

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 MOBIL EXPLORATION & PRODUCING U.S. AS AGENT FOR MPTM/MEPNA

3. ADDRESS OF OPERATOR
 P O BOX 633 MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 754' FNL, 1604' FEL
 At proposed prod. zone
 SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 3 MILES SOUTH FROM MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1604' FROM RATHERFORD UNIT LEASE LINE

16. NO. OF ACRES IN LEASE
 1680

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80 ACRES

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 6000

19. PROPOSED DEPTH
 6000

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GL - 4521

22. APPROX. DATE WORK WILL START*
 Nov. 15, 1993

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-603-247A

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.
 14-31

10. FIELD AND POOL, OR WILDCAT
 GREATER ANETH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 14, T41S, R23E

12. COUNTY OR PARISH
 SAN JUAN

13. STATE
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2 "	13 3/8"	48#	80'	111 ft ³ (Circ. to Surf)
11"	8 5/8"	24#	1600'	540 ft ³ (Circ. to Surf)
7 - 7/8"	5 1/2"	15.5%	5600'	1403 ft ³ (Circ. to Surf)

SEE ATTACHED 8 POINT WELL CONTROL PLAN FOR ADDITIONAL DRILLING INFORMATION

RECEIVED

SEP 20 1993

DIVISION OF
OIL, GAS & MINING

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 Jodal TITLE Env. & Reg. Technician DATE 9-15-93

(This space for Federal or State office use)

PERMIT NO. 43-037-31717 APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

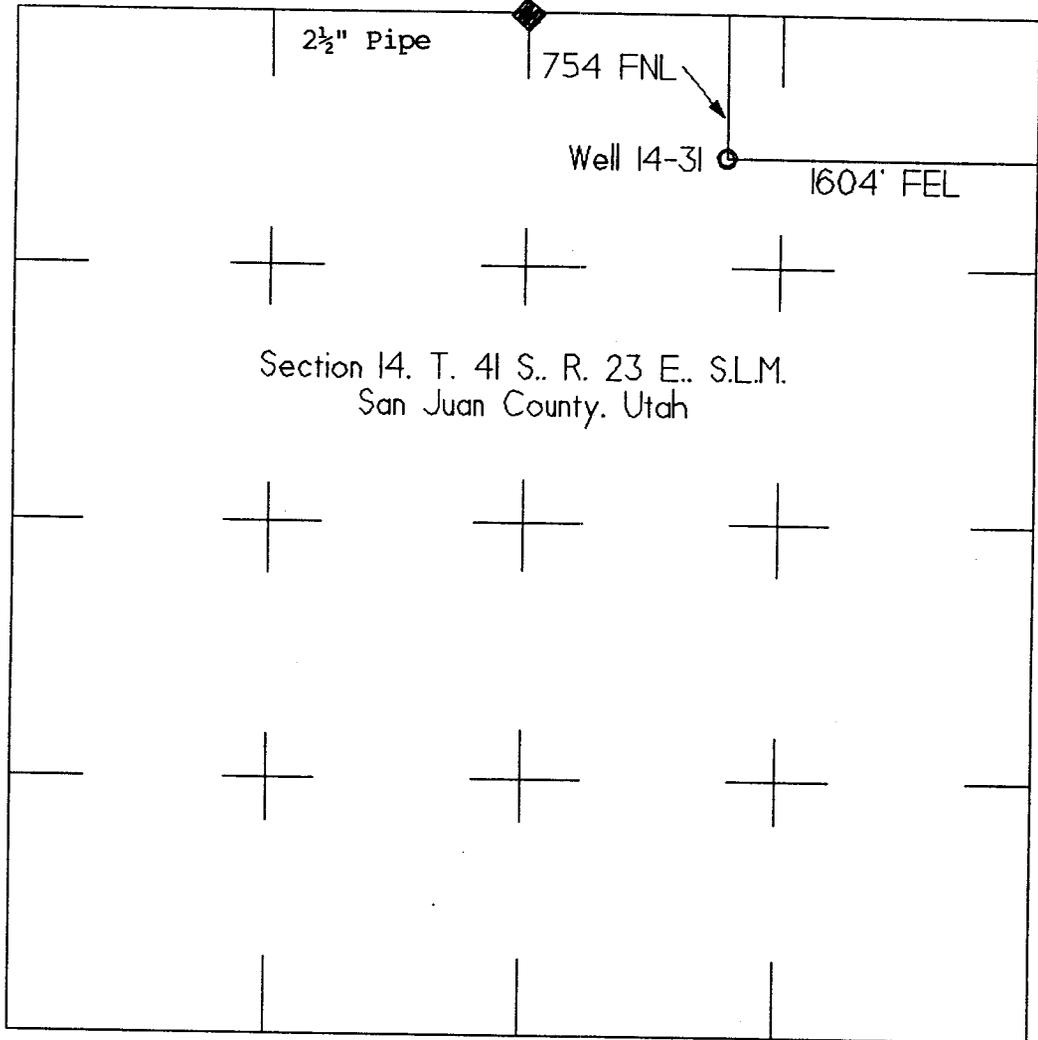
~~43-037-31717~~
~~9-15-93~~
~~649-2-3~~

