

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-355	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL	
2. NAME OF OPERATOR MOBIL EXPLORATION & PRODUCING U.S. INC			7. UNIT AGREEMENT NAME RATHERFORD UNIT	
3. ADDRESS OF OPERATOR P O BOX 633 Midland, Tx 79703			8. FARM OR LEASE NAME RATHERFORD UNIT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2446 FEL, 2511 FSL At proposed prod. zone BHL 902 FNL, 929 FWL			9. WELL NO. 21-77	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles SE of Montezuma Creek, Utah			10. FIELD AND POOL, OR WILDCAT GREATER ANETH	
15. DISTANCE FROM PROPOSED* approx. 2300' FSL of the LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Unit Boundary		16. NO. OF ACRES IN LEASE 2161	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 648' SE from RU #21-33		19. PROPOSED DEPTH TVD-5600 MD-9535	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GL-4602			22. APPROX. DATE WORK WILL START* May 1995	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	84#	80'	200 sx of CL 'B'
14 3/4"	10 3/4"	40.5#	1600'	625 sx of CL 'B'
9 1/2"	7 5/8"	29.7#	5600'	340sx CL 'G' 100sx CL 'B' Neat

SEE ATTACHED 8 POINT DRILLING CONTROL FOR ADDITIONAL INFORMATION

THIS PRODUCTION AREA HAS H2S; THEREFORE, MONITORING AND SAFETY EQUIPMENT ARE REQUIRED. SAFETY EQUIPMENT WILL BE RIGGED UP BY 3000'. FEDERAL REQUIREMENTS FOR EQUIPMENT ON THIS WELL ARE AS FOLLOWS:

- | | | | | | |
|---|---|-------|-------|--------------|-------|
| <ol style="list-style-type: none"> 1) FLARE LINE AND MEANS OF IGNITION 2) REMOTE CONTROLLED CHOKE 3) ESCAPE BREATHING APPARATUS FOR ALL CREW MEMBERS 4) H2S SENSORS AND ASSOCIATED AUDIBLE/VISUAL ALARM(S) 5) AT LEAST ONE(1) PORTABLE H2S MONITOR 6) WIND DIRECTION INDICATORS 7) CAUTION/DANGER SIGN(S) AND FLAGS(S) 8) MUD-GAS SEPARATOR 9) COMMUNICATION FROM WELLSITE | <p>APPROXIMATE H2S LEVELS FOR THE FOLLOWING ZONES:</p> <table border="0"> <tr> <td>ISMAY</td> <td>80ppm</td> </tr> <tr> <td>DESERT CREEK</td> <td>60ppm</td> </tr> </table> | ISMAY | 80ppm | DESERT CREEK | 60ppm |
| ISMAY | 80ppm | | | | |
| DESERT CREEK | 60ppm | | | | |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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.

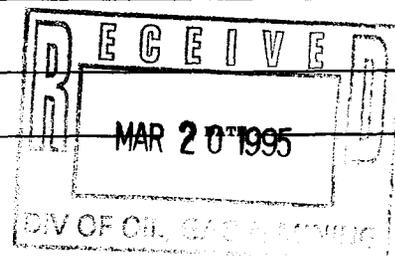
24. SIGNED Shirley Robertson TITLE ENV. & REG. TECHNICIAN DATE 3-16-95

(This space for Federal or State office use)

PERMIT NO. 43-037-31758 APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO TRIBAL

7. UNIT AGREEMENT NAME
RATHERFORD UNIT

8. FARM OR LEASE NAME
RATHERFORD UNIT

9. WELL NO.
21-77

10. FIELD AND POOL, OR WILDCAT
GREATER ANETH

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
SEC. 21, T41S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MOBIL EXPLORATION & PRODUCING U.S. INC

3. ADDRESS OF OPERATOR
P O BOX 633 Midland, Tx 79703

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
2446 FEL, 2511 FSL
At proposed prod. zone
BHL 902 FNL, 929 FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
4 miles SE of Montezuma Creek, Utah

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest 6th. unit line, if any)
approx. 2300' FSL of the Unit Boundary

16. NO. OF ACRES IN LEASE
2161

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.
648' SE from RU #21-33

19. PROPOSED DEPTH
TVD-5600 MD-9535

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.) THIS ACTION IS SUBJECT TO TECHNICAL and procedural review pursuant to 43 CFR 3166.3 and appeal pursuant to 43 CFR 3166.4.
GL-4602

22. APPROX. DATE WORK WILL START*
May 1995

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	84#	80'	200 sx of CL 'B'
14 3/4"	10 3/4"	40.5#	1600'	625 sx of CL 'B'
9 1/2"	7 5/8"	29.7#	5600'	340sx CL 'G' 100sx CL 'B' Neat

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLY WITH ATTACHED "GENERAL REQUIREMENTS"

SEE ATTACHED 8 POINT DRILLING CONTROL FOR ADDITIONAL INFORMATION

THIS PRODUCTION AREA HAS H2S; THEREFORE, MONITORING AND SAFETY EQUIPMENT ARE REQUIRED. SAFETY EQUIPMENT WILL BE RIGGED UP BY 3000'. FEDERAL REQUIREMENTS FOR EQUIPMENT ON THIS WELL ARE AS FOLLOWS:

- 1) FLARE LINE AND MEANS OF IGNITION
- 2) REMOTE CONTROLLED CHOKE
- 3) ESCAPE BREATHING APPARATUS FOR ALL CREW MEMBERS
- 4) H2S SENSORS AND ASSOCIATED AUDIBLE/VISUAL ALARM(S)
- 5) AT LEAST ONE(1) PORTABLE H2S MONITOR
- 6) WIND DIRECTION INDICATORS
- 7) CAUTION/DANGER SIGN(S) AND FLAGS(S)
- 8) MUD-GAS SEPARATOR
- 9) COMMUNICATION FROM WELLSITE

APPROXIMATE H2S LEVELS FOR THE FOLLOWING ZONES:
ISMAY 80ppm
DESERT CREEK 60ppm

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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.

SIGNED Shirley Robinson TITLE ENV. & REG. TECHNICIAN DATE 3-16-95

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

APPROVED AS AMENDED

OPERATOR

SEP 01 1995
DISTRICT MANAGER

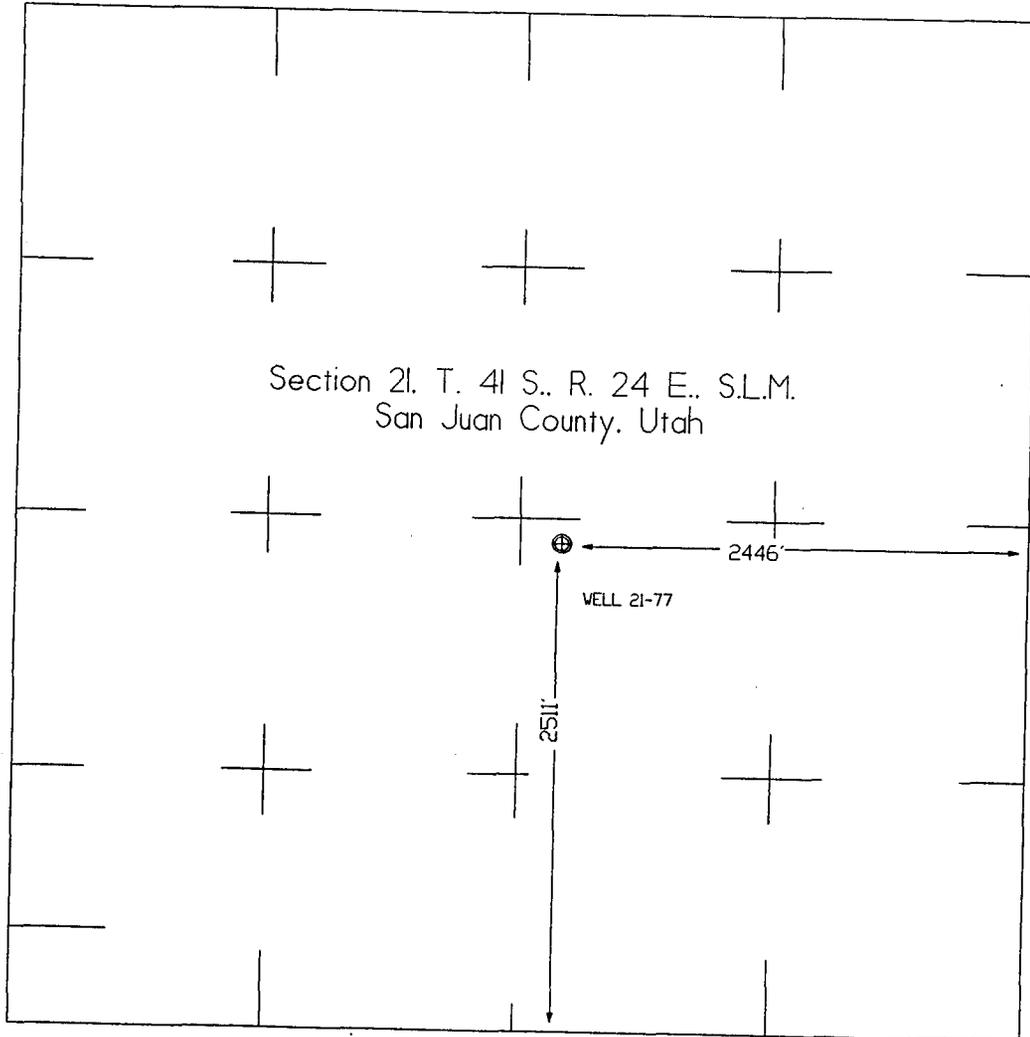
*See Instructions On Reverse Side

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.

MOBIL OIL COMPANY
 WELL 21-77
 RATHERFORD UNIT, SECTION 21
 T. 41 S., R. 24 E., S.L.M., SAN JUAN COUNTY, UTAH
 FEB 8, 1995

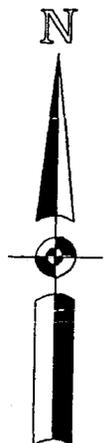
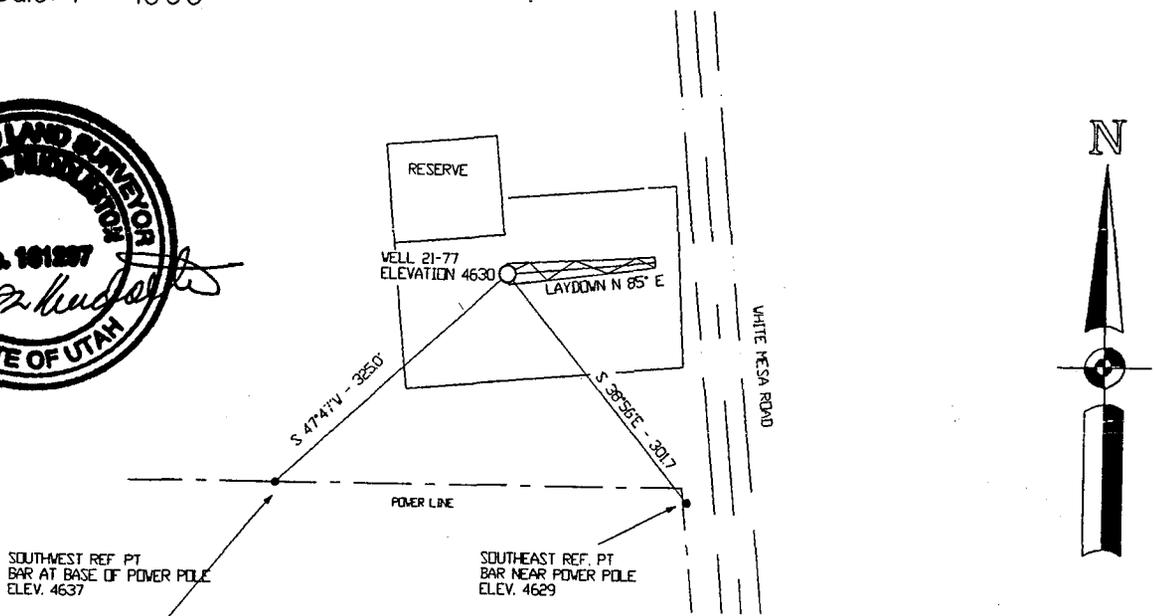
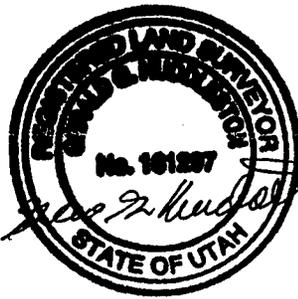
Page 1 of 3

MOBIL OIL COMPANY
 Well 21-77
 Ratherford Unit, NW/4 SE/4 Section 21



Section 21, T. 41 S., R. 24 E., S.L.M.
 San Juan County, Utah

Scale: 1" = 1000'



Scale: 1" = 200'



MANESS & Associates Inc.
 REGISTERED LAND SURVEYORS

P.O. BOX 1163 - 190 NORTH MILDRED - CORTEZ, CO. 81321 - PHONE: 303/565-8815

Mobil Oil Corporation
Ratherford Unit # 21-77
2511' FSL and 2446' FEL
Section 21, T-41-S, R-24-E
San Juan County, Utah

Eight Point Drilling Program

1. ESTIMATED FORMATION TOPS*

<u>Formation Name</u>	<u>Depth from GL</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Chinle	1409'	1421'	3221'
DeChelly SS	2584'	2596'	2046'
Hermosa LS	4529'	4541'	101'
Ismay LS	5354'	5366'	-724'
L. Ismay LS	5458'	5460'	-828'
Gothic Shale	5502'	5514'	-872'
Desert Creek I	5521'	5580'	-891'
Total Depth (TD)	±5570' (±9535' MD)	5582'	-940'

* All depths true vertical depths (TVD) based on ground level of 4630'

2. NOTABLE ZONES

The estimated formation top depths from GL at which water, oil, gas, or other mineral bearing zones may be encountered are:

<u>Possible Water Zone</u>	<u>Possible Coal Zone</u>	<u>Possible Oil or Gas Zones⁰</u>
DeChelly SS (2584')		Desert Creek I (5521' TVD)

Propose to drill, complete, and equip an oil producer in the Desert Creek formation.

The well will be cased throughout its length and cemented to the surface, if possible.

3. PRESSURE CONTROL (See "5" on Page 3)

The drilling contract has not yet been awarded, thus the exact types of BOP's to be used are not yet known. Examples of a typical BOP and choke manifold are on Page 4. Maximum anticipated surface pressure will be 2,000 psi.

Once out from under the surface casing, a minimum 11" 3,000 psi system will be used with two hydraulic rams (blind/pipe). The choke manifold will have a minimum 3,000 psi rating.

BOP's will be tested to their working pressure after nipping up and after any use under pressure. Pipe rams will be function tested daily. Blind rams will be function tested after each trip out of the hole. BOP tests will be recorded on IADC reports.

Upper and lower kelly valves, floor safety valve, and drill string inside BOP rated at a minimum 3,000 psi will be maintained on the floor at all times. Upper and lower kelly valves, with handle available, will be in use at all times. Back pressure and full opening drill string safety valves to fit all drill strings in use will be available on the rig floor at all times.

Mobil Oil Corporation
 Ratherford Unit # 21-77
 2511' FSL and 2446' FEL
 Section 21, T-41-S, R-24-E
 San Juan County, Utah

4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
20"	16"	84#	K55	BT&C	New	0' - 80'
14-3/4"	10-3/4"	40.5#	J55	ST&C	New	0' - 1600'
9-1/2"	7-5/8"	29.7#	L80	LT&C	New	0' - 5600' TVD (±5834' MD)

Surface Casing (0' to 80'): Cement to surface with ± 200 sxs (236 ft3) of class B + 2% CaCl₂ + 0.25 pps Cell Flakes. Density = 15.6 ppg, Yield = 1.18 ft³/sx. Two centralizers will be required

Intermediate Casing (0' to 1600'): Cement to surface with ±250 sxs (460 ft³) Class B + 2% CaCl₂ (Density = 12.4 ppg, Yield = 1.84 ft³/sx) and ±375 sxs (443 ft³) of Class B + 2% CaCl₂ (Density = 15.6 ppg, Yield = 1/18 ft³/sx) Total of 12 centralizers and one stop collar. One on the shoe joint and one every fourth collar to 200' from surface.

Production Casing (0' to TD): Cement to surface in 2 stages.

1st Stage

Lead 150 sxs G + 3% econolite (405 ft³, Density = 11.5 ppg, Yield = 2.7 ft³/sx)

Tail 140 sxs G + 3 gps Latex 2000 (161 ft³, Density = 15.8 ppg, Yield = 1.15 ft³/sx)

2nd Stage

Lead 150 sxs B + 3% econolite (405 ft³, Density = 11.5 ppg, Yield = 2.7 ft³/sx)

Tail 100 sxs B neat (118 ft³, Density = 15.6 ppg, Yield = 1.18 ft³/sx)

Total of 17 centralizers and 3 stop collars. One centralizer on the float shoe then every fourth collar.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0' - 1600'	FW/Spud Mud	8.4 - 8.8	35 - 45	NC
1600' - 5000'	FW/PHPA	9.0 - 11.5	36 - 48	NC
5000' - TD'	FW/PHPA	9.0 - 11.5	36 - 48	10 - 15

6. CORING, TESTING, AND LOGGING

No cores are currently planned. Neutron, Dual Induction, and Sonic logs may be run. A few RFT tests may also be run.

