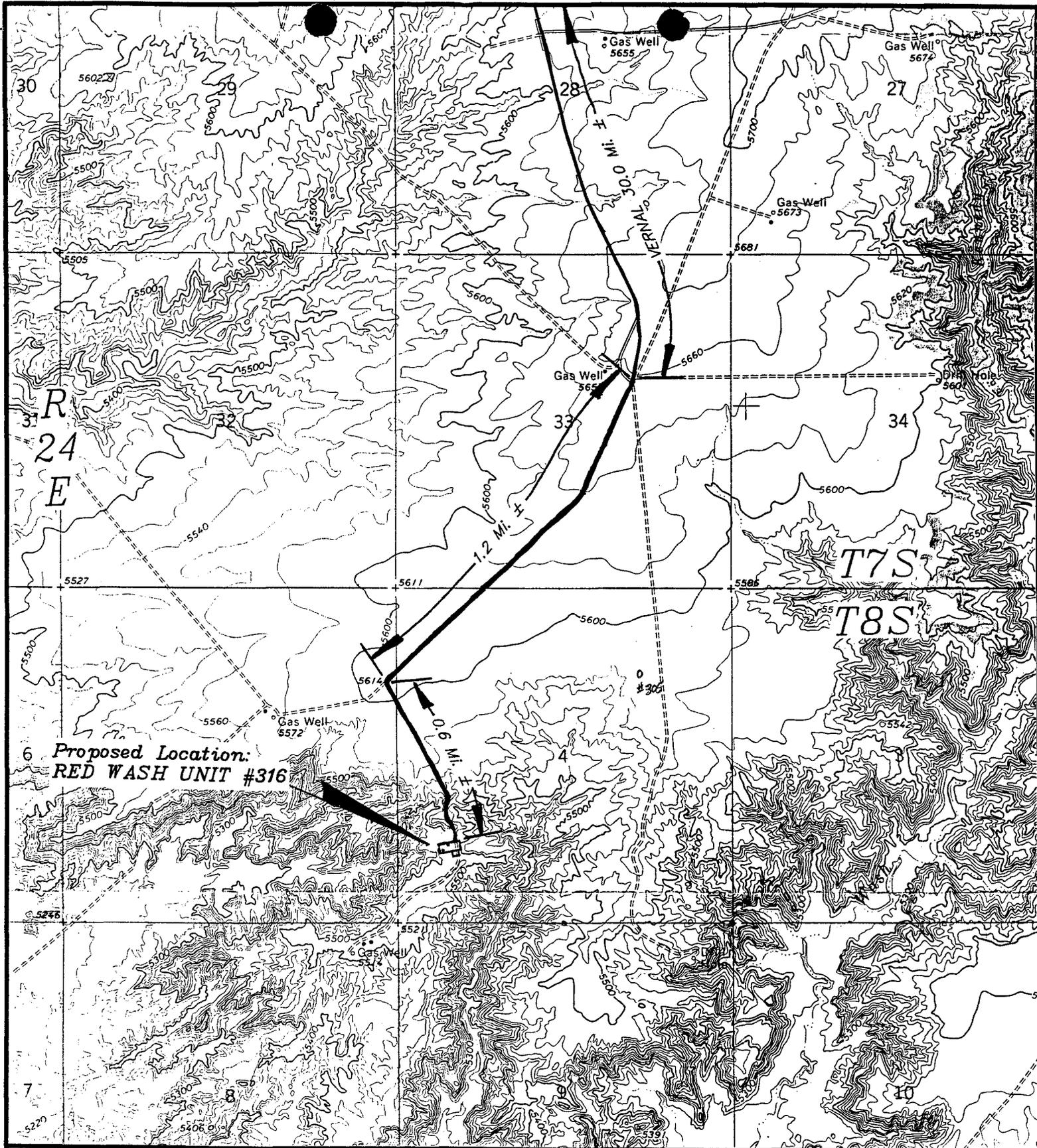
- EXISTING PIPELINE
- |-|-|-|- Proposed Pipeline



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

RED WASH UNIT #316  
SECTION 4, T8S, R24E, S.L.B.&M.