*See Instructions On Reverse Side

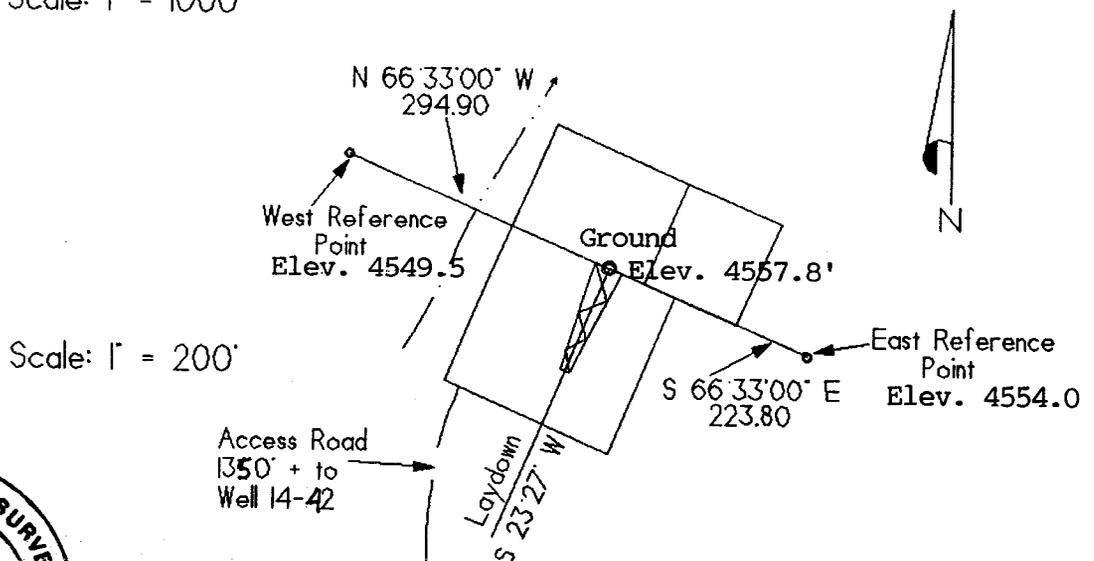
Mobil Oil Co - Well 14-31 Ratherford Unit
 NE $\frac{1}{4}$ Section 14, T41S, T23E, SLM, San Juan County, Utah

August 18, 1993
 Page 1 of 3

MOBIL OIL COMPANY
 Well 14-31
 NW/4 NE/4 Section 14



Scale: 1" = 1000'



Scale: 1" = 200'



MANESS AND ASSOCIATES, INC.
 SURVEYING

PO BOX 1163
 215 N. Linden
 Cortez, Colorado
 565-8845

Mobil Oil Corporation
Ratherford Unit #14-31
754' FNL and 1604' FEL
Section 14, T-41-S, R-23-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	1300'	1312'	3221'
DeChelly SS	2350'	2362'	2171'
Hermosa LS	4650'	4662'	-129'
Ismay LS	5175'	5187'	-654'
L. Ismay LS	5300'	5312'	-779'
Gothic Shale	5320'	5332'	-799'
Desert Creek I	5345'	5357'	-824'
Desert Creek II	5400'	5412'	-879'
Chimney Rock	5515'	5527'	-994'
Total Depth (TD)	5600'	5612'	-1079'

* All depths based on ground level of 4521'

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 5345' Desert Creek II 5400'

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 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
 Ratherford Unit #14-31
 754'FNL and 1604' FEL
 Section 14, T-41-S, R-23-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'
11"	8-5/8"	24#	USS50	ST&C	New	0000' - 1600'
7-7/8"	5-1/2"	15.5#	USS50	LT&C	New	0000' - 5600'

Surface Casing (0' to 80'): Cement to surface with 111 ft³. Volume calculated with 100% excess. Ready-Mix cement.

Intermediate Casing (0' to 1600'): Cement to surface with 540 ft³. Volume calculated with 30% excess. Lead with slurry of 65:35:6 "B" Poz + 2% CaCl₂. Tail with Class "B" + 2% CaCl₂. Total of 12 centralizers and one stop collar. One on the shoe joint and one every third collar to 200' from surface.

Production Casing (0' to 5800'): Cement to surface with 1403 ft³. Volume calculated with 50% excess. Lead with slurry of 50/50 "G" Poz + 8% Gel + .75% Halad-344. Tail with slurry of Premium Cement + 0.05 gal/sx D-AIR-3 + 2.0 gal/sx Latex 2000 + 0.22 gal/sx 434B + 0.5% CFR-3 (Weight/Yield = 15.6/1.18). Total of 17 centralizers and 3 stop collars. One centralizer on the float shoe then every third 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	8.4 - 8.8	35 - 45	NC
1600' - 5000'	FW/PHPA	9.0 - 11.5	36 - 48	NC
5000' - 5800'	FW/PHPA	10 - 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