7. DOWNHOLE CONDITIONS

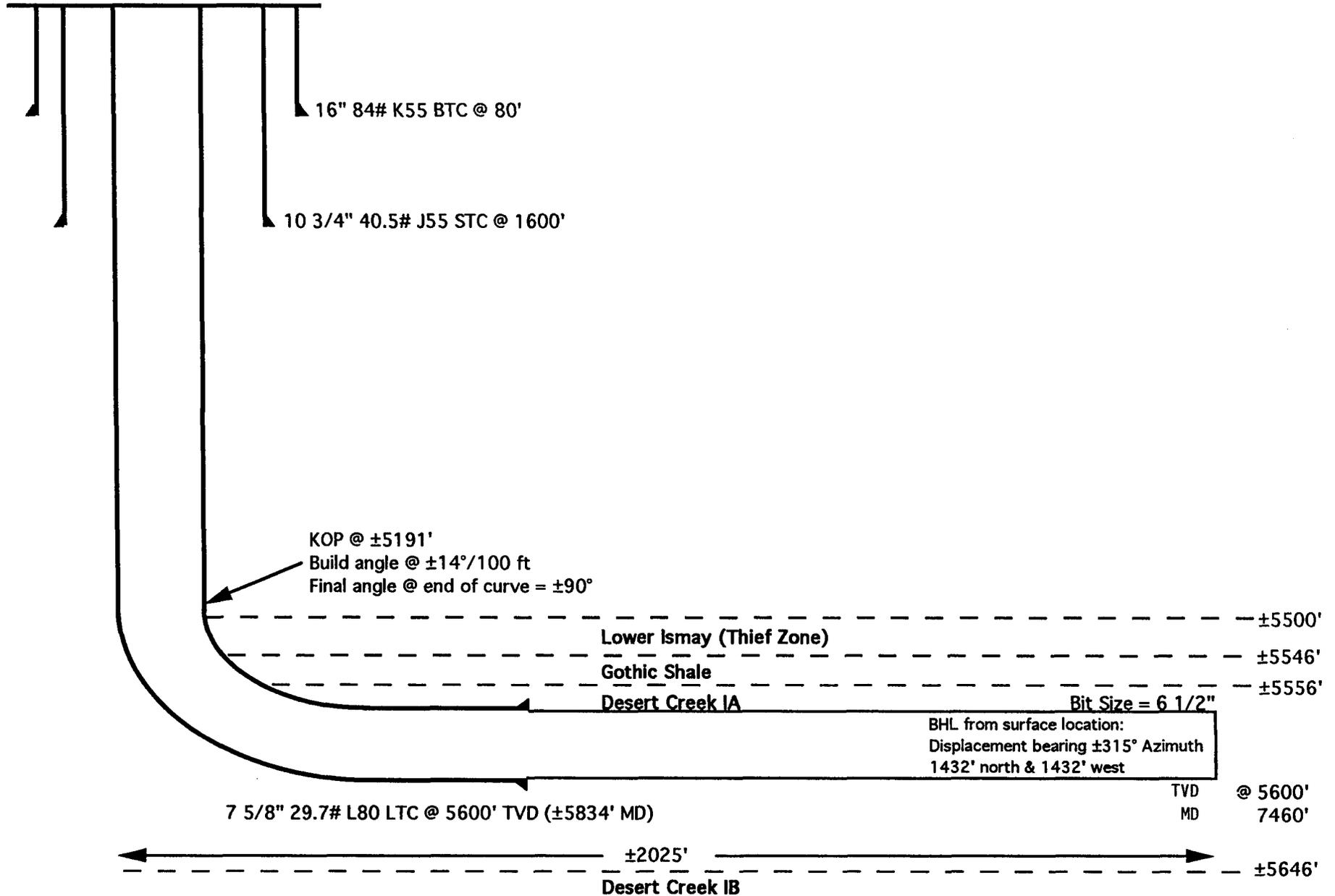
Possible water flows in the DeChelly formation may be encountered.

8. MISCELLANEOUS

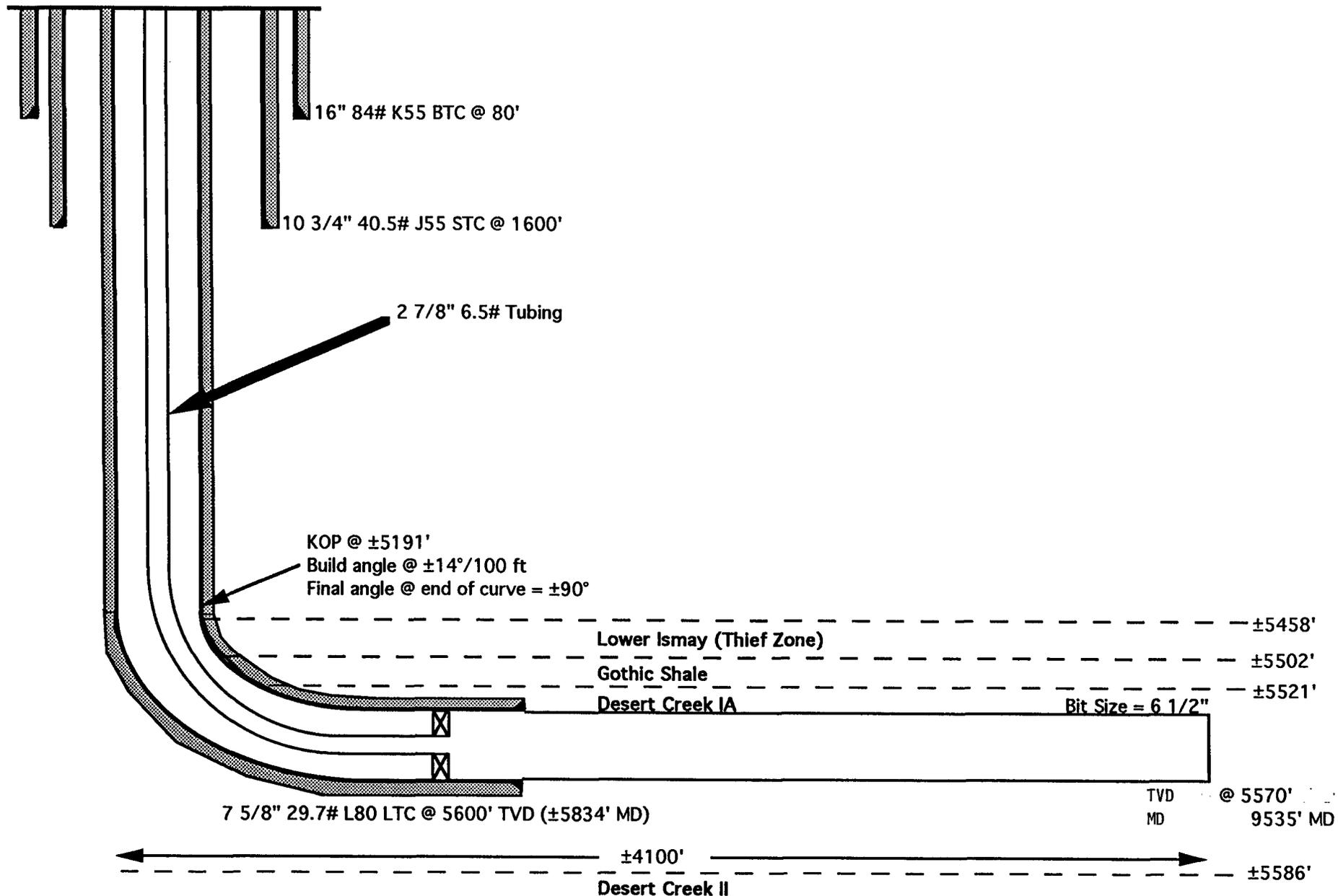
It is expected to take ±30 days to drill the well and ±10 days to complete the well.

RATHERFORD UNIT #21-77 PROPOSED WELL DIAGRAM

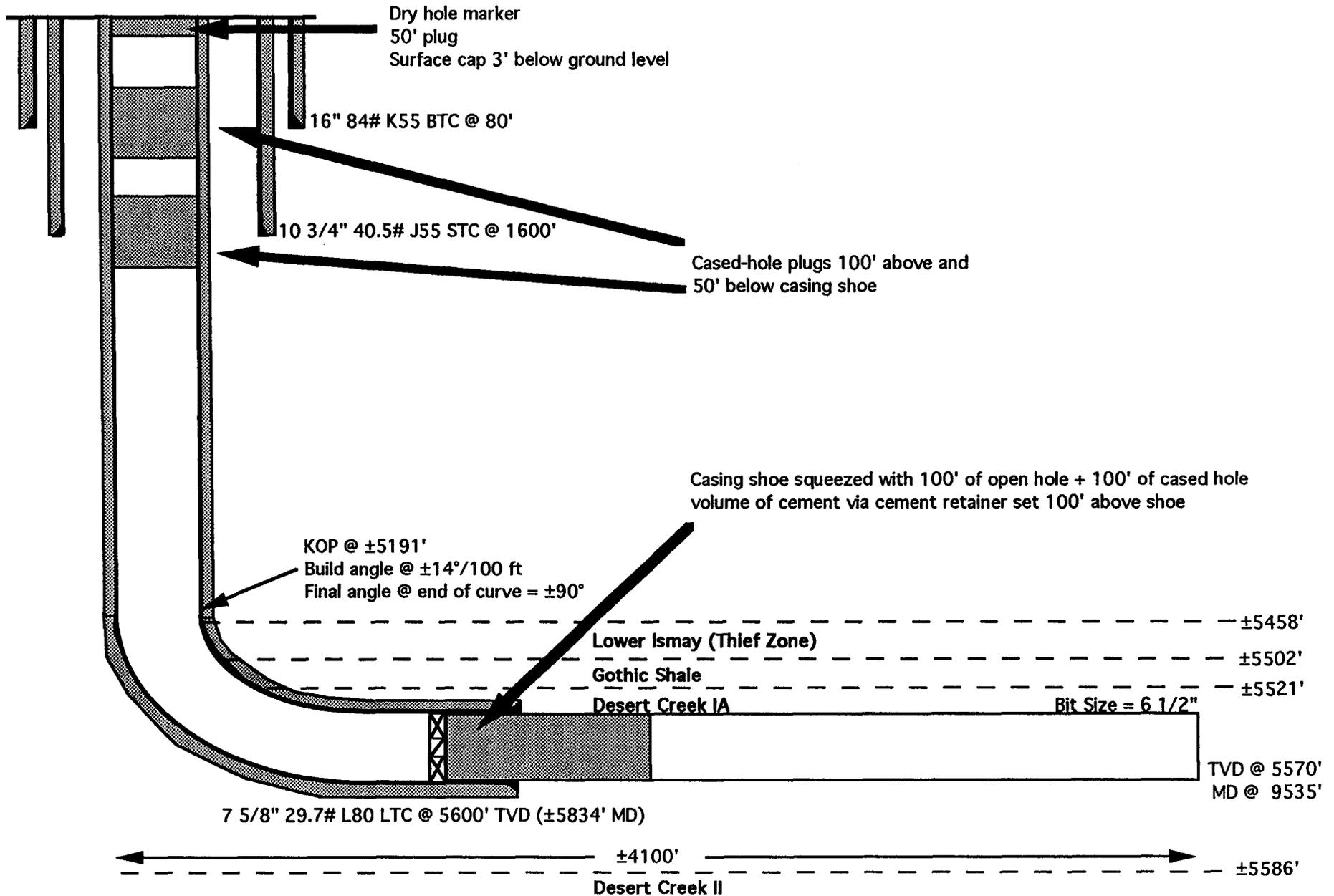
Surface Location:
Section 21 TWP 41S RGE 24E
2511 FSL & 2446 FEL
San Juan County, Utah



RATHERFORD UNIT #21-77 PROPOSED COMPLETION DIAGRAM

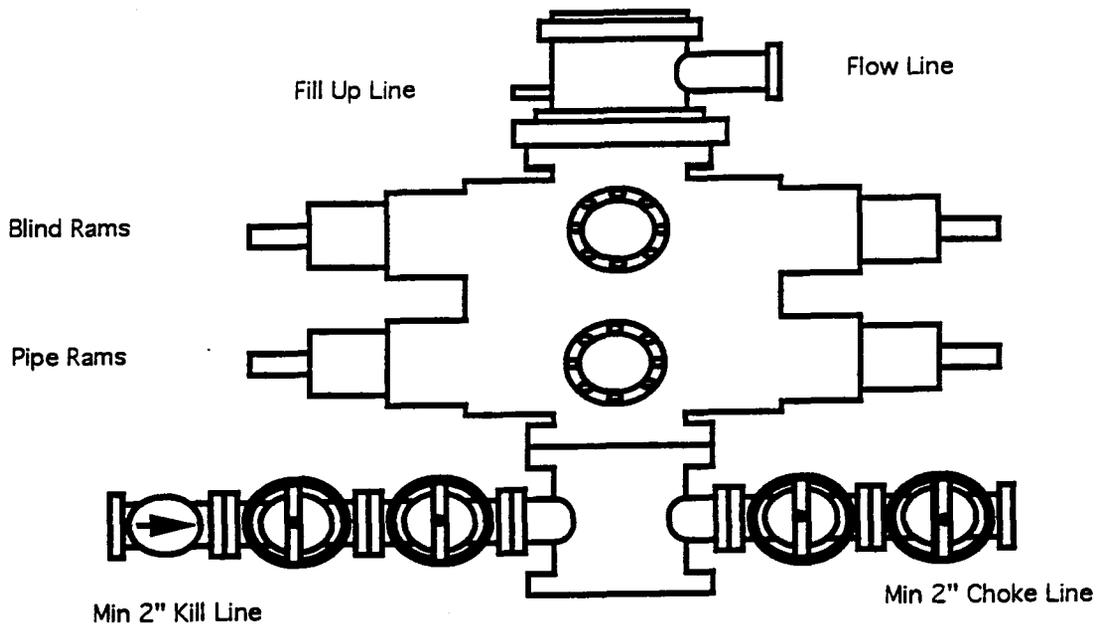


RATHERFORD UNIT #21-77 PROPOSED P&A DIAGRAM

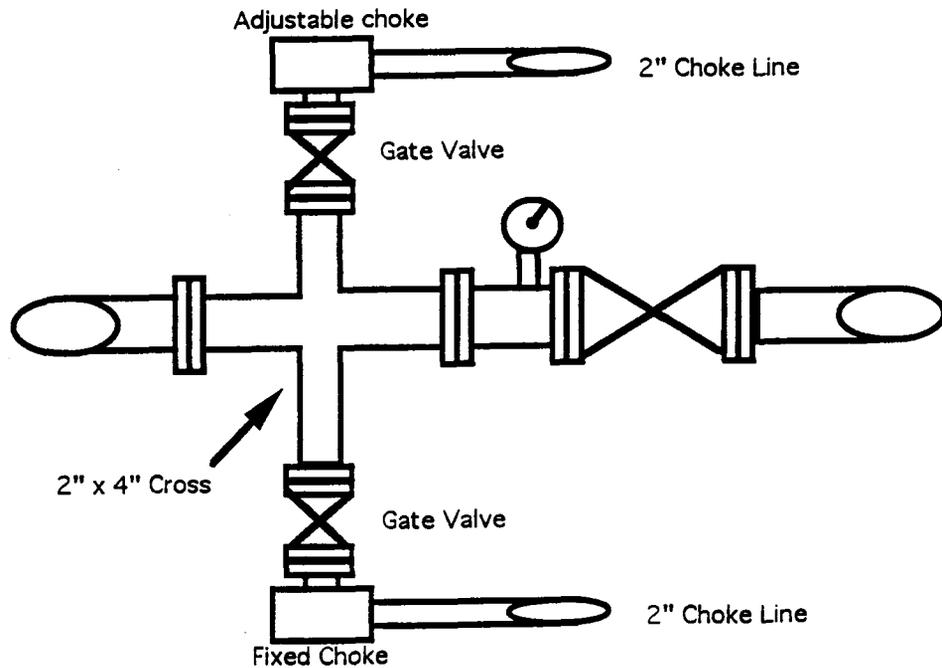


Mobil Oil Corporation
Typical Rutherford Unit Well
San Juan Co., Utah

BOP Equipment
11" x 3000 psi Working Pressure



Choke Manifold
3000 psi



Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-77
2511' FSL & 2446' FEL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

1. DIRECTIONS & EXISTING ROADS

From the Montezuma Creek Post Office, go S 0.6 mi. on BIA Road N-5064. Then turn left and go SE 2.75 mi. on paved BIA Road N-35. Then turn left and go E and S 1.45 mi. on the dirt White Mesa Road. Then turn right and go W 20' to the wellsite.

Roads will be maintained to a standard at least equal to their present condition. Existing roads need no upgrading.

2. ROAD TO BE BUILT OR UPGRADED

About 20' of new road will be built. Running surface will be \approx 16' wide. Maximum disturbed width will be \approx 30'. No gate, culvert, or cattleguard is needed. Two surface pipelines owned by Mobil which are between the pad and existing road will be padded with dirt for protection. Maximum grade will be 3%. Maximum cut or fill will be 3'.

3. EXISTING WELLS

There are 18 oil, 10 injection, 6 P&A wells, and 1 planned oil well within a mile. All existing or planned wells are within the Ratherford Unit and are shown on an attached map. There are no gas or water wells.

4. PROPOSED PRODUCTION FACILITIES

The well initially will be an oil well. Later, the oil well will be converted to an injection well. A coated (internal and external) injection pipeline would be laid \approx 2825' to just northeast of the 21-21 well. The \approx 3-1/2" OD welded steel or coiled steel tubing injection line

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-77
2511' FSL & 2446' FEL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

will operate at ≈ 1500 to ≈ 3500 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, and will be buried at least 30" deep. The southmost $\approx 950'$ of the injection line will parallel a road, two existing surface flowlines, and a proposed surface flowline. The next $\approx 350'$ will parallel a road. The northmost $\approx 1,525'$ will parallel a buried pipeline. All parallel pipelines are Mobil lines. All of the $\approx 2,825'$ are within the unit. A buried Elkhorn gas line will be crossed. Fill material will be removed from all drainages and the drainages returned to their natural form.