DATE: 10-26-94 J.D.S.



6 Proposed Location:  
**RED WASH UNIT #316**

**TOPOGRAPHIC  
 MAP "B"**

SCALE: 1" = 2000'  
 DATE: 10-16-94 J.D.S.



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

RED WASH UNIT #316  
 SECTION 4, T8S, R24E, S.L.B.&M.  
 1022' FSL 804' FWL

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/25/94

API NO. ASSIGNED: 43-047-32596

WELL NAME: RED WASH UNIT # 316  
OPERATOR: CHEVRON USA PROD. CO. INC (N0210)

PROPOSED LOCATION:  
SWSW 04 - T08S - R24E  
SURFACE: 1022-FSL-0804-FWL  
BOTTOM: 1022-FSL-0804-FWL  
UINTAH COUNTY  
RED WASH FIELD (665)

INSPECT LOCATION BY:    /    /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
LEASE NUMBER: U-0830

PROPOSED PRODUCING FORMATION: MVRD

RECEIVED AND/OR REVIEWED:

Y Plat  
Y Bond: Federal [ State [] Fee []  
          (Number U-89-75-81-34 )  
Y Potash (Y/N)  
Y Oil shale (Y/N)  
N Water permit  
          (Number 49-2153 )  
N RDCC Review (Y/N)  
          (Date: \_\_\_\_\_ )

LOCATION AND SITING:

R649-2-3. Unit: LTU63010-B  
\_\_\_\_ R649-3-2. General.  
\_\_\_\_ R649-3-3. Exception.  
\_\_\_\_ Drilling Unit.  
\_\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

December 13, 1994

Chevron USA Production Co., Inc.  
11002 East 17500 South  
Vernal, Utah 84078

Re: Red Wash Unit #316 Well, 1022' FSL, 804' FWL, SW SW, Sec. 4, T. 8 S., R. 24 E., Uintah County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
2. Notification to the Division within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.



Page 2

Chevron USA Production Co., Inc.

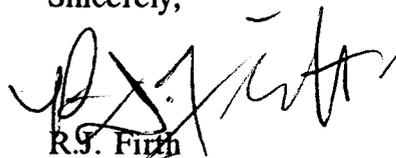
Red Wash Unit #316 Well

December 13, 1994

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32596.

Sincerely,



R.J. Firth  
Associate Director

ldc

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

WO11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

Form approved.  
Budget Bureau No. 1004-0136

DOGMA

RECEIVED  
 DEC 20 1994  
 DIV OF OIL, GAS & MINING

Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT NAME RED WASH UNIT	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS-WELL <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME, WELL NO. #316	
2. NAME OF OPERATOR CHEVRON USA PRODUCTION CO., INC.		9. API WELL NO. 43-047-32596	
3. ADDRESS AND TELEPHONE NO. 11002 EAST, 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4300		10. FIELD AND POOL, OR WILDCAT RED WASH MESAVERDE	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1022' FSL, 804' FWL, SWSW At proposed prod. zone SAME		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 4-T8S-R24E, SLB&M	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 31.8 miles to Vernal, UT		12. COUNTY OR PARISH UTAH	13. STATE UTAH
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1022'	16. NO. OF ACRES IN LEASE 2548.78	17. NO. OF ACRES ASSIGNED TO THIS WELL NA	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2183'	19. PROPOSED DEPTH 9650'	20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5513' (UNGRADED GROUND)		22. APPROX. DATE WORK WILL START* 12/10/94	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE. SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17.5"	13.375" H-40	48#	320'	222 cuft. (188 sx.), shoe to surface
11"	8.625" J-55	24#	3900'	1062 cuft. (413 sx.), shoe to surface
7.875"	4.5" P-110	11.6#	9650'	1335 cuft. (1141 sx.), shoe to 3800'

We propose to drill a 9650' well to test the Mesaverde Formation at this location. Enclosures:

- Certified Plat
- Thirteen Point Surface Use Plan With Attachments
- Eight Point Drilling Plan With Attachments
- Self-Certification Statement

NOV 21 1994

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *J. C. Culey* TITLE TEAM LEADER DATE 11-22-94

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY: **NOTICE OF APPROVAL** CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

APPROVED BY *Howard B. Leavins* TITLE ASSISTANT DISTRICT MANAGER UTAH DATE DEC 15 1994

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Chevron USA Production Co., Inc.