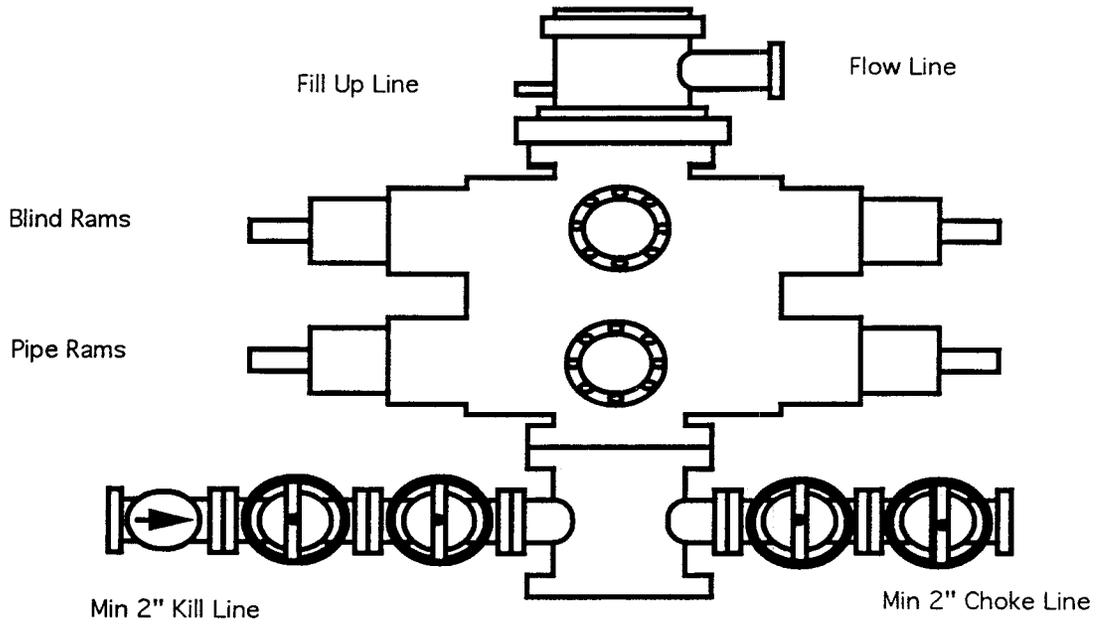
Possible water flows in the DeChelly formation may be encountered.

8. MISCELLANEOUS

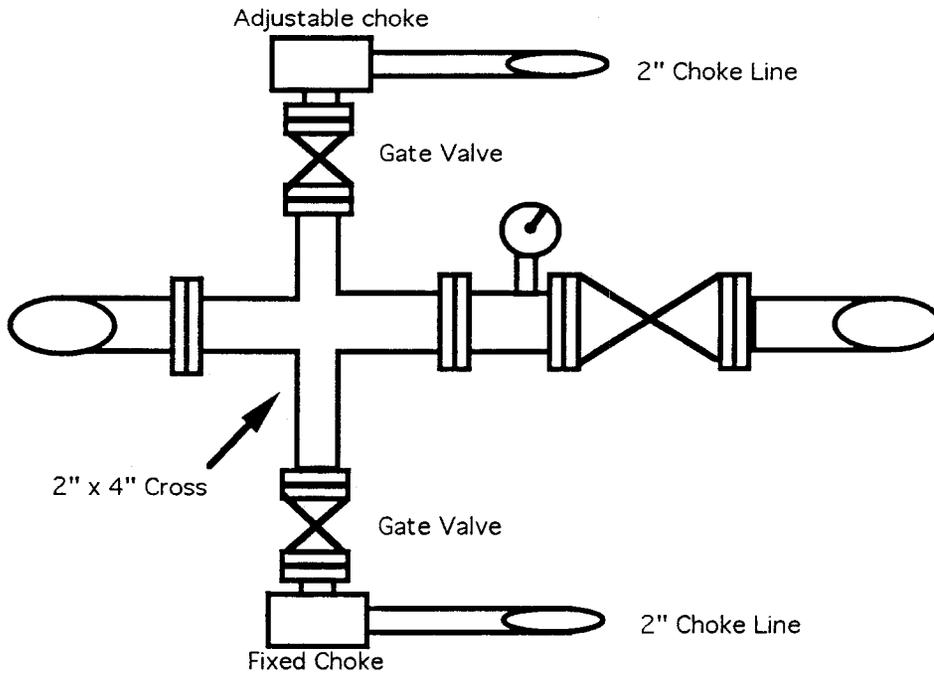
The anticipated spud date is November, 1993. It is expected to take +/- 24 days to drill the well and 10 days to complete the well.

Mobil Oil Corporation
Ratherford Unit #14-31
Sec 14, T-41-S, R-23-E
1604' FEL and 754' FNL
San Juan Co., Utah