An uncoated surface flowline of the same type will run north $\approx 950'$ parallel with the road, two surface flowlines, and the proposed buried injection line. The flowline will then turn southwest and parallel the flowlines $\approx 1,350'$ to the Section 21 Satellite. Surface disturbance will be limited to that necessary for pipeline construction.

A raptor proof three phase powerline will be built south $\approx 100'$ to an existing Mobil powerline.

Above ground structures and equipment (only a pumpjack is planned) will be painted with non-glare sand (federal standard 595a-30277) or Mobil beige 12-F-38 color.

5. WATER SUPPLY

Water will be trucked from off the reservation. Mobil has permission from the land/well owner and State Engineer.

6. CONSTRUCTION MATERIALS & METHODS

There is no topsoil. A minimum 12 mil plastic liner will be installed in the reserve pit. A berm will be built on the fill sides of the pad.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-77
2511' FSL & 2446' FEL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

7. WASTE DISPOSAL

The reserve pit will be fenced sheep tight on 3 sides with woven wire fence topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries. Once dry, contents of the reserve pit will be buried in place. An overhead net will be installed after drilling and completion are finished.

All trash will be placed in a portable trash cage. It will be hauled to an approved landfill. Human waste will be disposed of in 10' deep ratholes under trailers or in chemical toilets. Ratholes will be filled when the trailers are removed.

8. ANCILLARY FACILITIES

There will be no air strips or camps. Camper trailers will be on location for the company man, tool pusher, and mud loggers.

9. WELL SITE LAYOUT

See attached pages for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, trash cage, access road onto the location, parking, living facilities, soil stockpile, and rig orientation.

10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate. All disturbed areas will be recontoured to a natural shape to blend with the surrounding topography.

Mobil Exploration & Producing U.S. Inc.
 Ratherford Unit 21-77
 2511' FSL & 2446' FEL
 Sec. 21, T. 41 S., R. 24 E.
 San Juan County, Utah

Stockpiled topsoil will be evenly spread. Compacted areas will be plowed or ripped to a depth of 12"-16" before seeding. Seeding will be done between July 1 - August 31 or October 15 - November 30. No seeding will be done when the ground is muddy or frozen. Seed will be drilled 0.5" to 0.75" deep. If broadcast, the rate will be 150% of that shown below and the seed covered with a drag. If the well is a producer, then the injection pipeline, reserve pit, and any other areas not needed for workovers will be reclaimed in the same manner.

<i>SPECIES</i>	<i>lbs/acre PLS</i>
Indian ricegrass (<i>Oryzopsis hymenoides</i>)	3
Giant dropseed (<i>Sporobolus giganteus</i>)	2
Needle & thread (<i>Stipa comata</i>)	2
Yellow sweetclover (<i>Melilotus alba</i>)	1
Four wing saltbush (<i>Atriplex canescens</i>)	2

The injection pipeline will be blocked, water barred, and reclaimed in the same manner as the wellsite. Berms will be built at the top of all slopes. Water bars will be spaced as follows:

<u>% Slope</u>	<u>Spacing</u>
1% - 5%	200 feet
6% - 15%	100 feet
>15%	50 feet

11. SURFACE OWNER

The well, road, powerline, and pipelines are all on Navajo Tribal Trust land in the Red Mesa Chapter. Any changes in the surface use plan must be approved by the BIA Indian Minerals Service Office, 1400 LaPlata Highway, Farmington, NM 87499. Call (505) 599-8100.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-77
2511' FSL & 2446' FEL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

12. OTHER INFORMATION

The nearest hospital is a \approx 75 minute drive away in northwest Monticello. It is 3 blocks northwest of the intersection of US 666 and US 191. Hospital phone number is (801) 587-2116. Or dial 1-800-332-1911 from anywhere in San Juan County, Ut. The closest medical helicopter is in Farmington NM. Farmington hospital phone number is (505) 325-5011.

13. REPRESENTATION

Anyone having questions concerning the APD should contact:

Shirley Robertson, Technician
Mobil Exploration & Producing U. S. Inc.
P.O. Box 633
Midland, Tx. 79702
(915) 688-2585

Brian Wood, Consultant
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505
(505) 466-8120

The field representative will be:

Ed Barber, Production Foreman
Mobil Exploration & Producing U. S. Inc.
P.O. Drawer G
Cortez, Co. 81321
(303) 565-9049

Mobil Exploration & Producing U. S. Inc. has the necessary consents from the proper lease owners to conduct lease operations in conjunction with this well. Bond coverage pursuant to 43 CFR 3104 for lease activities and operations is being provided by Mobil Exploration & Producing U. S. Inc.

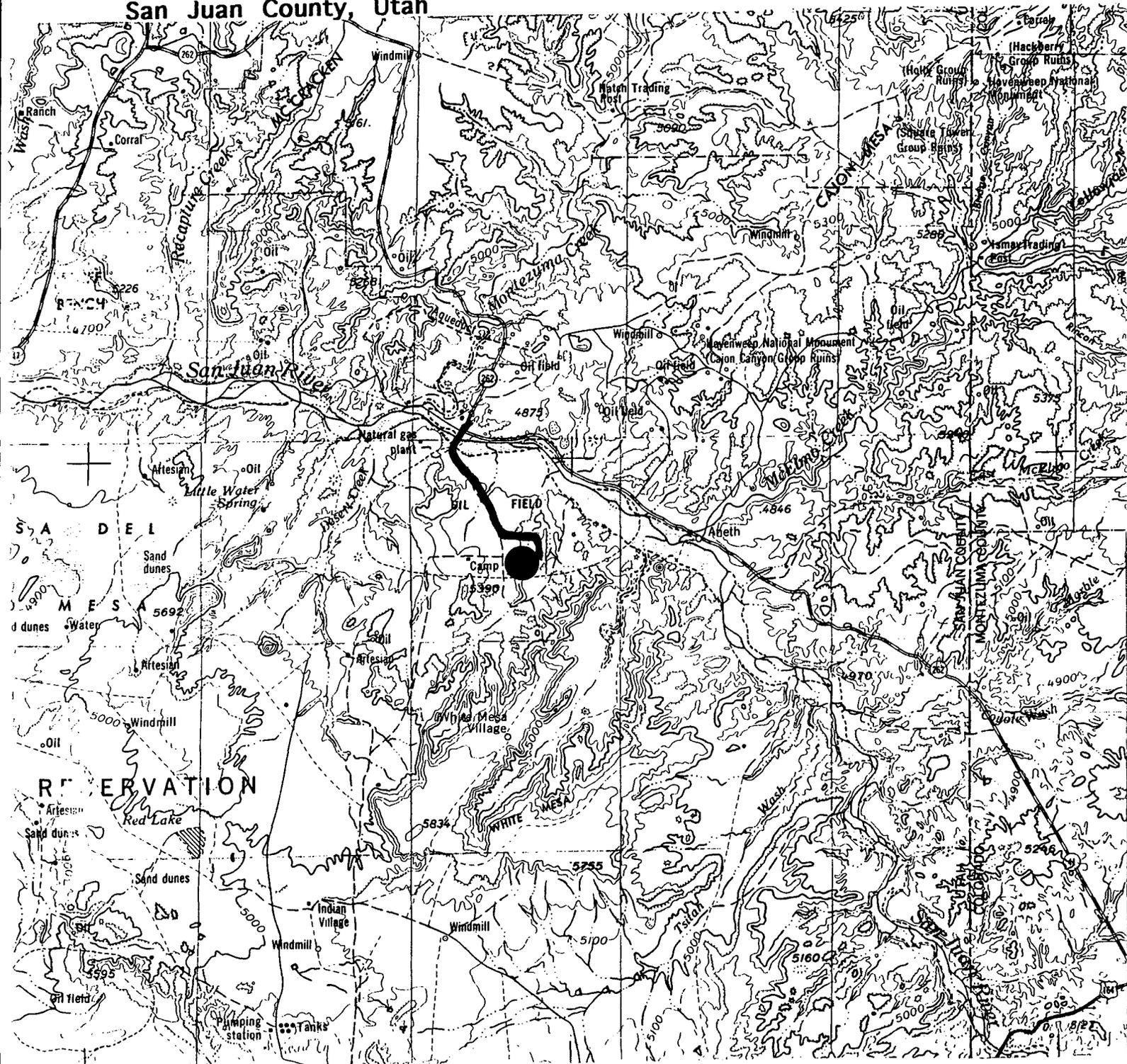
Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-77
2511' FSL & 2446' FEL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Mobil Exploration & Producing U. S. Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Shirley Robertson
Shirley Robertson, Technician
Environmental & Regulatory Dept.
Mobil Exploration & Producing U. S. Inc.

3-16-95
Date

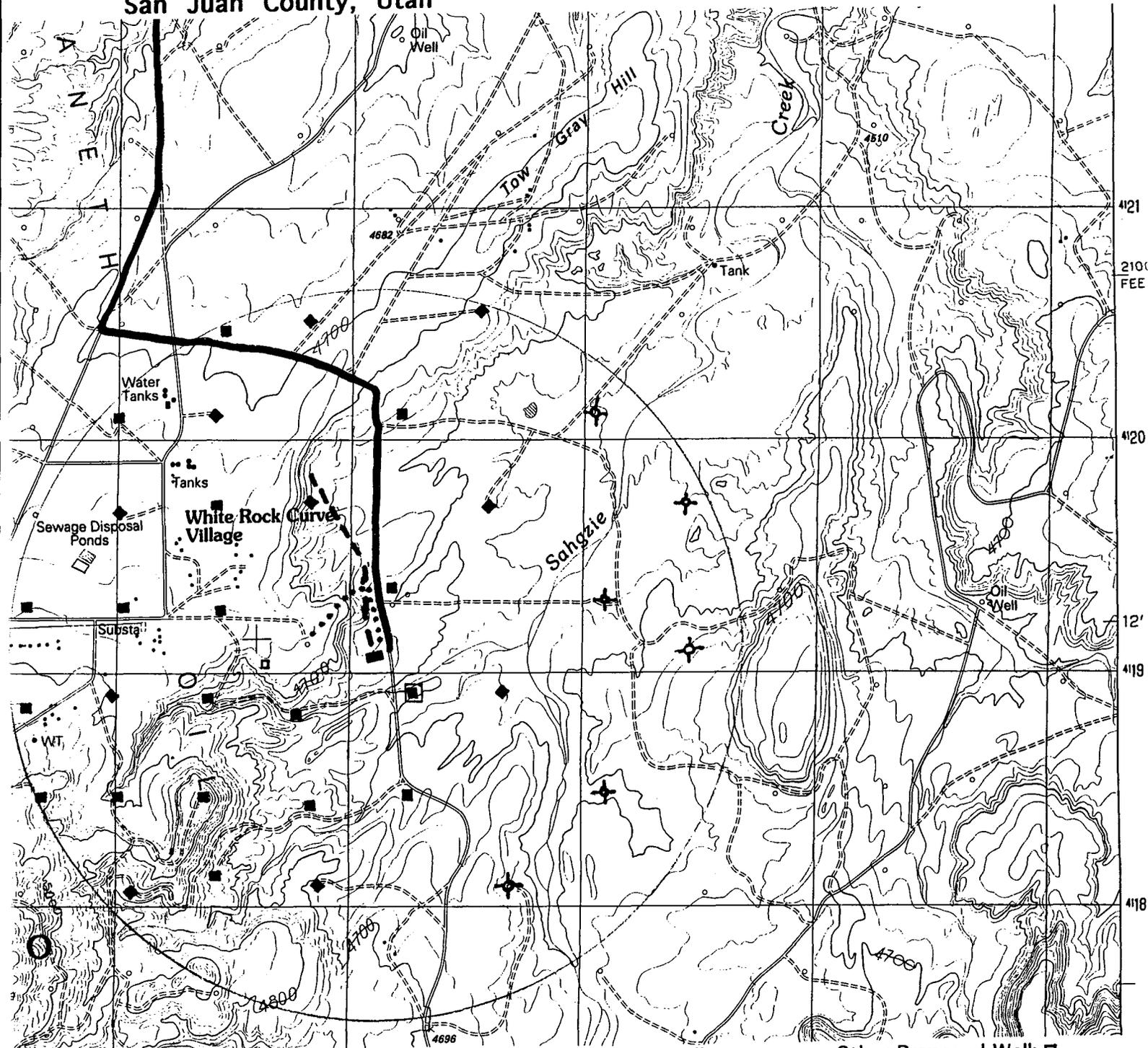
Mobil Exploration & Producing U.S. Inc.
 Ratherford Unit 21-77
 2511' FSL & 2446' FEL
 Sec. 21, T. 41 S., R. 24 E.
 San Juan County, Utah



Proposed Well: ●

Access Route: ~

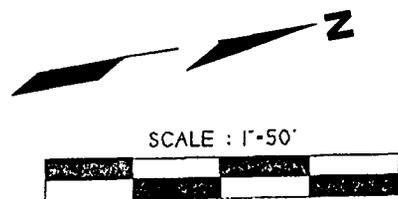
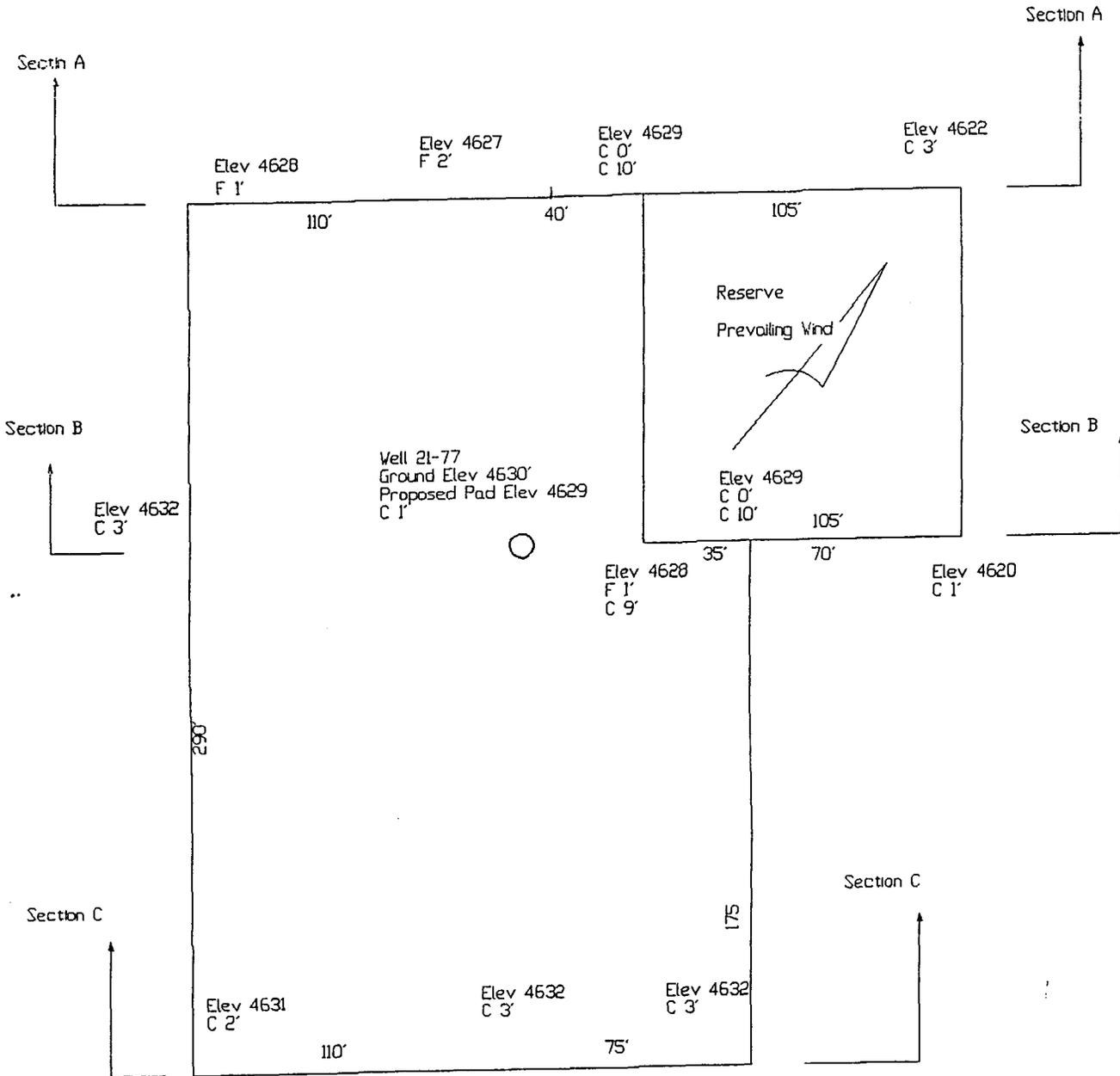
Mobil Exploration & Producing U.S. Inc.
 Ratherford Unit 21-77
 2511' FSL & 2446' FEL
 Sec. 21, T. 41 S., R. 24 E.
 San Juan County, Utah