Well Name & Number: Red Wash 316

API Number: 43-047-32596

Lease Number: UTU-0830

Location: SWSW Sec. 24 T. 8S R. 24E

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The surface BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for a **3M** system for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. A test plug will need to be used in testing the BOPE. Chart recorders shall be used for all pressure tests.

The intermediate BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for a **5M double ram** system for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. A test plug will need to be used in testing the BOPE. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

The surface casing **shall** be cemented back to surface either during the primary cement job or by remedial cementing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200' above the base of the Usable Water Zone identified at  $\pm$  5528'. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

As per Onshore Oil and Gas Order No. 2 sufficient quantities of mud materials will be maintained or readily accessible for the purpose of well control.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run at a minimum from the production casing shoe to  $\pm$  5328' and shall be utilized to determine the top of cement (TOC) and bond quality for production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman                   (801) 789-7077  
Petroleum Engineer

Wayne Bankert               (801) 789-4170  
Petroleum Engineer

BLM FAX Machine           (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM  
OF THE APPLICATION FOR PERMIT TO DRILL

Location of Existing and/or Proposed Facilities

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

\*Burning will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BLM administered lands:

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

If blasting is required to construct the pit, the pit will be lined. Otherwise it will be leak tested to determine if a liner is needed or lined to conserve water at the option of Chevron.

"If a plastic nylon reinforced liner is used, it will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O."

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B (Onshore Order No. 7), an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a. 39-inch net wire shall be used with at least one strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).

- b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

#### Plans for Restoration of Surface

##### a. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 1 year from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

##### b. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

#### Other Additional Information

- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

#### Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED NOV 25 1994

Form approved. Budget Bureau No. 1004-0136 Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN WELLS FOR OIL, GAS & MINING

1. TYPE OF WORK: DRILL [X] DEEPEN [ ]
2. NAME OF OPERATOR: CHEVRON USA PRODUCTION CO., INC.
3. ADDRESS AND TELEPHONE NO.: 11002 EAST, 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4300
4. LOCATION OF WELL: 1022' FSL, 804' FWL, SWSW
12. COUNTY OR PARISH: UTAH 13. STATE: UTAH
16. NO. OF ACRES IN LEASE: 2548.78
17. NO. OF ACRES ASSIGNED TO THIS WELL: NA
19. PROPOSED DEPTH: 9650'
20. ROTARY OR CABLE TOOLS: ROTARY
22. APPROX. DATE WORK WILL START: 12/10/94

PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, GRADE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 17.5" H-40, 11" J-55, and 7.875" P-110.

We propose to drill a 9650' well to test the Mesaverde Formation at this location. Enclosures:

- Certified Plat
Thirteen Point Surface Use Plan With Attachments
Eight Point Drilling Plan With Attachments
Self-Certification Statement

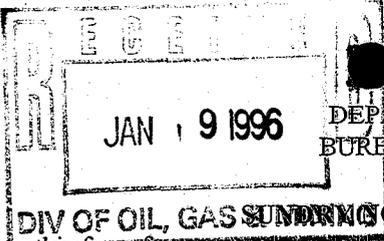
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE TEAM LEADER DATE 11-22-94

PERMIT NO. 43-047-32596 APPROVAL DATE APPROVED BY THE STATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY: DATE: 12/13/94 BY: [Signature]

APPROVED BY [Signature] TITLE [Signature] \*See Instructions On Reverse Side WELL SPACING 649-2-3



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**DIV OF OIL, GAS AND MINING NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.  
USA U-0830

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
RED WASH UNIT

8. Well Name and No.  
RED WASH UNIT 316

9. API Well No.  
43-047-32596

10. Field and Pool, or Exploratory Area  
RED WASH - GREEN RIVER

11. County or Parish, State  
UINTAH, UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil  Gas   
Well  Well  Other

2. Name of Operator  
CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No.  
11002 E. 17500 S. VERNAL, UT 84078-8526  
Steve McPherson in Red Wash (801) 781-4310  
or Gary Scott in Rangely, CO. (970) 675-3791

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1022' FSL & 804' FWL (SW SW) SECTION 4, T8S, R24E, SLBM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>EXTENSION</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

CHEVRON IS REQUESTING A 1 YEAR EXTENSION ON OUR APPLICATION TO DRILL PERMIT WHICH WAS APPROVED 12/14/95.  
A COPY OF THE APPROVED APPLICATION IS ATTACHED.