Bop Equipment
11" x 3000 psi Working Pressure

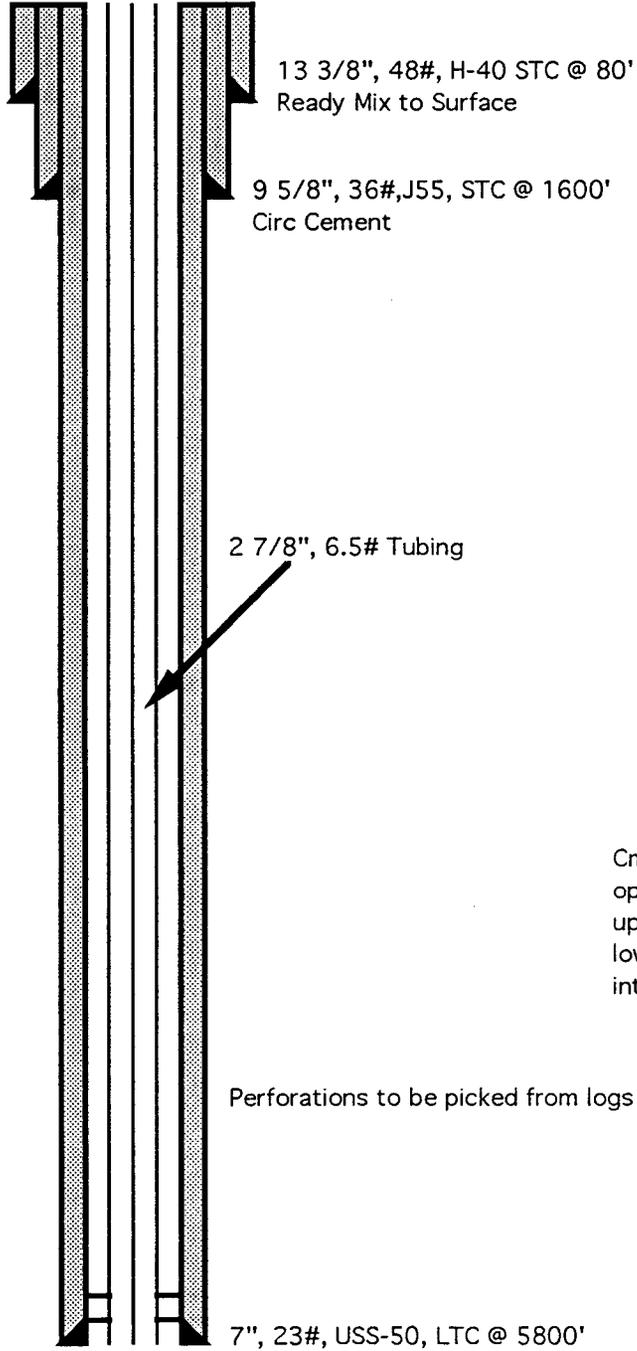


Choke Manifold
3000 psi

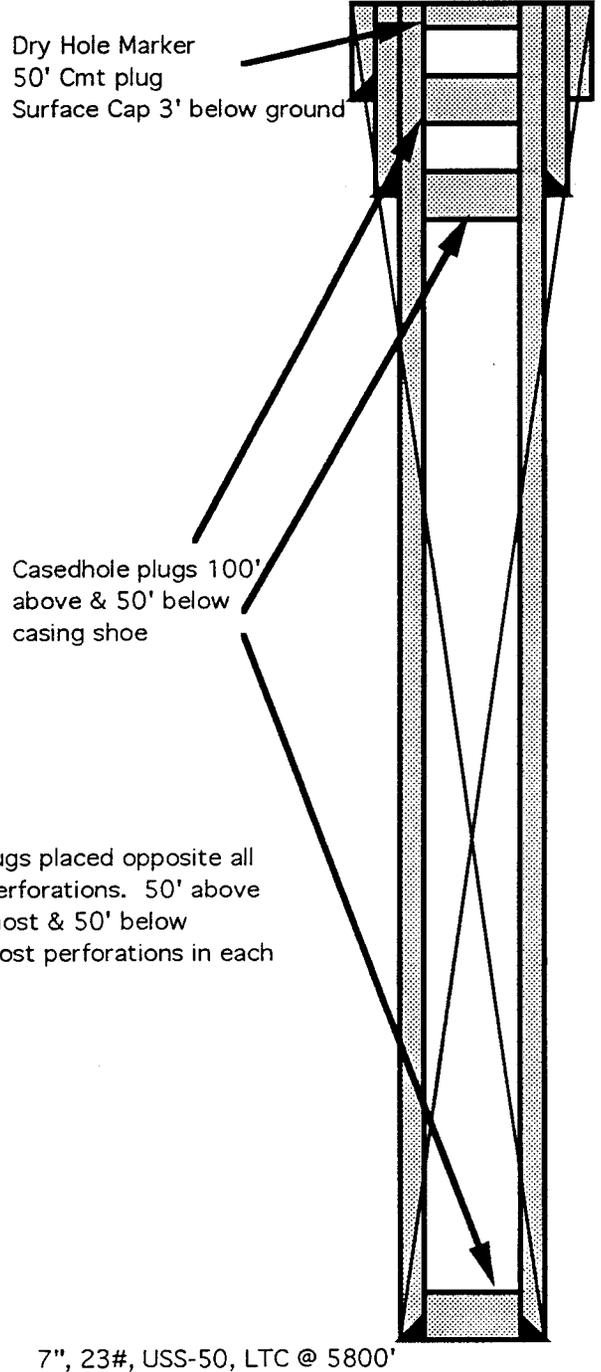


Mobil Oil Corporation
 Ratherford Unit #14-31
 Sec 14, T-41-S, R-23-E
 1604' FEL and 754' FNL
 San Juan Co., Utah

Proposed Completion



Proposed P&A



Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

1. DIRECTIONS & EXISTING ROADS

From the Montezuma Creek Post Office, go S 3.6 mi. on BIA Road N-5064. Then turn right and go SW 0.2 mi. on a field road. Then turn right and go NW 0.6 mi. on a field road to the 14-42 well. Cross to the NW side of the pad and follow a flagged line NW \approx 1350' 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

The final \approx 1350' of road will be built and rocked with a \approx 16' wide travel surface within a maximum 50' wide (25' for road + 25' for pipeline) disturbed corridor. No cattleguards or culverts are needed. Maximum cut or fill will be 3'. Maximum grade will be 4%.