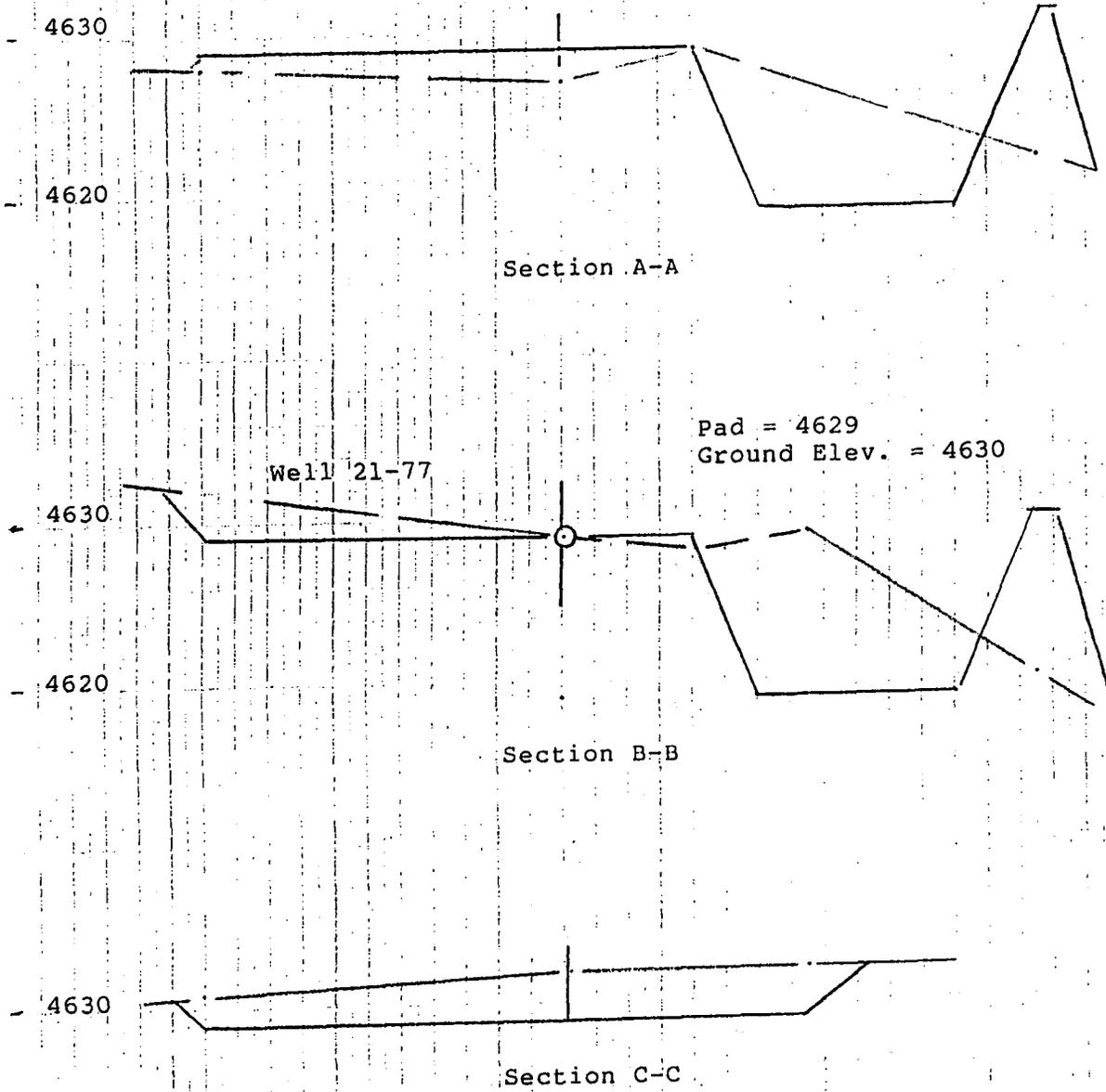
- Existing Oil Well: ■
- Existing Injection Well: ◆
- Other Proposed Well: □
- Proposed Well: ■
- Proposed Injection Line: - - -
- Proposed Flowline: ●●●
- Access Route: ~~~~~

MIL OIL COMPANY
WELL 21-77
RATHERFORD UNIT, SECTION 21
T. 41S., R. 24E., S.L.M., SAN JUAN COUNTY, UTAH
FEB 8, 1995

Page 2 of 3



IL OIL COMPANY
WELL 21-77
RATHERFORD UNIT, SECTION 21
T. 41S. R. 24E. S. L. M., SAN JUAN COUNTY, UTAH
FEB 8, 1995

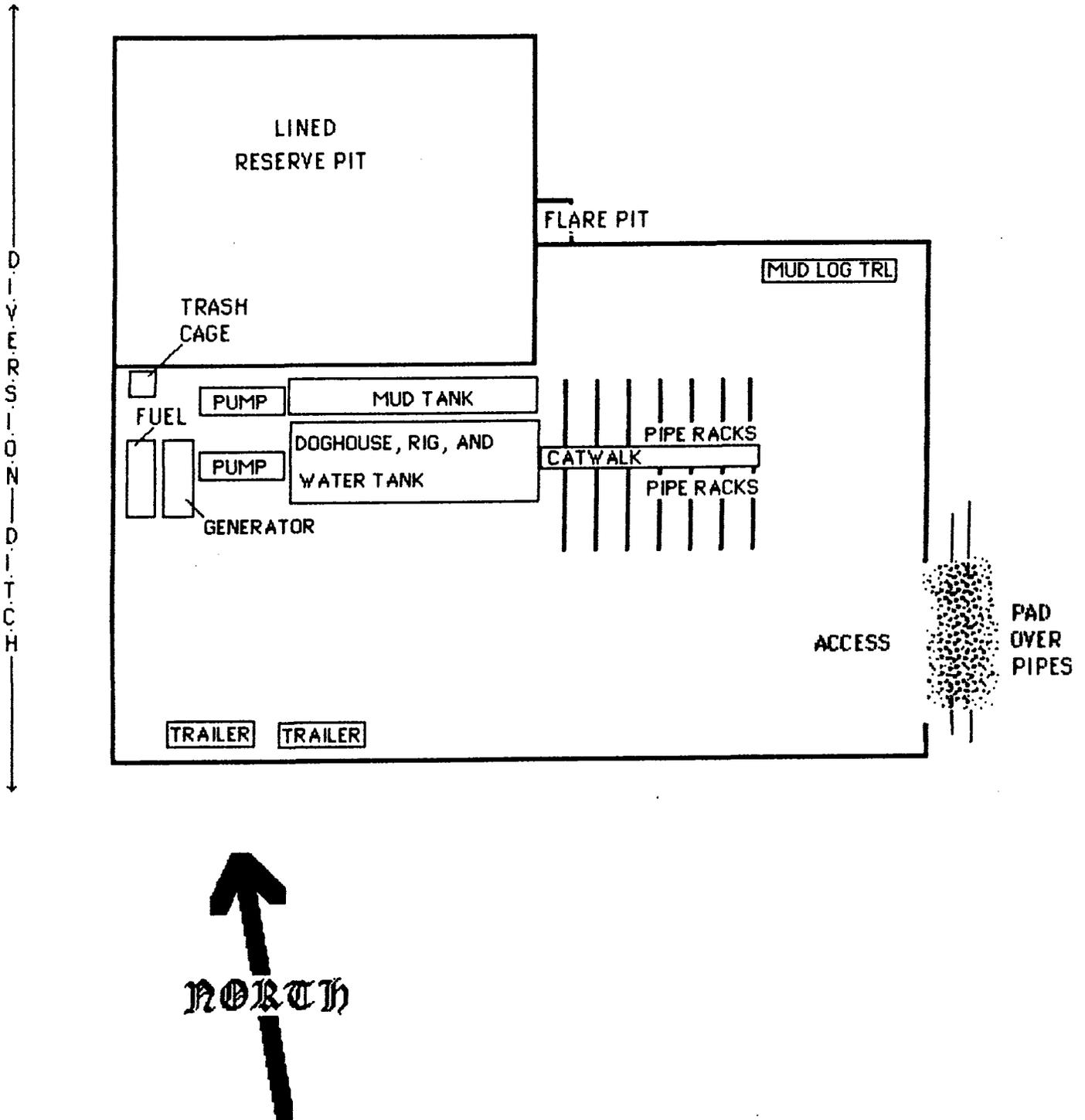


SCALE

1" = 10' Vertical

2" = 100' Horizontal

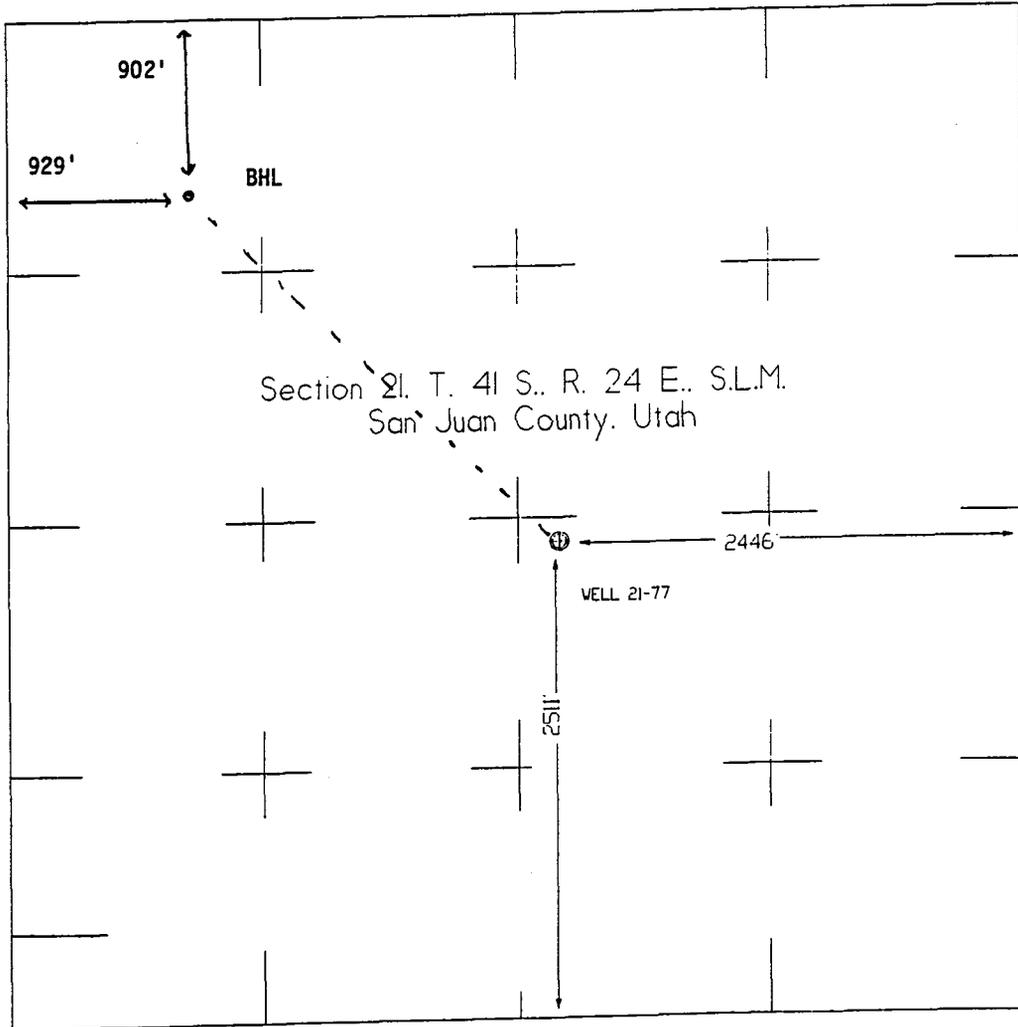
Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-77
2511' FSL & 2446' FEL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah



MOBIL OIL COMPANY
WELL 21-77
RATHERFORD UNIT, SECTION 21
T. 41S. R. 24E. S.L.M. SAN JUAN COUNTY, UTAH
FEB 8, 1995

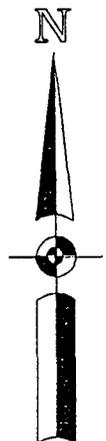
Page 1 of 3

MOBIL OIL COMPANY
Well 21-77
Ratherford Unit, NW/4 SE/4 Section 21



Scale: 1" = 1000'

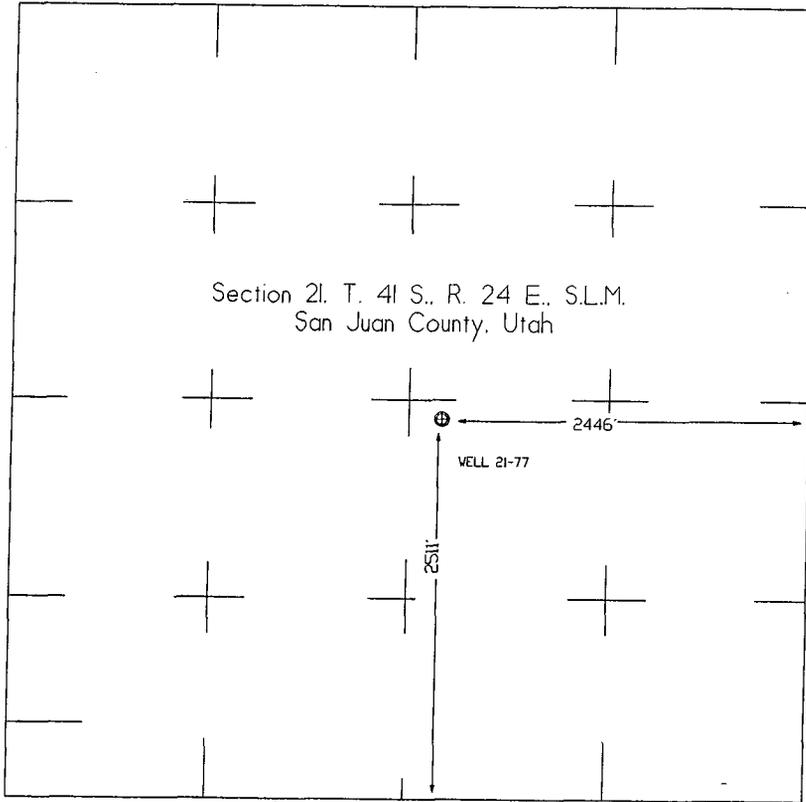
111



MOBIL OIL COMPANY
 WELL 21-77
 RATHERFORD UNIT, SECTION 21
 T. 41S., R. 24E., S.L.M., SAN JUAN COUNTY, UTAH
 FEB 8, 1995

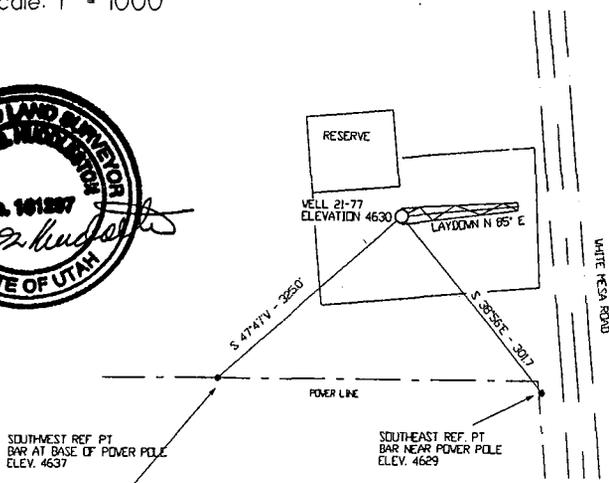
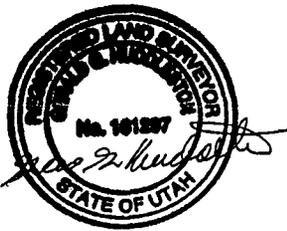
Page 1 of 3

MOBIL OIL COMPANY
 Well 21-77
 Ratherford Unit, NW/4 SE/4 Section 21



Section 21, T. 41 S., R. 24 E., S.L.M.
 San Juan County, Utah

Scale: 1" = 1000'



Scale: 1" = 200'



MANESS & Associates Inc.
 REGISTERED LAND SURVEYORS

P.O. BOX 1163 - 198 NORTH MILDRED - CORTEZ, CO. 81321 - PHONE:303/565-8845

Mobil Oil Corporation
 Ratherford Unit #21-77
 2511' FSL and 2446' FEL
 Section 21, T-41-S, R-24-E
 San Juan County, Utah

Eight Point Drilling Program

1. **ESTIMATED FORMATION TOPS***

<u>Formation Name</u>	<u>Depth from GL</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Chinle	1409'	1421'	3221'
DeChelly SS	2500'	2512'	2130'
Hermosa LS	4440'	4452'	190'
Ismay LS	5280'	5292'	-650'
L. Ismay LS	5400'	5412'	-770'
Gothic Shale	5420'	5432'	-790'
Desert Creek I	5430'	5442'	-800'
Total Depth (TD)	5470'(8048' MD)	5482'	-840'

* All true vertical depths (TVD) based on ground level of 4630'.

2. **NOTABLE ZONES**

The estimated formation top depths from GL at which water, oil, gas, or other mineral bearing zones may be encountered are:

<u>Possible Water Zone</u>	<u>Possible Coal Zone</u>	<u>Possible Oil or Gas Zones</u>
DeChelly SS 2350'		Desert Creek I 5430' (TVD)

Propose to drill, complete, and equip an oil producer in the Desert Creek formation.

The well will be cased throughout its length and cemented to the surface, if possible.

3. **PRESSURE CONTROL** (See "5" on Page 3)

Examples of a typical BOP and choke manifold are on Page 4. Maximum anticipated surface pressure will be 2,000 psi.

Once out from under the surface casing, a minimum 11" 3,000 psi system will be used with two hydraulic rams (blind/pipe). The choke manifold will have a minimum 3,000 psi rating.

BOP's will be tested to their working pressure after nipping up and after any use under pressure. Pipe rams will be function tested daily. Blind rams will be function tested after each trip out of the hole. BOP tests will be recorded on IADC reports.

Upper and lower kelly valves, floor safety valve, and drill string inside BOP rated at a minimum 3,000 psi will be maintained on the floor at all times. Upper and lower kelly valves with handler available will be in use at all times. Back pressure and full opening drill string safety valves to fit all drill strings in use will be available on the rig floor at all times.