14. I hereby certify that the foregoing is true and correct.  
Signed G.D. SCOTT *G.D. Scott* Title DRILLING TECHNICIAN Date January 16, 1996

(This space for Federal or State Office Use)  
Approved by *P. Matthews* Title *Petroleum Engineer* Date 1/22/96  
Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes 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.

1/23/96



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

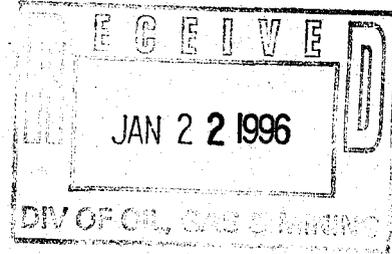
Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:  
3162  
UT08438

January 17, 1996

Chevron U.S.A. Production Co.  
P O Box 455  
Vernal, Utah 84078

*DOG-M  
LA date*  
→



Re: Notification of Expiration  
Well No. 316 *43-047-32596*  
Section 4, T8S, R24E  
Lease No. U-0830  
Uintah County, Utah

Gentlemen:

The Application for Permit to Drill the above-referenced well was approved on December 15, 1994. Since that date no known activity has transpired at the approved location. Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann  
Legal Instruments Examiner

cc: State Div. OG&M

*1/28/96: BLM advised that approval has been extended.*

12/31/96



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

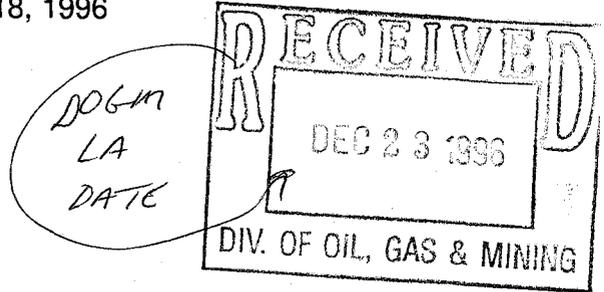
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:  
3162  
UT08300

December 18, 1996

Chevron USA Production Co. Inc.  
Attn: J. T. Conley  
11002 E 17500 S  
Vernal, UT 84078-8526



Re: Notification of Expiration  
Well No. RWU 316  
Section 4, T8S, R24E  
Lease No. U-0830  
Uintah County, Utah

43-047-32596

Dear Mr. Conley:

The Application for Permit to Drill the above-referenced well was approved on December 15, 1994. A one (1) year extension of the original APD was requested. The request was reviewed and the extension approved until December 15, 1996. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann  
Legal Instruments Examiner

cc: State Div. OG&M

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other

2. Name of Operator  
**CHEVRON U.S.A. PRODUCTION COMPANY**

3. Address and Telephone No  
**11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1022' FSL & 804' FWL (SW SW) SECTION 4, T8S, R24E, SLBM**

5. Lease Designation and Serial No.  
**USA U-0830**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA, Agreement Designation  
**RED WASH UNIT**

8. Well Name and No.  
**RED WASH UNIT 316**

9. API Well No.  
**43-047-32596**

10. Field and Pool, or Exploratory Area  
**RED WASH - GREEN RIVER**

11. County or Parish, State  
**UINTAH, UTAH**

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

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	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**The location was built for this well. Well was not drilled. Location will be rehabilitated in the spring when weather permits.**

14. I hereby certify that the foregoing is true and correct.  
Signed DC Janner Title Computer Systems Operator Date 1/23/97

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
See instruction on Reverse Side

**RECEIVED**  
JAN 27 1997  
DIV. OF OIL, GAS & MINING