3. EXISTING WELLS

There are eleven oil, twelve injection, and one P&A wells within a mile radius. All are shown on an attached map. There are no water or gas wells. All of the wells are within the Ratherford Unit.

4. PROPOSED PRODUCTION FACILITIES

Production will be piped via a \approx 5100' long surface (buried at road crossings) flowline northeast to Satellite 12. No new tanks are needed. If the well is converted to an injector, then a \approx 1350' long buried

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Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

injection line will be laid southeast along the access road to the 14-42 injection well. Surface disturbance will be limited to that necessary for pipeline construction. All fill material will be removed from all drainages and the drainages returned to their natural form.

The 3.5" OD coiled steel tubing flowline will operate at ≈ 200 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, and will be laid on the surface except at road crossings. The ≤ 6 " OD welded steel or coiled steel tubing injection line will operate at ≈ 1500 to ≈ 3500 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, will be internally coated or lined, and will be buried at least 30" deep.

An above ground 3 phase 25kv $\approx 600'$ long raptor proof powerline will also be built along the new road. The proposed powerline will tie into an existing powerline midway along the new road.

Above ground structures and equipment (only a pump jack 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 a BLM (San Juan RA of the Moab District) artesian well in NENW 27-40s-23e. Mobil has permission from the Monticello BLM office.

6. CONSTRUCTION MATERIALS & METHODS

The top 10" of soil and brush will be stripped and stored east of the pad and south of the pit. A 24" high berm will be built along the fill (north

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and west) sides of the pad. A minimum 12 mil plastic liner will be installed in the reserve pit. Due to its location in a sand dune, the wellpad surface will be rocked. Rock surfacing material will be bought from a private source. No material will be taken from public land.

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 is 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.

Mobil Exploration & Producing U.S. Inc.
 Ratherford Unit 14-31
 754' FNL & 1604' FEL
 Sec. 14, T. 41 S., R. 23 E.
 San Juan County, Utah

10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate. Rock surfacing material will be removed before starting reclamation. All disturbed areas will be recontoured to a natural shape to blend with the surrounding topography. 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 and 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 reserve pit and any other areas not needed for workovers will be reclaimed in the same manner.

<i>SPECIES FOR ROAD & WELLPAD</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 new road 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

The injection pipeline will be seeded (below) with a slightly different

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Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

seed mix, but otherwise reclaimed in the same manner as the wellpad and road. Berms will be built at the top of all slopes and road or trail crossings.

<i>SPECIES FOR PIPELINE</i>	<i>lbs/acre PLS</i>
Indian ricegrass	3
Giant dropseed	1
Sand dropseed	1
Mammoth wild rye	3
Four wing saltbush	3

11. SURFACE OWNER

The well, new 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 Branch of Natural Resources, P.O. Box 966, Shiprock, NM 87420. Call Randy Cornett at (505) 368-4427.

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 medically equipped helicopter is in Farmington NM. Farmington hospital phone number is (505) 325-5011.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

13. REPRESENTATION

Anyone having questions concerning the APD should contact:

Shirley Todd, 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) 984-8120

The field representative will be:

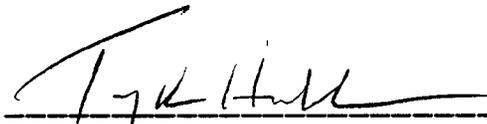
Ed Barber, Production Foreman
Mobil Exploration & Producing U. S. Inc.
P.O. Drawer G
Cortez, Co. 81321
(303) 565-9049

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.