Mobil Oil Corporation
 Rutherford Unit #21-77
 2511' FSL and 2446' FEL
 Section 21, T-41-S, R-24-E
 San Juan County, Utah

4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
17-1/2"	13-3/8"	48#	H40	ST&C	New	0000' - 0080'
12-1/4"	9-5/8"	36#	J55	ST&C	New	0000' - 1600'
8-3/4"	7"	23#	K55	LT&C	New	0000' - 5000'
8-3/4"	7"	23#	L80	LT&C	New	5000' - ±5600'

Surface Casing (0' to 80'): Cement to surface with 110sx (131 ft³). Volume calculated with 100% excess. Class "B" + 2% CaCl₂ + 0.25 pps Flocele (Density = 15.61 ppg, Yield = 1.19 ft³/sx).

Intermediate Casing (0' to 1600'): Cement to surface with 690 sx (1027 ft³). Volume calculated with 100% excess. Lead with 410 sx (694 ft³) of 65:35 Class "B":Poz + 6% gel + 2% CaCl₂ + 0.25 #/sk Flocele (Density = 12.8 ppg, Yield= 1.73 ft³/sx). Tail with 280 sx (333 ft³) Class "B" + 2% CaCl₂ (Density = 15.61 ppg, Yield = 1.19 ft³/sx). Total of 11 centralizers and one stop collar. One on the shoe joint and one every fourth collar to 200' from surface. Actual cement volumes to be based on the OH caliper plus 30% excess.

Production Casing (0' to 5800'): Cement to surface with 1201 ft³ in two stages using stage tool. Volume calculated with 100% excess .

Stage 1: Lead with 230 sx (419 ft³) of class G + 6% gel + 0.25 pps Flocele + 5 #/sx gilsonite (Density = 12.54 ppg, Yield= 1.82 ft³/sx). Tail with 150 sx (173 ft³) of class G + 0.4% Halad-344 + 0.3% VERSASET (Density = 15.79ppg, Yield= 1.15 ft³/sx). Actual cement volumes to be based on the OH caliper plus 30% excess.

Stage 2: Lead with 270 sx (491 ft³) of class G + 6% gel + 0.25 pps Flocele + 5 #/sx gilsonite (Density = 12.54 ppg, Yield= 1.82 ft³/sx). Tail with 100 sx (118 ft³) of class G + 2% CaCl₂ (Density = 15.61 ppg, Yield = 1.19 ft³/sx)

Total of 38 centralizers and 1 stop collar. One centralizer on the float shoe then every fourth collar.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0000' - 1600'	FW/Spud Mud	8.8-9.2	45-50	NC
1600' - 5612'	FW/PHPA	9.3-9.8	36 - 48	NC
5612 - TD	FW/XCD	8.7-8.9	30-32	10 - 15

Mobil Oil Corporation
Ratherford Unit #21-77
2511' FSL and 2446' FEL
Section 21, T-41-S, R-24-E
San Juan County, Utah

6. CORING, TESTING, AND LOGGING

No cores are currently planned. Neutron, Dual Induction, and Sonic logs may be run. A few RFT tests may also be run.

7. DOWNHOLE CONDITIONS

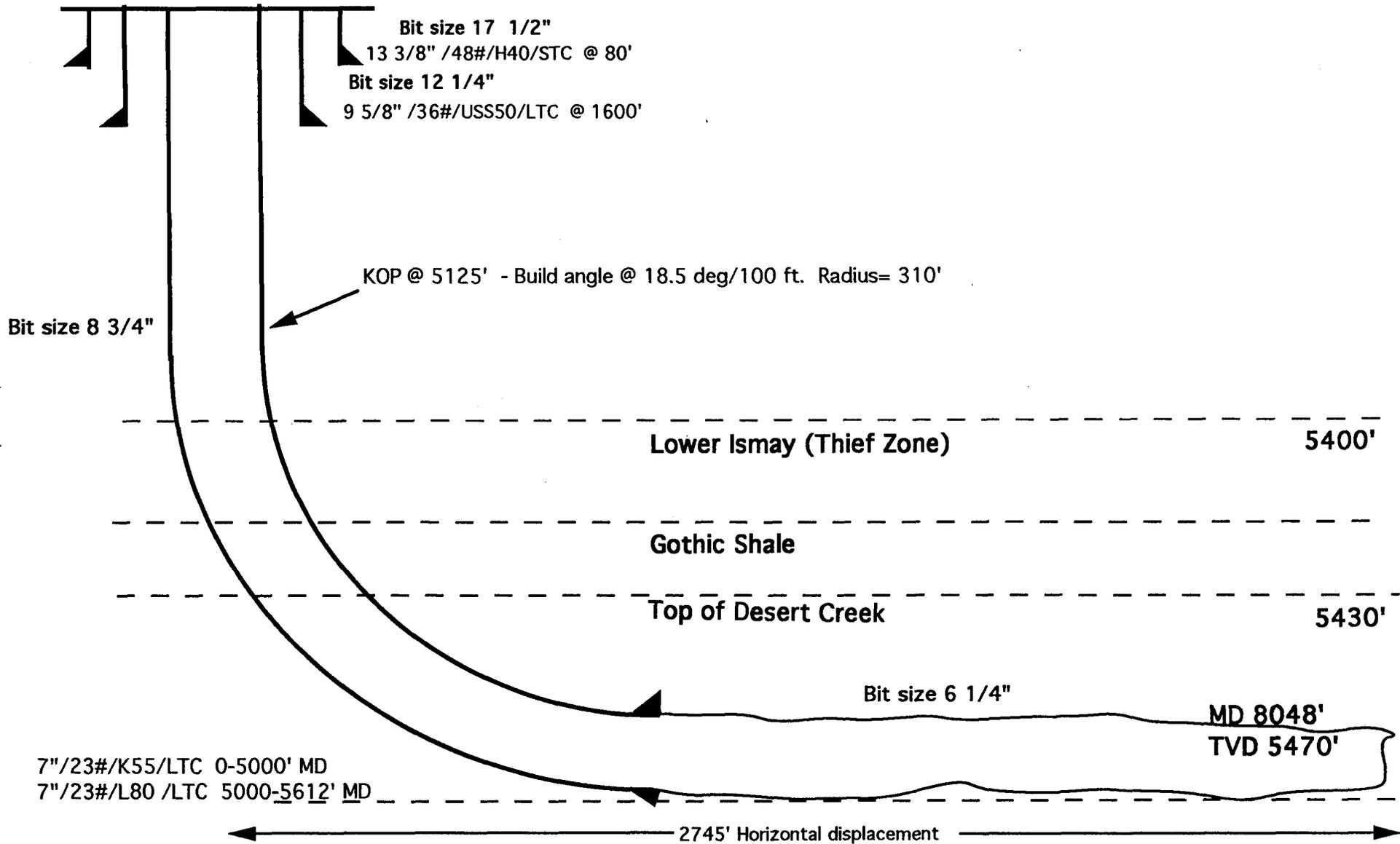
Possible water flows in the DeChelly formation may be encountered.

8. MISCELLANEOUS

It is expected to take +/- 24 days to drill the well and 10 days to complete the well.

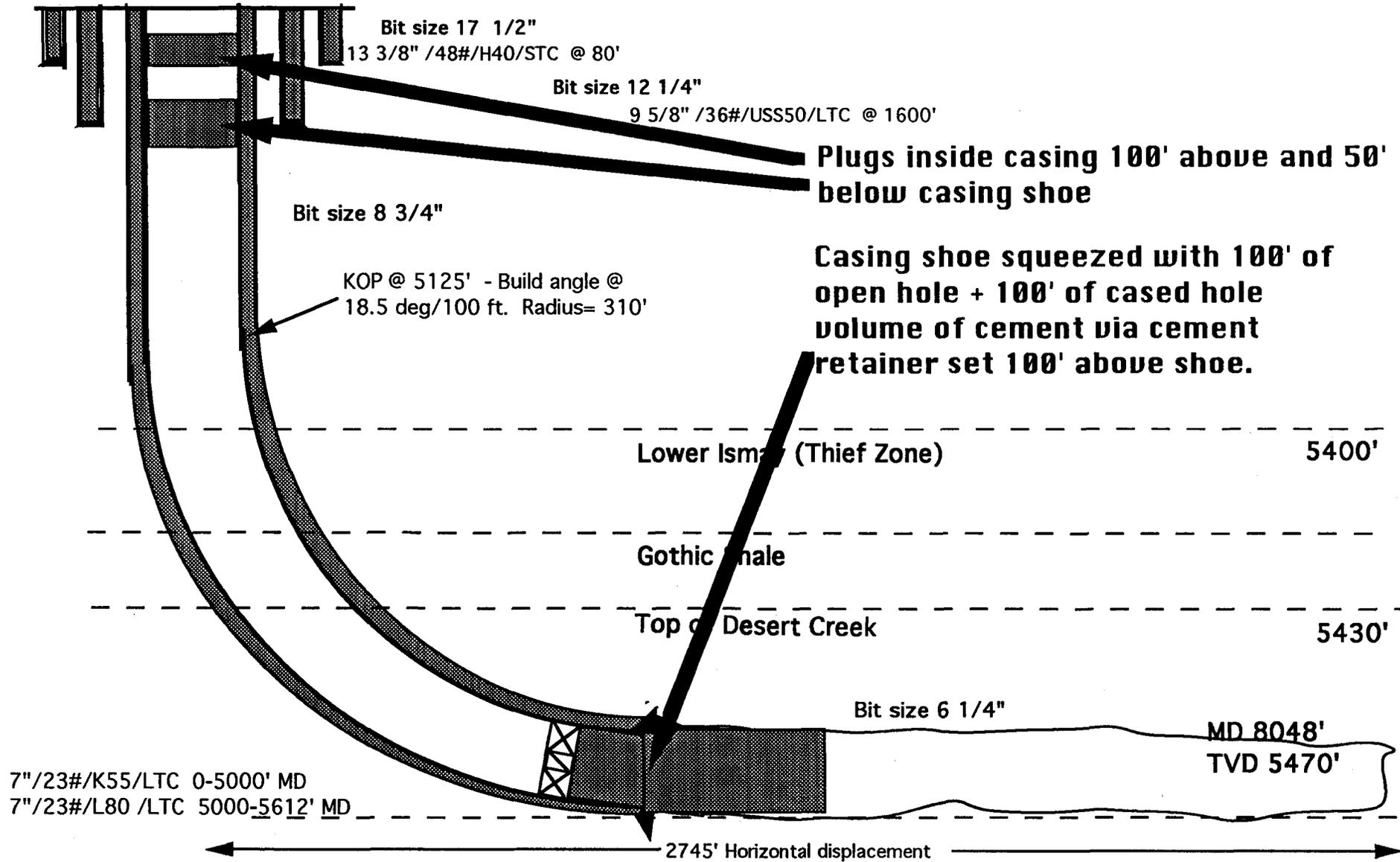
Surface Location:
Section 21 TWP 41S RGE 24E
2511' FSL & 2446' FEL
San Juan County, Utah

RATHERFORD UNIT #21-77 PROPOSED WELL DIAGRAM



Surface Location:
 Section 21 TWP 41S RGE 24E
 2511' FSL & 2446' FEL
 San Juan County, Utah

RATHERFORD UNIT #21-77 PROPOSED P&A DIAGRAM



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/20/95

API NO. ASSIGNED: 43-037-31758

WELL NAME: RATHERFORD UNIT 21-77
 OPERATOR: MOBIL EXPL & PROD INC (N3790)

PROPOSED LOCATION:

NWSE 21 - T41S - R24E
 SURFACE: 2446-FEL-2511-FSL
 BOTTOM: 0902-FNL-0929-FWL
 SAN JUAN COUNTY
 GREATER ANETH FIELD (365)

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

LEASE TYPE: IND
 LEASE NUMBER: 14-20-603-355

PROPOSED PRODUCING FORMATION: DSCR

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal [State [] Fee []
 (Number UNKNOWN)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
 (Number _____)
N RDCC Review (Y/N)
 (Date: _____)

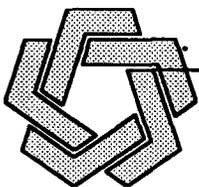
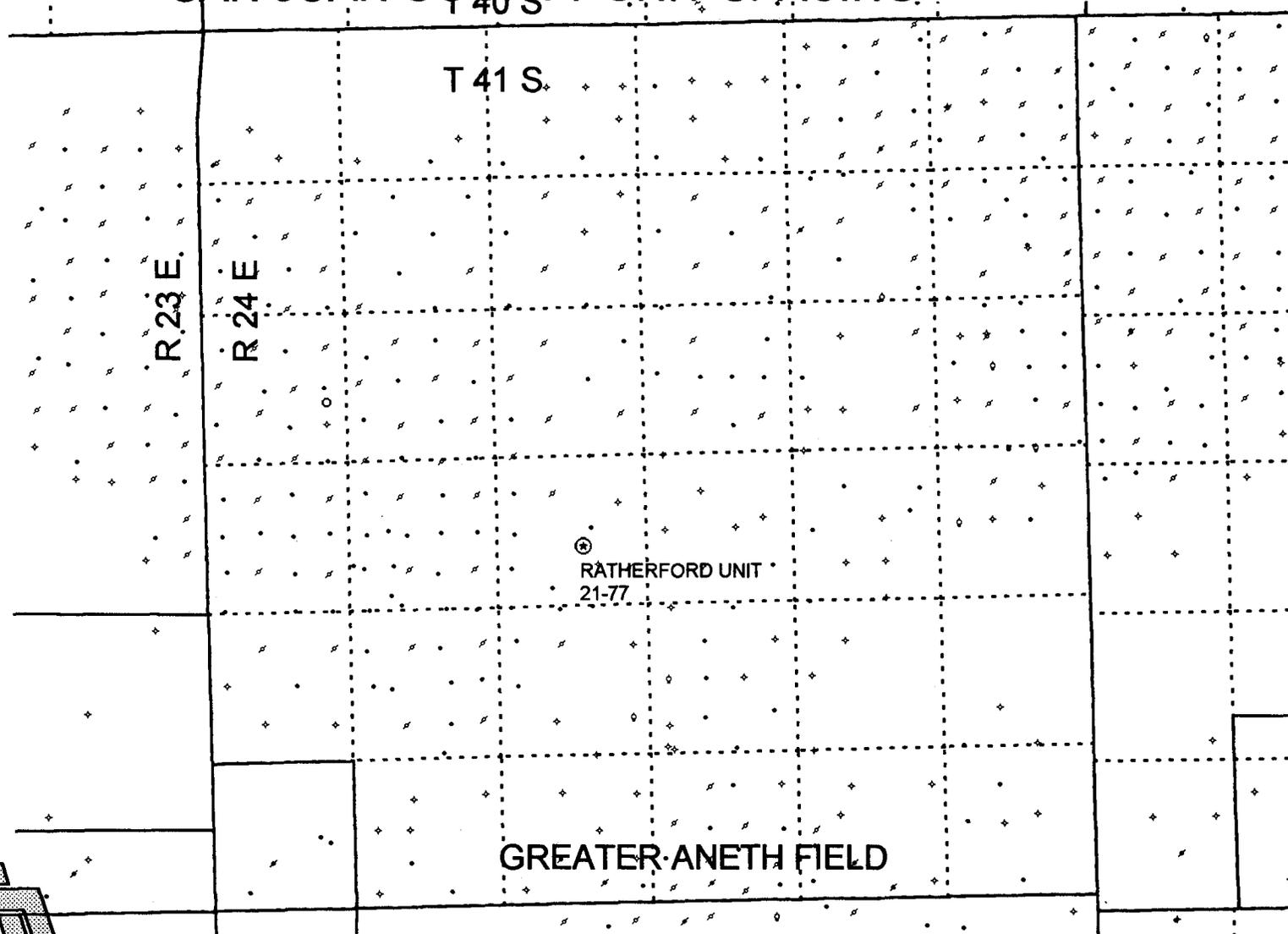
LOCATION AND SITING:

R649-2-3. Unit: 4711-68931A
 ___ R649-3-2. General.
 ___ R649-3-3. Exception.
 ___ Drilling Unit.
 Board Cause no: _____
 Date: _____

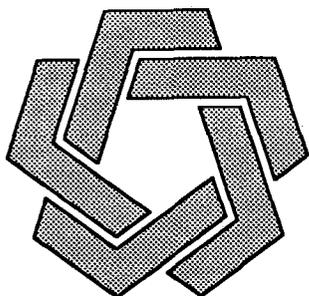
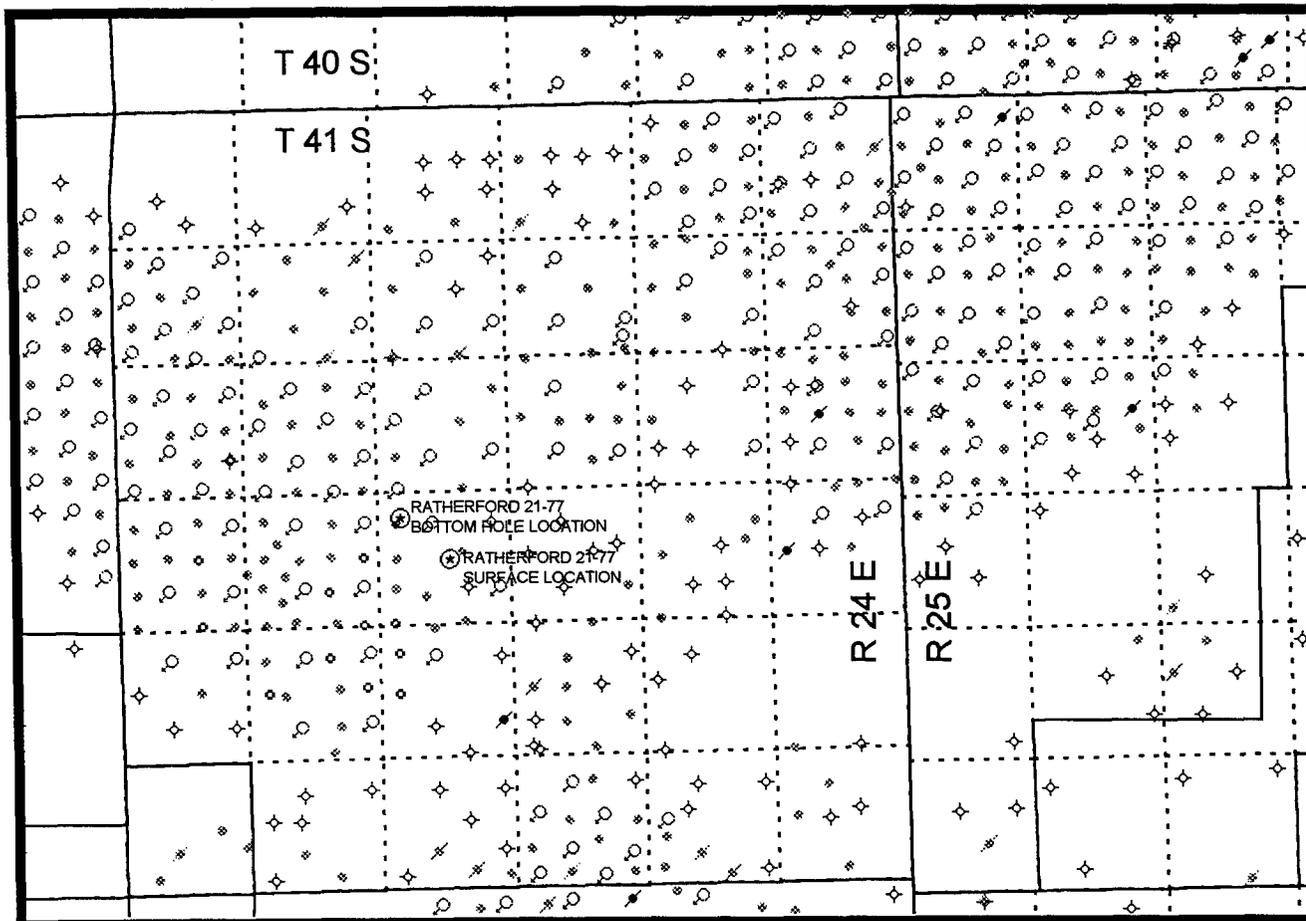
COMMENTS:

STIPULATIONS:

MOBILE & P INC GREATER ANETH
RATHERFORD UNIT 21-77
SEC. 21, T41S, R24E,
SAN JUAN COUNTY UNIT SPACING



MOBIL EXPL. & PROD.
HORIZONTAL DEVELOPMENT
GREATER ANETH FIELD RATHERFORD UNIT
SEC. 21, T41S, R24E, SAN JUAN COUNTY, UNIT SPACING



STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: MOBIL EXPL & PROD US I	Well Name: RATHERFORD 21-77
Project ID: 43-037-31758	Location: SEC. 21 - T41S - R24E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 2217 psi
 Internal gradient (burst) : 0.059 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using buoyed weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Depth (TVD)	Cost
1	5,000	7.000	23.00	K-55	LT&C	5,000	5,000	
2	638	7.000	23.00	L-80	LT&C	5,638	5,500	

	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2312	3239	1.401	2513	4360	1.73	112.03	341	3.04 J
2	2543	3830	1.506	2543	6340	2.49	12.68	435	34.31 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 09-12-1995
 Remarks :

Minimum segment length for the 5,638 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 114°F (Surface 74°F , BHT 151°F & temp. gradient 1.400°/100 ft.)
 String type: Production
 Type of trajectory: build and hold.
 Minimum drift diameter of this well string is 6.250 in. Other parameters include: TD (Meas): 5,638 ft. Departure @ TD: 310 ft.
 KOP: 5,125 ft. BU α :18.500°/100 ft.
 @ 1st Slant α : 55.731° VD: 5,381 ft Departure: 135 ft MD: 5,426 ft
 Bending load: 187.65 kips
 The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 2,543 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



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)

September 12, 1995

Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.
P.O. Box 633
Midland, Texas 79702

Re: Ratherford 21-77 Well, 2511' FSL, 2446' FEL, NW SE, Sec. 21, T. 41 S., R. 24 E.,
San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-31758.

Sincerely,

R. J. Firth
Associate Director

ldc

Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Moab District Office
WAPD



Operator: Mobil Exploration & Producing U.S. Inc.
Well Name & Number: Ratherford 21-77 Well
API Number: 43-037-31758
Lease: Indian 14-20-603-355
Location: NW SE Sec. 21 T. 41 S. R. 24 E.

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**

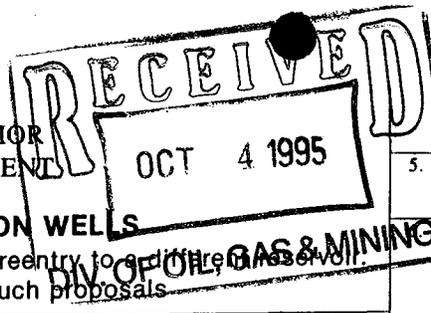
Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. **Reporting Requirements**

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-013
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 well. Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No.
14-20-603-355
Indian, Allottee or Tribe Name

Navajo

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
Ratherford

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
RU 21-77

2. Name of Operator
MEPUS for MPT&NM and MEPNA* (915) 688-2114

9. API Well No.
43-037-²¹⁷⁵⁸

3. Address and Telephone No.
P.O. Box 633, Midland, Tx. 79702 Attn: Glen Cox

10. Field and Pool, or Exploratory Area
Greater Aneth

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

11. County or Parish, State
San Juan, Ut.

Surface: NWSE 21-41s-24e
BHL: NWNW 21-41s-24e

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other **Powerline**
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- 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.)*

*Mobil Exploration & Producing U. S. Inc. as agent for Mobil Producing Texas & New Mexico Inc. and Mobil Exploration & Producing North America Inc.

Will install 650' long overhead ≤ 25 kv powerline north along west side of road. (This route replaces original powerline route to the south as described in APD. That route was never used because it led to a powerline with inadequate voltage.) Route was archaeologically inspected (clearance issued 4-10-95) and field clearance issued (43-12-95) for pipelines for same well. Powerline will be inside pipeline corridor

cc: BIA, BLM, Cox, Dennis, Robertson, UDC

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

Signed

Title

Consultant (505) 466-8120

Date

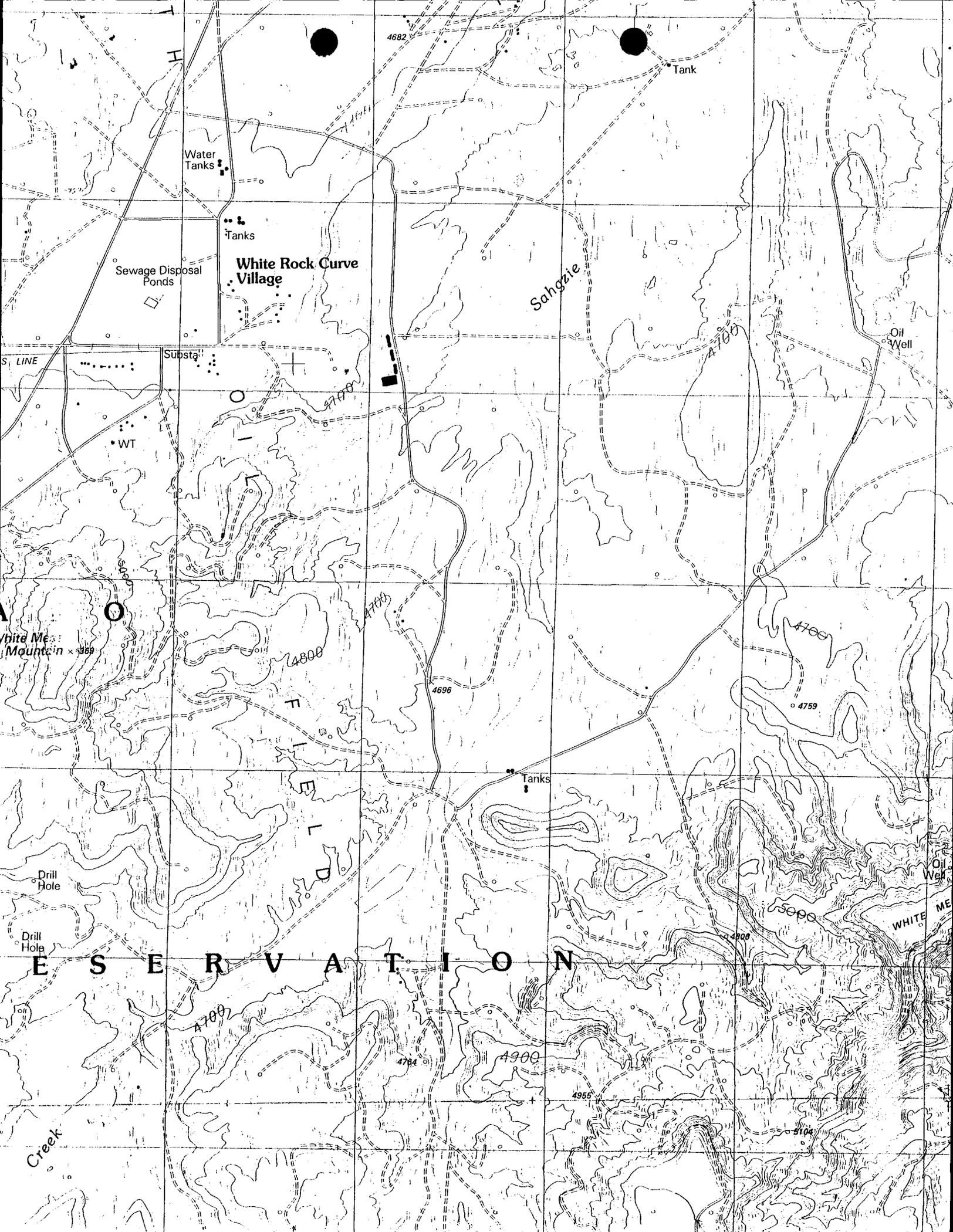
9-26-95

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date



Water Tanks

Tanks

Sewage Disposal Ponds

White Rock Curve Village

Sahgzie

Oil Well

S. LINE

Substa

WT

White Mountain

Drill Hole

Drill Hole

R E S E R V A T I O N

Creek

WHITE MOUNTAIN

4682

Tank

4700

4700

4800

4700

4696

4759

Tanks

4800

4900

4700

4784

4900

4955

5104

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: MOBIL

Well Name: RATHERFORD UNIT 21-77

Api No. 43-037-31758

Section 21 Township 41S Range 24E County SAN JUAN

Drilling Contractor BIG "A"

Rig # 32

SPUDDED: Date 10/16/95

Time _____

How ROTARY

Drilling will commence _____

Reported by SIMON BARRERA

Telephone # _____

Date: 10/16/95 Signed: JLT

11-20-95

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
NOV 17 1995
DIV OF OIL GAS & MINING

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

5. Lease Designation and Serial No.

4-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 21-77

9. API Well No.

43-037-31758-00

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.
P.O. Box 633, Midland, TX 79702 (915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2446' FEL, 2511' FSL
BHL 902' FNL 929' FWL

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other SPUD 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.)*

10-16-95 SPUD 12 1/4" HOLE AT 2130 HRS. 10-15-95
10-18-95 US50 36 PPF LTS, RAN 5/8" CSG. SET SHOE @ 1594'. CEMENTED W/ 431 SX LEAD, 100 SX TAIL, DID NOT CIRC. TOP OUT W/ 200 SX CLASS B NEAT. CIRC CMT TO SUR, FELL BACK. TOP OUT SECOND TIME W/ 120 SX CLASS B NEAT, CMT TO SURF AND HELD. NOTIFIED BLM OF FAILURE TO CIRC CMT @ 01:30 HRS 18/OCT/95. GOT OK FROM EARL BEAHER W/ BLM FARMINGTON @ 09:30 HRS 18/OCT/95 TO TOP OUT.

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

Signed Kelli Hussell for Shirley Robertson Title ENV. & REG TECHNICIAN

Date 11-10-95

(This space for Federal or State office use)

Approved by _____ Title _____ 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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 8 1996

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 Well Gas Well Other

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.
P.O. Box 633, Midland, TX 79702 (915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2446' FEL, 2511' FSL
BHL 902' FNL 929' FWL

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 21-77

9. API Well No.

43-037-31758

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other COMPLETION
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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.)*

- 10-16-95 SPUD 12 1/4" HOLE AT 2130 HRS. 10-15-95
10-17-95 DRILL F 700 TO 1595 T.D.
10-18-95 US50 36 PPF LTS, RAN 5/8" CSG. SET SHOE @ 1594'. CEMENTED W/ 430 SX LEAD, (2.36 YLD 11.45 PPG, 180 BBL) 100 SX CL 'G' TAIL (1.23 YLD 15.5 PPG, 21.9 BBL) NOTIFIED BLM OF FAILURE TO CIRC. CMT. TOP OUT W/200X CL 'B' NEAT MIXED TO 15.8 PPG. CIRC. CMT TO SURF. CALLED BLM/PERMISSION FROM ERROL BEACHER TO TOP OUT. PUMP 120X CL B MIXED TO 12.0PPG
10-19-95 TAG CMT @ 1527'. DRILL CMT. DRILL NEW HOLE F 1595-1705.
10-20-95 DRILLED F1705-2995. SMALL WTR FLOW IN DECHELLY 2500.
10-21-95 DRILL FROM 2995 - 3770
10-22-95 DRILL FROM 3770 - 4245
10-23-95 DRILL FROM 4241 - 4648
10-24-95 DRILL FROM 4648 - 5036
10-25-95 DRILL FROM 5036 - 5125
10-26-95 WASH & REAM 2373 TO 3148. HOLE TIGHT
10-27-95 WASH & REAM 3831' TO 5125 C&C MUD & HOLE
10-28-95 DRILL CURVE FROM 5125' - 5145 KOP 5125' CONT'D ON ATTACHMENT

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

Signed Shirley Robinson

Title ENV. & REG TECHNICIAN

Date 1-2-96

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

SUNDRY CONTINUED #13

- 10-25-95 DRILL CURVE FROM 5145' - 5257'
- 10-30-95 DRILL FROM 5257 - 5428
- 10-31-95 DRILL FROM 5428 TO TD OF 5647'. TVD. 5455.27
- 11-01-95 TIGHT HOLE FROM 2812 - 2692 START REAMING FROM KOP 5125
- 11-02-95 REAMING CURVE FROM 5470 - END OF CURVE AT 5647 RIH W/7" 23# L-80 CSG. W/CENT ON EACH JT.
- 11-03-95 CMT 1ST STAGE W/570 SX CL B LEAD CMT (12 PPG, 1.97 YLD.) FOLLOWED W/150X CL "G" TAIL CMT (15.7 PPG, 1.17 YLD) PUMP 2ND STAGE W/640 X CL "B" LEAD (12 PPG, 1.97 YLD. 145SX TO SURF.
- 11-05-95 DRILL FROM 5647 - 6078
- 11-06-95 DRILL FROM 6078 - 6731
- 11-08-95 DRILL FROM 6731 - 7000
- 11-09-95 CIRC. BUILD VOLUME & RAISE MUD WT. TO KILL WELL
- 11-10-95 CHECK FOR FLOW W/11.9 MUD. DRILL FROM 7000 - 7095
- 11-11-95 DRILL 7095 - 7652 WORK TIGHT HOLE AT 7652
- 11-12-95 DRILL 7652 - 8195 TD.
- 11-14-95 SET RBP @ 5100'. TEST TO 500 PSI. OK
- 11-16-95 DISPLACE 11.6 PPG MUD INTO HOLE C&C REL. RBP
- 11-21-95 RIH W/2 7/8" TBG. PKR SET @ 5091', SN @ 5083' CIRC. HOLE W/10#/TESTED ANN TO 900 #/OK
- 12-01-95 ACDZ FROM 5650 - 8195 W/840 BBLs 15% HCL. AVG. 1.5 BPM @ 4800 PSI. COILED TBG ANNULUS PRESS. INITIAL 1700 PSI AT 1.2 BPM. FINAL 700 PSI @ 700 PSI. RD MO .