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

Mobil Exploration & Producing U.S. Inc.
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754' FNL & 1604' FEL
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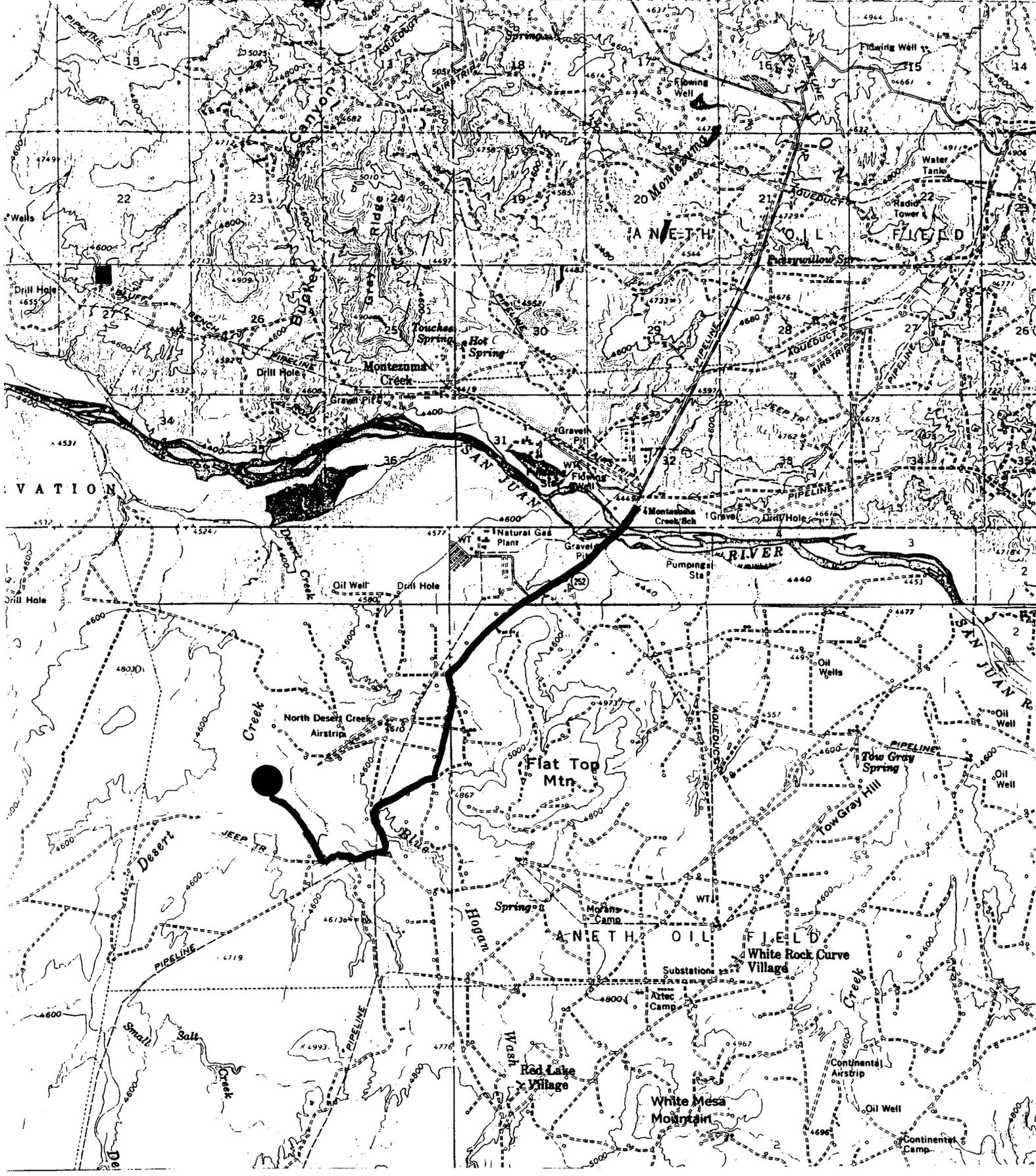
provisions of 18 U.S.C. 1001 for the filing of a false statement.

for 

Diane Klancher
Environmental Regulatory/LP Supervisor
Environmental & Regulatory Dept.
Mobil Exploration & Producing U. S. Inc.