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	6280	43-037-31758	Ratherford Unit #21-77		21	41S	24E	San Juan	0-16-95	12-1-95
WELL 1 COMMENTS: Bottom Hole Location 902' FNL, 929 FWL <i>Entity added 1-8-96. Jec (Ratherford Unit)</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Shirley Robertson
Signature

Env. & Reg. Tech
Title

1-2-96
Date

Phone No. 015) 688-2585

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other **HORIZONTAL**

2. NAME OF OPERATOR **Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.**

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO TRIBAL

7. UNIT AGREEMENT NAME
RATHERFORD UNIT

8. FARM OR LEASE NAME, WELL NO.
RATHERFORD 21-77

9. API WELL NO.
43-037-31758

10. FIELD AND POOL, OR WILDCAT
GREATER ANETH

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 21, T41S, R24E

3. ADDRESS AND TELEPHONE NO.
P.O. Box 633, Midland, TX 79702 915-688-2585

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface **2446' FEL, 2511' FSL**
 At top prod. interval reported below
 At total depth **BHL 902' FNL, 929' FWL**

14. PERMIT NO. _____ DATE ISSUED **09-01-95**

12. COUNTY OR PARISH **SAN JUAN** 13. STATE **UT**

15. DATE SPUDDED **10-16-95** 16. DATE T.D. REACHED **11-12-95** 17. DATE COMPL. (Ready to prod.) **12-1-95** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **GL:4630** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **TVD @ 5647' MD @ 8195'** 21. PLUG, BACK T.D., MD & TVD **TVD @ 5647' MD @ 8195'** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY **ROTARY TOOLS X** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
5647 - 8195 DESERT CREEK

25. WAS DIRECTIONAL SURVEY MADE **YES**

26. TYPE ELECTRIC AND OTHER LOGS RUN _____ 27. WAS WELL CORED **NO**

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8	36#	1595	12 1/4	850X	NONE
7	23#	5647	8 3/4	1360X	NONE
			DVT @ 2845'		

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	SN @ 5083	5091

31. PERFORATION RECORD (Interval, size and number) **5647 - 8195**

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5125	KOP
5650 - 8195	ACDZ W/840 BBLs 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION **11-25-95** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **FLOWING** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
12-3-95	22.5	40/64	→	444	192	1167	432
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
100		→	473	204	1204		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS _____

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Shirley Robertson TITLE **ENV. & REG. TECHNICIAN** DATE **12-11-95**

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

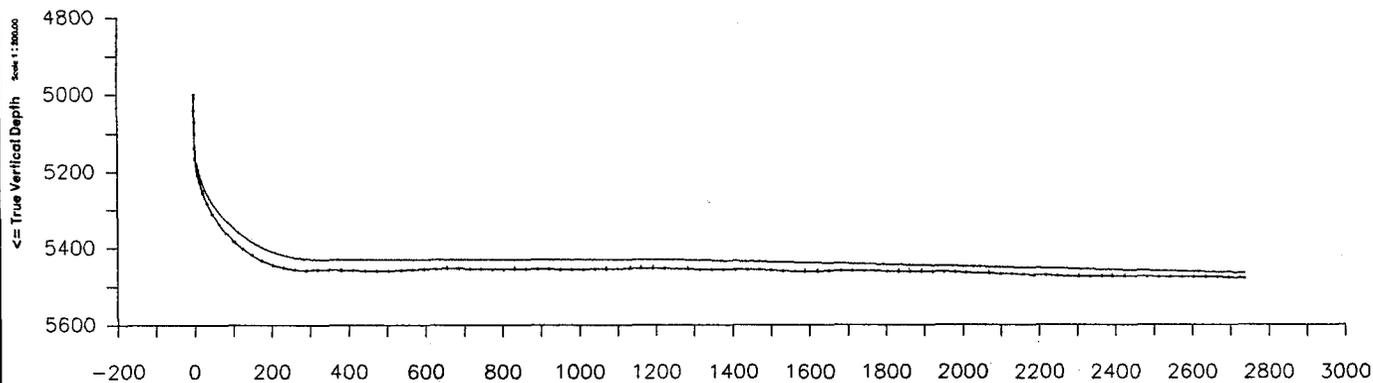
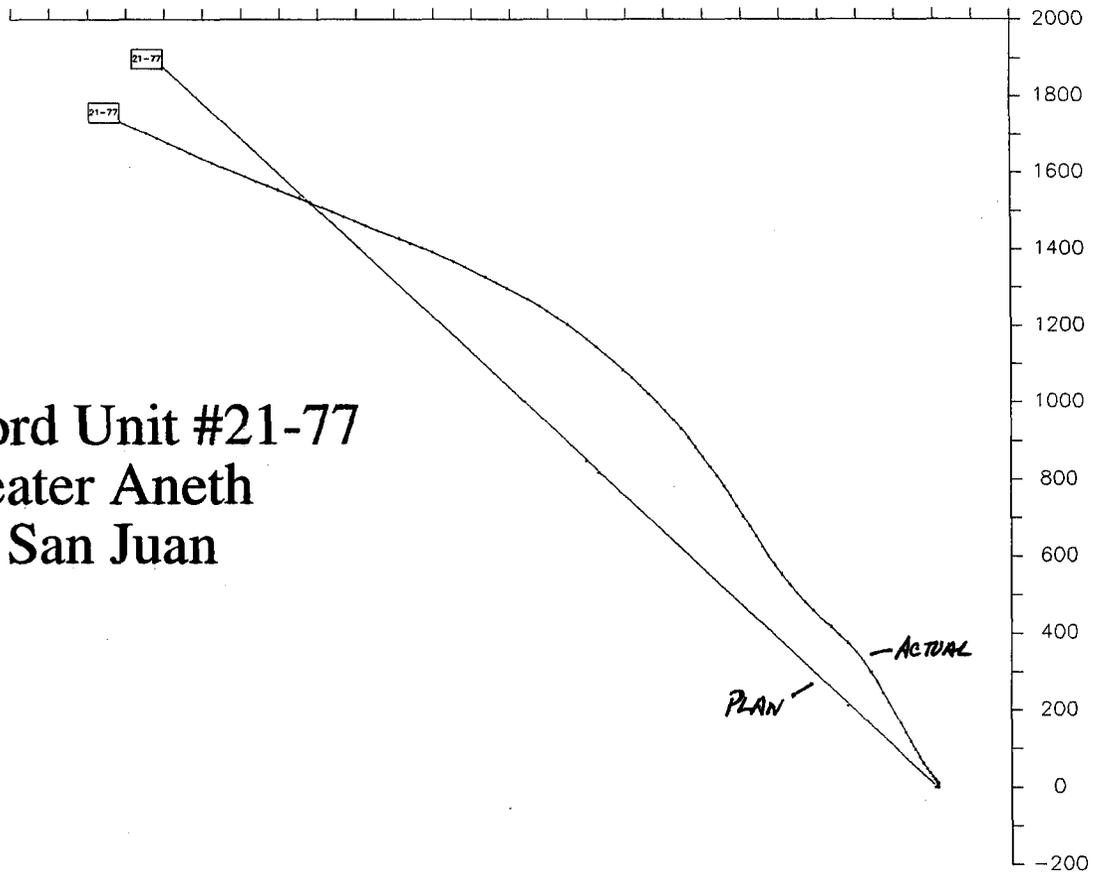
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
DECHELLEY SS	2500					
HERMOSA	4440					
ISMAY	5280					
LOWER ISMAY	5400					
GOTHIC	5420					
DESERT CREEK	5430					
CHIMNEY ROCK	5600					

Mobil

Last >

Well: Ratherford Unit #21-77
Field: Greater Aneth
County: San Juan

-2400 -2200 -2000 -1800 -1600 -1400 -1200 -1000 -800 -600 -400 -200 0 200



Scale 1 : 200.00

Vertical Section on 309.25 azimuth with reference 0.00 N, 0.00 E from slot #1



SPERRY-SUN
DRILLING SERVICES

NL SPERRY-SUN INTERNATIONAL
SURVEY DATA

CA-MJ-50203
#21-77

12-NOV-1995
14:36:22

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.00	0.00	0.00	270.00	0.00	0.00	0.00	0.00
500.00	0.75	97.00	499.99	0.18 S	1.49 E	-1.29	0.33
720.00	0.75	87.00	719.97	0.28 S	4.36 E	-3.61	0.06
969.00	0.50	84.00	968.96	0.08 S	7.07 E	-5.62	0.10
1220.00	0.50	110.00	1219.95	0.35 S	9.19 E	-7.45	0.09
1521.00	0.50	323.00	1520.95	0.25 N	9.63 E	-7.43	0.32
1746.00	0.50	268.00	1745.94	1.01 N	8.06 E	-5.73	0.21
1993.00	0.50	280.00	1992.93	1.15 N	5.92 E	-3.96	0.04
2232.00	0.25	278.00	2231.92	1.41 N	4.38 E	-2.58	0.10
2700.00	0.50	60.00	2699.92	2.57 N	5.14 E	-2.47	0.15
3203.00	0.25	32.00	3202.91	4.60 N	7.62 E	-3.17	0.06
3693.00	0.50	14.00	3692.90	7.58 N	8.70 E	-2.19	0.06
4059.00	0.25	74.00	4058.89	9.35 N	9.86 E	-2.01	0.12
4530.00	0.25	288.00	4529.89	9.95 N	9.87 E	-1.65	0.10
5007.73	0.30	292.20	5007.61	10.75 N	7.72 E	0.53	0.01
5039.43	0.30	302.80	5039.31	10.82 N	7.57 E	0.69	0.17
5070.93	0.40	282.60	5070.81	10.89 N	7.39 E	0.88	0.50
5102.26	0.20	199.30	5102.14	10.86 N	7.27 E	0.96	1.36
5133.17	1.10	317.60	5133.05	11.03 N	7.05 E	1.23	3.91
5163.18	5.20	324.80	5163.01	12.36 N	6.07 E	2.82	13.70
5194.82	9.90	322.60	5194.37	15.69 N	3.59 E	6.83	14.88
5209.82	12.40	322.30	5209.08	17.99 N	1.82 E	9.63	16.67
5226.51	14.70	321.30	5225.30	21.06 N	0.60 W	13.43	13.85
5257.46	19.10	321.90	5254.91	28.11 N	6.18 W	22.17	14.23
5288.41	24.60	323.70	5283.63	37.30 N	13.12 W	33.30	17.90
5319.18	30.60	325.60	5310.88	48.93 N	21.35 W	46.94	19.71
5350.36	36.60	327.40	5336.84	63.32 N	30.85 W	63.28	19.50
5380.40	42.50	328.70	5360.00	79.55 N	40.95 W	81.24	19.83
5411.67	48.70	329.40	5381.86	98.71 N	52.43 W	102.07	19.89
5442.20	54.40	330.10	5400.84	119.36 N	64.47 W	124.27	18.76
5473.33	60.30	331.40	5417.63	142.22 N	77.26 W	148.42	19.28
5504.19	66.00	331.90	5431.56	166.44 N	90.32 W	173.63	18.53
5535.90	71.80	330.30	5442.97	192.32 N	104.62 W	200.82	18.89
5567.78	78.90	330.40	5451.03	219.11 N	119.87 W	229.33	22.27
5598.65	85.30	330.90	5455.27	245.75 N	134.85 W	257.53	20.79
5630.88	91.20	328.90	5456.26	273.61 N	151.00 W	287.40	19.33
5661.85	91.30	326.90	5455.58	299.84 N	167.45 W	316.51	6.46
5693.07	89.80	322.80	5455.28	325.35 N	185.42 W	346.38	13.98
5725.25	87.70	319.00	5455.98	350.32 N	205.70 W	377.73	13.49

NL SPERRY-SUN INTERNATIONAL
SURVEY DATA

CA-MJ-50203
#21-77

12-NOV-1995
14:36:22

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
5756.75	87.40	314.70	5457.33	373.27 N	227.22 W	408.82	13.67
5787.77	88.50	313.30	5458.44	394.80 N	249.52 W	439.65	5.74
5818.78	90.10	314.40	5458.82	416.28 N	271.88 W	470.49	6.26
5849.38	91.50	314.00	5458.39	437.62 N	293.82 W	500.91	4.76
5881.01	92.40	315.40	5457.31	459.85 N	316.29 W	532.30	5.26
5911.37	93.10	316.70	5455.86	481.68 N	337.33 W	562.32	4.86
5942.63	93.50	318.80	5454.06	504.78 N	358.31 W	593.08	6.83
5972.75	91.80	320.00	5452.66	527.63 N	377.89 W	622.57	6.91
6002.87	89.90	322.50	5452.22	551.11 N	396.74 W	651.88	10.42
6033.73	89.30	323.90	5452.43	575.82 N	415.23 W	681.66	4.94
6064.79	88.60	326.00	5453.00	601.24 N	433.06 W	711.36	7.13
6094.71	88.00	328.10	5453.89	626.33 N	449.33 W	739.62	7.30
6125.62	89.70	328.50	5454.51	652.63 N	465.56 W	768.60	5.65
6156.52	90.60	327.00	5454.43	678.76 N	482.05 W	797.68	5.66
6187.28	91.60	327.60	5453.84	704.64 N	498.67 W	826.70	3.79
6218.10	90.50	328.80	5453.27	730.83 N	514.90 W	855.62	5.28
6249.51	88.80	327.80	5453.47	757.55 N	531.41 W	885.07	6.28
6280.82	89.10	326.20	5454.04	783.80 N	548.46 W	914.67	5.20
6312.59	88.80	323.30	5454.62	809.74 N	566.79 W	945.08	9.18
6342.75	90.00	322.50	5454.94	833.79 N	584.98 W	974.22	4.78
6373.65	90.90	322.80	5454.70	858.36 N	603.72 W	1004.11	3.07
6404.44	91.40	323.00	5454.08	882.91 N	622.29 W	1033.86	1.75
6435.05	91.30	323.00	5453.36	907.35 N	640.71 W	1063.41	0.33
6466.10	91.30	319.80	5452.65	931.61 N	660.07 W	1093.60	10.30
6497.03	90.80	317.70	5452.09	954.85 N	680.46 W	1123.98	6.98
6527.93	90.60	316.80	5451.71	977.54 N	701.44 W	1154.48	2.98
6557.77	90.10	315.40	5451.52	999.04 N	722.13 W	1184.02	4.98
6589.32	88.70	314.60	5451.86	1021.35 N	744.43 W	1215.33	5.11
6619.54	87.70	314.20	5452.80	1042.48 N	766.01 W	1245.34	3.56
6650.72	88.20	313.20	5453.92	1064.01 N	788.54 W	1276.35	3.58
6682.15	88.20	312.50	5454.91	1085.38 N	811.57 W	1307.65	2.23
6713.22	89.30	311.00	5455.59	1106.06 N	834.75 W	1338.64	5.99
6742.80	90.10	309.80	5455.74	1125.23 N	857.27 W	1368.20	4.88
6773.97	90.20	309.10	5455.66	1145.03 N	881.34 W	1399.36	2.27
6805.25	90.30	308.20	5455.52	1164.57 N	905.77 W	1430.63	2.89
6836.85	88.80	307.40	5455.77	1183.94 N	930.73 W	1462.23	5.38
6867.60	87.60	305.20	5456.74	1202.13 N	955.50 W	1492.95	8.15
6898.70	86.90	304.90	5458.23	1219.97 N	980.93 W	1523.97	2.45
6929.85	87.80	303.30	5459.67	1237.41 N	1006.70 W	1555.02	5.89
6955.00	89.50	301.90	5460.26	1250.96 N	1027.88 W	1580.05	8.76

NL SPERRY-SUN INTERNATIONAL
SURVEY DATA

CA-MJ-50203
#21-77

12-NOV-1995
14:36:22

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
6988.79	91.80	298.90	5459.88	1268.06 N	1057.02 W	1613.53	11.19
7019.99	91.90	298.90	5458.87	1283.13 N	1084.32 W	1644.33	0.32
7050.88	90.40	297.90	5458.25	1297.81 N	1111.48 W	1674.78	5.84
7082.22	89.30	297.20	5458.33	1312.31 N	1139.27 W	1705.60	4.16
7113.64	89.30	296.50	5458.72	1326.50 N	1167.30 W	1736.42	2.23
7143.16	88.80	295.90	5459.21	1339.53 N	1193.78 W	1765.32	2.65
7174.37	89.40	295.40	5459.70	1353.04 N	1221.91 W	1795.80	2.50
7205.68	89.50	295.50	5460.00	1366.49 N	1250.18 W	1826.37	0.45
7236.64	89.40	294.20	5460.29	1379.50 N	1278.28 W	1856.51	4.21
7266.37	89.40	293.80	5460.61	1391.59 N	1305.43 W	1885.36	1.35
7297.82	89.40	292.80	5460.93	1404.03 N	1334.32 W	1915.78	3.18
7329.22	89.40	291.20	5461.26	1415.79 N	1363.43 W	1945.97	5.10
7359.82	87.80	290.80	5462.01	1426.76 N	1391.99 W	1975.22	5.39
7390.27	87.40	290.80	5463.29	1437.56 N	1420.43 W	2004.29	1.31
7422.20	88.20	291.90	5464.51	1449.18 N	1450.14 W	2034.86	4.26
7453.81	88.70	292.80	5465.37	1461.19 N	1479.37 W	2065.29	3.26
7484.59	88.20	293.10	5466.20	1473.19 N	1507.70 W	2095.00	1.89
7515.32	87.90	292.60	5467.25	1485.12 N	1536.00 W	2124.65	1.90
7546.11	87.70	292.40	5468.43	1496.89 N	1564.43 W	2154.30	0.92
7577.04	88.00	292.10	5469.59	1508.59 N	1593.03 W	2184.05	1.37
7608.25	88.10	292.60	5470.65	1520.45 N	1621.88 W	2214.09	1.63
7639.43	87.70	292.20	5471.79	1532.33 N	1650.69 W	2244.10	1.81
7669.52	88.30	291.50	5472.84	1543.52 N	1678.60 W	2272.99	3.06
7699.60	89.00	290.80	5473.55	1554.37 N	1706.65 W	2301.77	3.29
7730.62	89.30	291.00	5474.01	1565.44 N	1735.62 W	2331.42	1.16
7761.40	90.00	292.60	5474.20	1576.87 N	1764.20 W	2360.98	5.67
7792.28	90.10	293.00	5474.17	1588.83 N	1792.67 W	2390.78	1.34
7824.20	89.80	292.60	5474.20	1601.20 N	1822.09 W	2421.59	1.57
7855.54	89.60	293.30	5474.36	1613.42 N	1850.95 W	2451.85	2.32
7885.69	89.80	293.50	5474.52	1625.39 N	1878.62 W	2481.03	0.94
7917.34	89.70	293.50	5474.66	1638.01 N	1907.65 W	2511.67	0.32
7948.75	89.80	294.50	5474.80	1650.79 N	1936.34 W	2542.15	3.20
7979.83	89.70	295.40	5474.93	1663.90 N	1964.52 W	2572.43	2.91
8011.43	89.70	295.10	5475.10	1677.38 N	1993.10 W	2603.25	0.95
8042.94	89.60	294.70	5475.29	1690.65 N	2021.68 W	2633.95	1.31
8074.72	88.40	293.00	5475.85	1703.49 N	2050.74 W	2664.76	6.55
8105.70	88.10	292.60	5476.79	1715.49 N	2079.29 W	2694.64	1.61
8136.52	88.20	292.60	5477.79	1727.33 N	2107.72 W	2724.34	0.32
8150.00	87.40	292.60	5478.30	1732.51 N	2120.16 W	2737.33	5.93
* 8195.00	84.80	292.60	5481.36	1749.76 N	2161.60 W	2780.61	5.78

Bif Projection

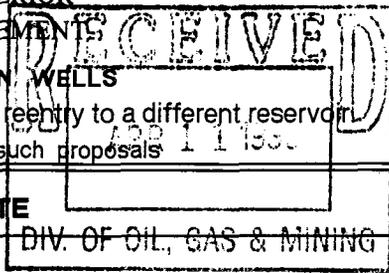
THE DOGLEG SEVERITY IS IN DEGREES PER 100 FEET

THE VERTICAL SECTION WAS COMPUTED ALONG 307.98°

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 2781.04 FEET IN THE DIRECTION OF 308.99°
COORDINATE VALUES ARE GIVEN RELATIVE TO THE PLATFORM REFERENCE POINT

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

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

21-77

9. API Well No.

43-037-31758

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.
P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2446' FEL, 2511' FSL
BHL 902' FNL, 929' FWL
SEC. 21, T41S, R24E

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other WORKOVER Dispose Water
~~COMPLETION~~

(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.)*

2-07-96 MIRU KILL WELL, POOH W/2 7/8 TBG.
2-09-96 DUMP 150 GAL INHIBITED ACID DWN TBG/CSG. DISPLACE ACID W/40 BBLS BW TO EOT @ 5120'
2-10-96 RAN 3 1/2" X 3 1/4" X 34' X 40' PUMP. BTM OF TBG. @ 5104' PUMP @ 5024'
RDMO.