9-14-93

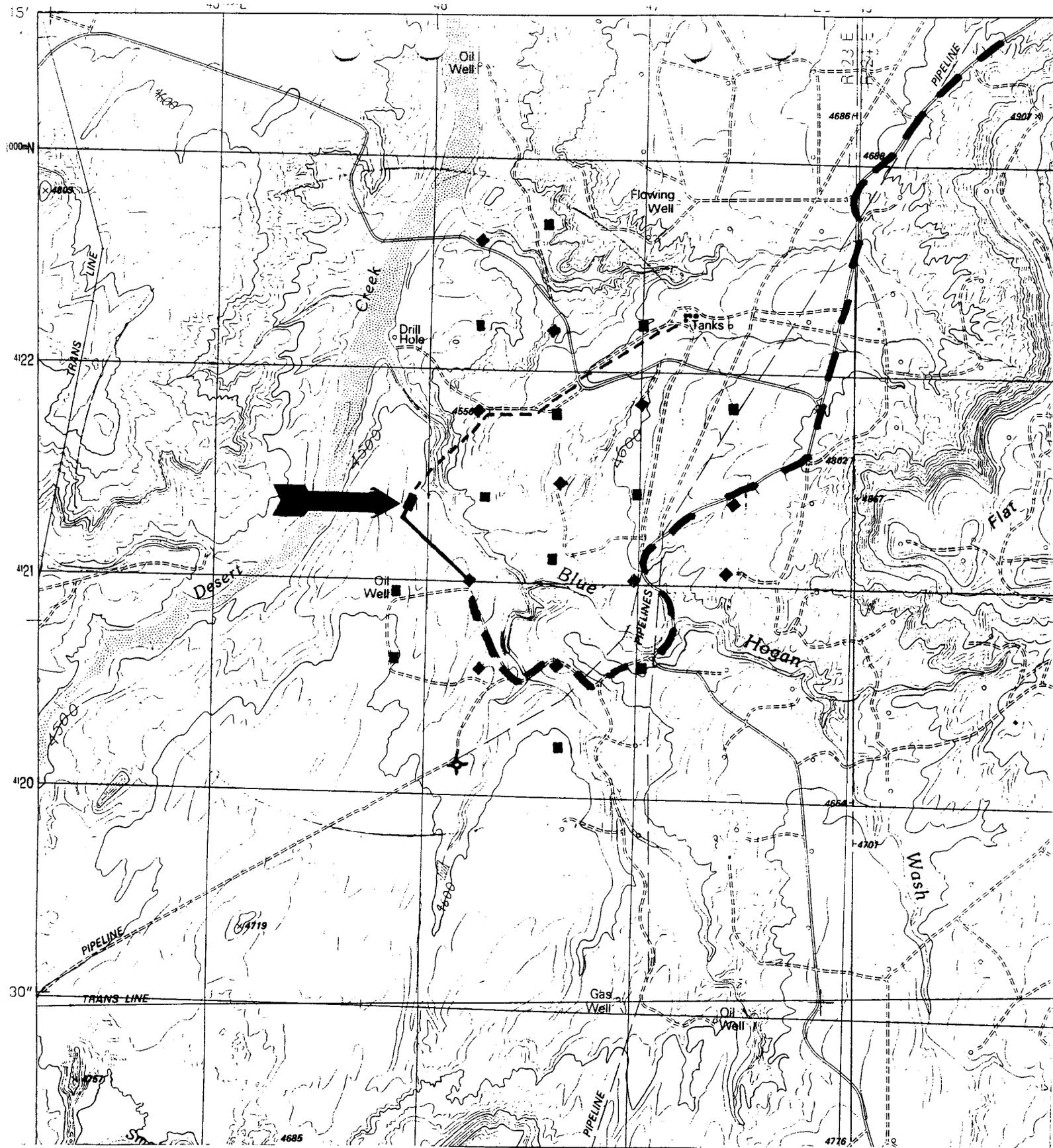
Date

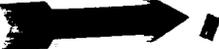


Proposed Well: ●

Access Road: ~

Water Source: ■



Proposed 14-31 Well: 

New Road, Powerline, & Buried Pipeline: 

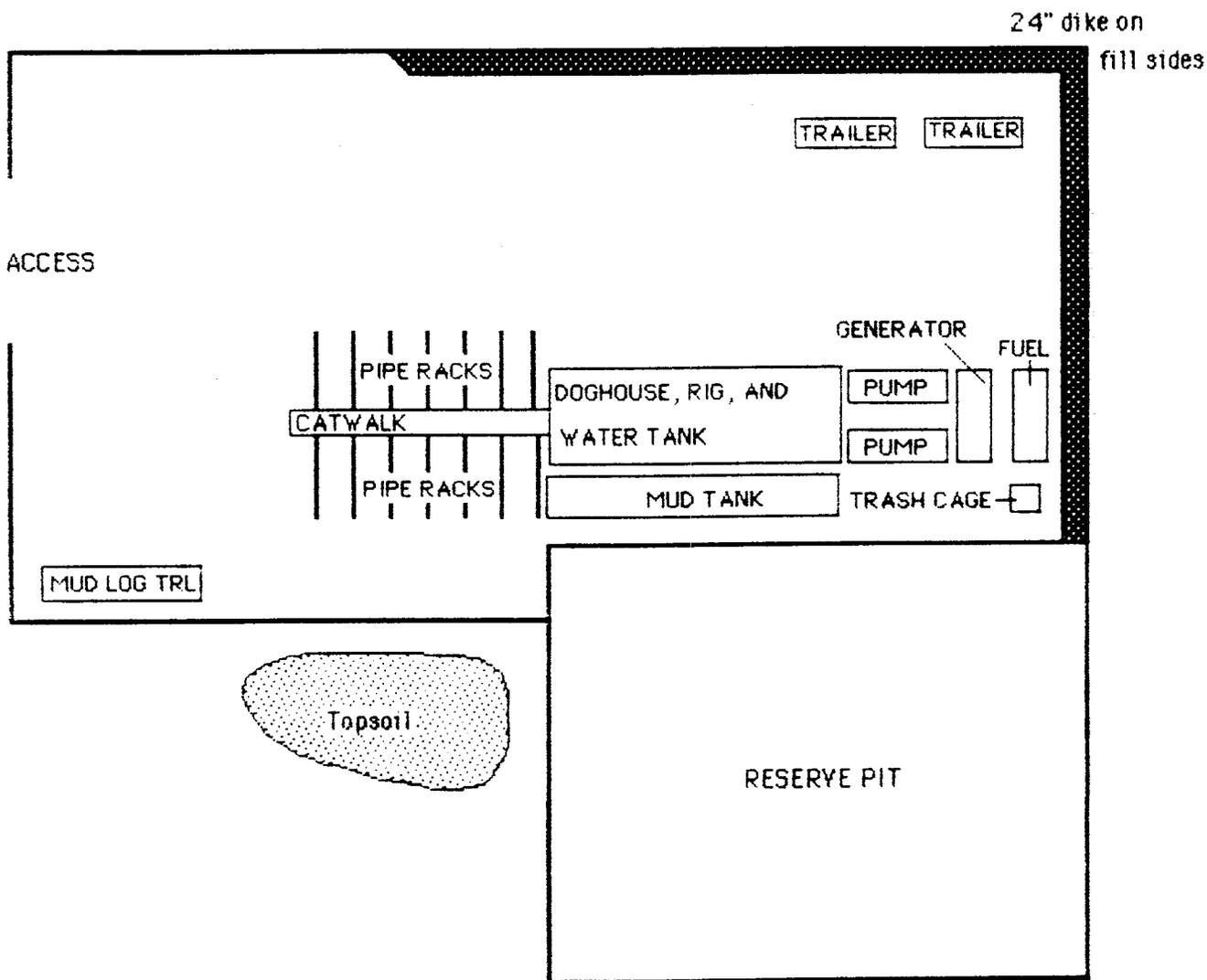
Injection Well: 