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

Signed Shirley Robertson Title ENV. & REG. TECHNICIAN Date 4-4-96

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

OPERATOR CHANGE WORKSHEET

1. GLH
2. CDW ✓
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No. Unit: RATHERFORD

WELL(S)	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD UNIT 19-13	19-41S-24E	43-037-31719	6280	INDIAN	OW	P
RATHERFORD UNIT 19-24 (MULTI-LEG)	19-41S-24E	43-037-31754	6280	INDIAN	OW	P
RATHERFORD UNIT 20-44	20-41S-24E	43-037-30915	6280	INDIAN	OW	P
20-13	20-41S-24E	43-037-30917	6280	INDIAN	OW	P
20-24	20-41S-24E	43-037-30918	6280	INDIAN	OW	P
20-22	20-41S-24E	43-037-30930	6280	INDIAN	OW	P
RATHERFORD UNIT 20-33	20-41S-24E	43-037-30931	6280	INDIAN	OW	S
RATHERFORD UNIT 20-11	20-41S-24E	43-037-31049	6280	INDIAN	OW	S
RATHERFORD UNIT 20-31	20-41S-24E	43-037-31050	6280	INDIAN	OW	P
RATHERFORD UNIT 20-42	20-41S-24E	43-037-31051	6280	INDIAN	OW	P
RATHERFORD 20-68	20-41S-24E	43-037-31591	6280	INDIAN	OW	P
RATHERFORD 20-66	20-41S-24E	43-037-31592	6280	INDIAN	OW	P
21-23	21-41S-24E	43-037-13754	6280	INDIAN	OW	S
21-32	21-41S-24E	43-037-15755	6280	INDIAN	OW	S
21-34	21-41S-24E	43-037-15756	6280	INDIAN	OW	S
RATHERFORD UNIT 21-11	21-41S-24E	43-037-31052	6280	INDIAN	OW	S
RATHERFORD UNIT 21-24	21-41S-24E	43-037-31720	6280	INDIAN	OW	P
RATHERFORD UNIT 21-77	21-41S-24E	43-037-31758	6280	INDIAN	OW	S
RATHERFORD UNIT 28-11	28-41S-24E	43-037-30446	6280	INDIAN	OW	P
29-34	29-41S-24E	43-037-15340	6280	INDIAN	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/15/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/15/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

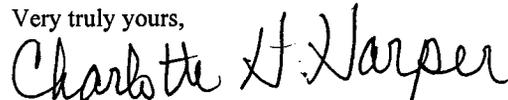
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

~~XXXXXXXXXXXX~~
Navajo Area Office
NAVAJO REGION

P.O. Box 1060
Gallup, New Mexico 87305-1060

AUG 30 2001

IN REPLY REFER TO:

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DEMMI DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM	<i>DM</i>
NATV AM MIN COORD	
SOLID MIN TEAM	
PETRO MENT TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

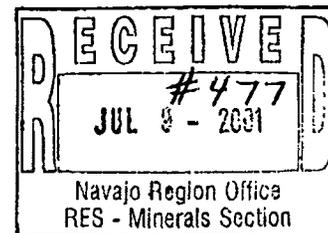
As of 7/12/2001
SN
543
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

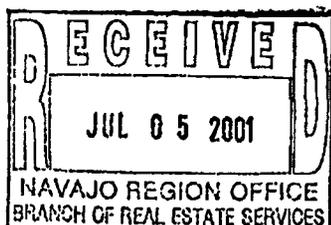
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Isaac

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

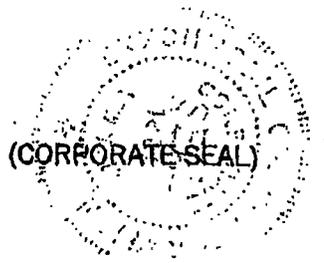
Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218





 Signature
AGENT AND ATTORNEY IN FACT

 Title

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Sullivan
Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

Janice M. Phillips
Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

1000 West Loop South, Suite 1900, Houston, Texas 77027-3301
Houston, TX 77027-4600 • Facsimile: (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00
bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By: 
Mary Pierson, Attorney-in-fact



POWER OF ATTORNEY

Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company

Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint

Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas----- R.F. Bobo,

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the deponent's presence.



Notary Public State of New Jersey
No. 2231647

Karen A. Price
Karen A. Price, Notary Public

Commission Expires Oct 28, 2004

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st: The corporate name of said Company shall be, ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.153 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

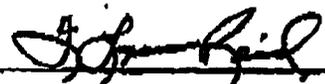
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

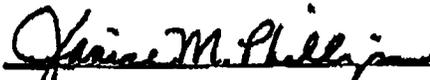
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



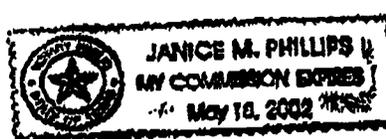
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

06/01 '01 09:01 NO.411 02/02
06/01 '01 09:06 NO.152 04/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

100 cc
STATE OF NEW YORK
DEPARTMENT OF STATE

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

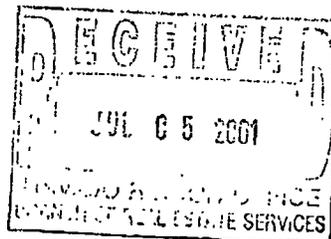
5949 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

Irving, TX 75039-2298
(City, State and Zip code)

ny Albany

Cust Reg # 165578 MPJ



010601000195

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: 6/1/2006	
FROM: (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	TO: (New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600
CA No.	Unit: RATHERFORD

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on:
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See attached list</u>
2. NAME OF OPERATOR: <u>Resolute Natural Resources Company</u> <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Navajo Tribe</u>
3. ADDRESS OF OPERATOR: <u>1675 Broadway, Suite 1950</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: <u>Ratherford Unit</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: <u>See attached list</u>
4. LOCATION OF WELL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: <u>Attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Greater Aneth</u>
		COUNTY: <u>San Juan</u>
		STATE: <u>UTAH</u>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

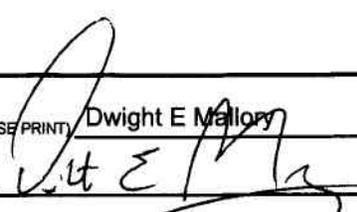
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Mallory</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE 	DATE <u>4/20/2006</u>

(This space for State use only)

APPROVED 6127106
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
APR 24 2006
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		7. UNIT or CA AGREEMENT NAME: UTU68931A
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: Ratherford 9. API NUMBER: attached
		10. FIELD AND POOL, OR WILDCAT: Aneth
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie B. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only) **APPROVED** 6/13/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
APR 21 2006
DIV. OF OIL, GAS & MINING

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	SENE	1882FNL	1910FWL
Ratherford	17-24	430373104400S1	Producing	1420603353	17	41S	24E	SESW	0720FSL	1980FWL
Ratherford	17-31	430373117800S1	Producing	1420603353	17	41S	24E	NWNE	0500FNL	1980FEL
Ratherford	17-33	430373113400S1	Producing	1420603353	17	41S	24E	NWSE	1980FSL	1845FEL
Ratherford	17-42	430373117700S1	Producing	1420603353	17	41S	24E	SENE	1980FNL	0660FEL
Ratherford	17-44	430371573201S1	Producing	1420603353	17	41S	24E	SESE	0660FSL	0660FEL
Ratherford	18-11	430371573300S1	SI	1420603353	18	41S	24E	NWNW	0720FNL	0730FWL
Ratherford	18-13	430371573401S1	Producing	1420603353	18	41S	24E	NWSW	1980FSL	0500FWL
Ratherford	18-22	430373123600S1	Producing	1420603353	18	41S	24E	SENE	2200FNL	2210FWL
Ratherford	18-24	430373107900S1	Producing	1420603353	18	41S	24E	SESW	0760FSL	1980FWL
Ratherford	18-31	430373118101S1	Producing	1420603353	18	41S	24E	NWNE	0795FNL	2090FEL
Ratherford	18-33	430373113501S1	Producing	1420603353	18	41S	24E	NWSE	1870FSL	1980FEL
Ratherford	18-42	430373118200S1	Producing	1420603353	18	41S	24E	SENE	2120FNL	0745FEL
Ratherford	18-44	430373104500S1	SI	1420603353	18	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-11	430373108000S1	Producing	1420603353	19	41S	24E	NWNW	0660FNL	0660FWL
Ratherford	19-13	430373171900S1	Producing	1420603353	19	41S	24E	NWSW	1980FSL	0660FWL
Ratherford	19-22	430373104601S1	Producing	1420603353	19	41S	24E	SENE	1840FNL	1980FWL
Ratherford	19-24	430373175401S1	Producing	1420603353	19	41S	24E	SESW	0600FSL	1980FWL
Ratherford	19-31	430373104701S1	Producing	1420603353	19	41S	24E	NWNE	510FNL	1980FEL
Ratherford	19-33	430373104800S1	Producing	1420603353	19	41S	24E	NWSE	1980FSL	1980FEL
Ratherford	19-42	430373091600S1	Producing	1420603353	19	41S	24E	SENE	1880FNL	0660FEL
Ratherford	19-44	430373108100S1	Producing	1420603353	19	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-97	430373159600S1	Producing	1420603353	19	41S	24E	SENE	2562FNL	0030FEL
Ratherford	20-11	430373104900S1	Producing	1420603353	20	41S	24E	NWNW	0500FNL	0660FWL
Ratherford	20-13	430373091700S1	Producing	1420603353	20	41S	24E	NWSW	2140FSL	0500FWL
Ratherford	20-22	430373093000S1	Producing	1420603353	20	41S	24E	SENE	2020FNL	2090FWL
Ratherford	20-24	430373091800S1	Producing	1420603353	20	41S	24E	SESW	0820FSL	1820FWL

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	20-31	430373105001S1	Producing	1420603353	20	41S	24E	NWNE	0660FNL	1880FEL
Ratherford	20-33	430373093100S1	Producing	1420603353	20	41S	24E	NWSE	1910FSL	2140FEL
Ratherford	20-42	430373105100S1	Producing	1420603353	20	41S	24E	SENE	1980FNL	0660FEL
Ratherford	20-44	430373091501S1	Producing	1420603353	20	41S	24E	SESE	0620FSL	0760FEL
Ratherford	20-66	430373159201S1	Producing	1420603353	20	41S	24E	SWNW	1369FNL	1221FWL
Ratherford	20-68	430373159100S1	Producing	1420603353	20	41S	24E	NWSW	1615FSL	1276FWL
Ratherford	15-12	430371571501S1	Producing	1420603355	15	41S	24E	SWNW	1820FNL	0500FWL
Ratherford	15-22	430373044900S1	SI	1420603355	15	41S	24E	SENE	1980FNL	2050FWL
Ratherford	15-32	430371571700S1	Producing	1420603355	15	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	15-33	430371571800S1	Producing	1420603355	15	41S	24E	NWSE	1650FSL	1980FEL
Ratherford	15-41	430371571900S1	TA	1420603355	15	41S	24E	NENE	0660FNL	0660FEL
Ratherford	15-42	430373044800S1	Producing	1420603355	15	41S	24E	SENE	2020FNL	0820FEL
Ratherford	16-13	430373116801S1	Producing	1420603355	16	41S	24E	NWSW	1980FSL	660FWL
Ratherford	16-32	430371572300S1	Producing	1420603355	16	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	16-41	430371572500S1	Producing	1420603355	16	41S	24E	NENE	0660FNL	0660FEL
Ratherford	16-77	430373176800S1	Producing	1420603355	16	41S	24E	NESW	2587FSL	2410FWL
Ratherford	21-23	430371375400S1	Producing	1420603355	21	41S	24E	NESW	1740FSL	1740FWL
Ratherford	21-24	430373172001S1	SI	1420603355	21	41S	24E	SESW	487FSL	2064FWL
Ratherford	21-32	430371575500S1	SI	1420603355	21	41S	24E	SWNE	1880FNL	1980FEL
Ratherford	21-77	430373175801S1	SI	1420603355	21	41S	24E	NWSE	2511FSL	2446FEL
Ratherford	07-11	430373116300S1	Producing	1420603368	7	41S	24E	NWNW	0660FNL	0710FWL
Ratherford	07-13	430373116400S1	Producing	1420603368	7	41S	24E	NWSW	2110FSL	0740FWL
Ratherford	07-22	430373116500S1	Producing	1420603368	7	41S	24E	SENE	1980FNL	1980FWL
Ratherford	07-24	430373116600S1	Producing	1420603368	7	41S	24E	SESW	0880FSL	2414FWL
Ratherford	07-44	430373118900S1	SI	1420603368	7	41S	24E	SESE	0737FSL	0555FEL
Ratherford	08-12	430371599100S1	Producing	1420603368	8	41S	24E	SWNW	1909FNL	0520FWL
Ratherford	08-21	430371599300S1	Producing	1420603368	8	41S	24E	NENW	0616FNL	1911FWL
Ratherford	08-23	430371599400S1	Producing	1420603368	8	41S	24E	NESW	1920FSL	2055FWL
Ratherford	08-32	430371599500S1	Producing	1420603368	8	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	08-34	430371599600S1	Producing	1420603368	8	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	04-34	430371616400S1	Producing	14206034035	4	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	11-14	430371616700S1	Producing	14206034037	11	41S	24E	SWSW	0660FSL	0660FWL
Ratherford	09-34	430371571100S1	SI	14206034043	9	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	10-12	430371571200S1	Producing	14206034043	10	41S	24E	SWNW	1980FNL	0660FWL
Ratherford	10-14	430371571300S1	Producing	14206034043	10	41S	24E	SWSW	0510FSL	0710FWL
Ratherford	10-32	430371571400S1	TA	14206034043	10	41S	24E	SWNE	2080FNL	1910FEL
Ratherford	10-44	430373045100S1	TA	14206034043	10	41S	24E	SESE	0820FSL	0510FEL
Ratherford	29-11	430373105300S1	Producing	1420603407	29	41S	24E	NWNW	0770FNL	0585FWL
Ratherford	29-22	430373108200S1	Producing	1420603407	29	41S	24E	SENE	2130FNL	1370FWL
Ratherford	29-31	430373091401S1	Producing	1420603407	29	41S	24E	NWNE	0700FNL	2140FEL
Ratherford	29-33	430373093200S1	SI	1420603407	29	41S	24E	NWSE	1860FSL	1820FEL
Ratherford	29-34	430371534000S1	SI	1420603407	29	41S	24E	SWSE	0817FSL	2096FEL
Ratherford	29-42	430373093700S1	SI	1420603407	29	41S	24E	SENE	1850FNL	0660FEL
Ratherford	30-32	430371534200S1	Producing	1420603407	30	41S	24E	SWNE	1975FNL	2010FEL
Ratherford	28-11	430373044600S1	Producing	1420603409	28	41S	24E	NWNW	0520FNL	0620FWL

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	09-12	430371512600S1	Producing	14206035045	9	41S	24E	SWNW	1865FNL	0780FWL
Ratherford	09-14	430371512700S1	Producing	14206035046	9	41S	24E	SWSW	0695FSL	0695FWL
Ratherford	04-14	430371616300S1	Producing	14206035446	4	41S	24E	SWSW	0500FSL	0660FWL
Ratherford	03-12	430371562000S1	Producing	14206036506	3	41S	24E	SWNW	2140FNL	0660FWL

Water Source Wells (Feb 2006)

RU	S1	4303700001	Active
RU	S2	4303700002	Active
RU	S3	4303700003	Active
RU	S4	4303700004	Active
RU	S5	4303700005	Active
RU	S6	4303700006	Active
RU	S7	4303700007	Active
RU	S8	4303700008	Active
RU	S9	4303700009	Active
RU	S10	4303700010	Active
RU	S11	4303700011	Active
RU	S12	4303700012	Active
RU	S13	4303700013	Active
RU	S14	4303700014	Active
RU	S16	4303700016	Active
RU	S17	4303700017	Active