New Surface Flowline: 

Oil Well: 

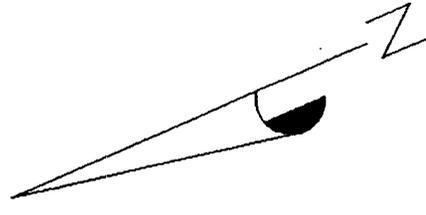
Existing Road: 

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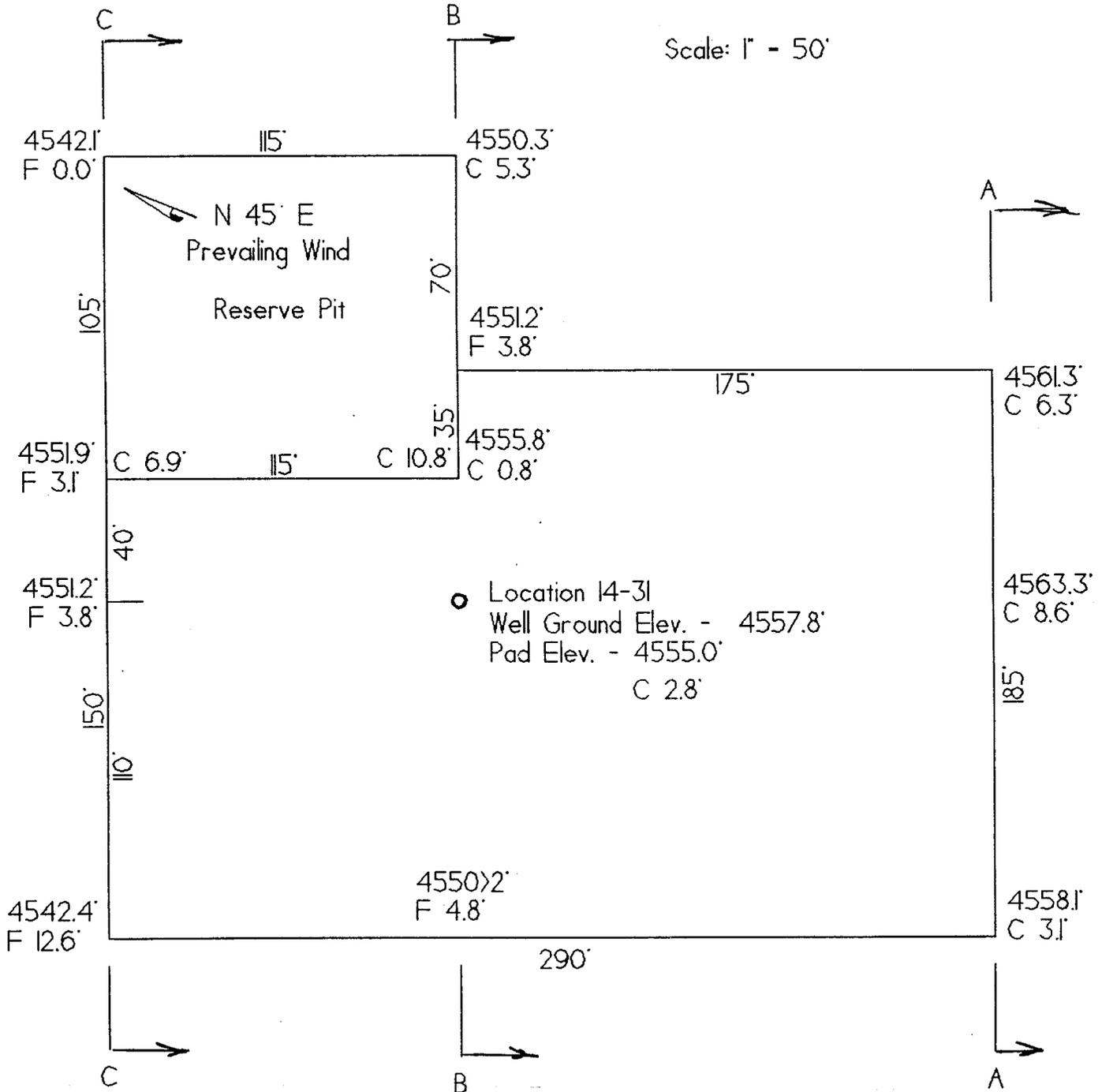


Mobil Oil Co - Well 14-31 Ratherford Unit
 NE $\frac{1}{4}$ Section 14, T41S, R23E, SLM, San Juan county, Utah

August 18, 1993
 Page 2 of 3



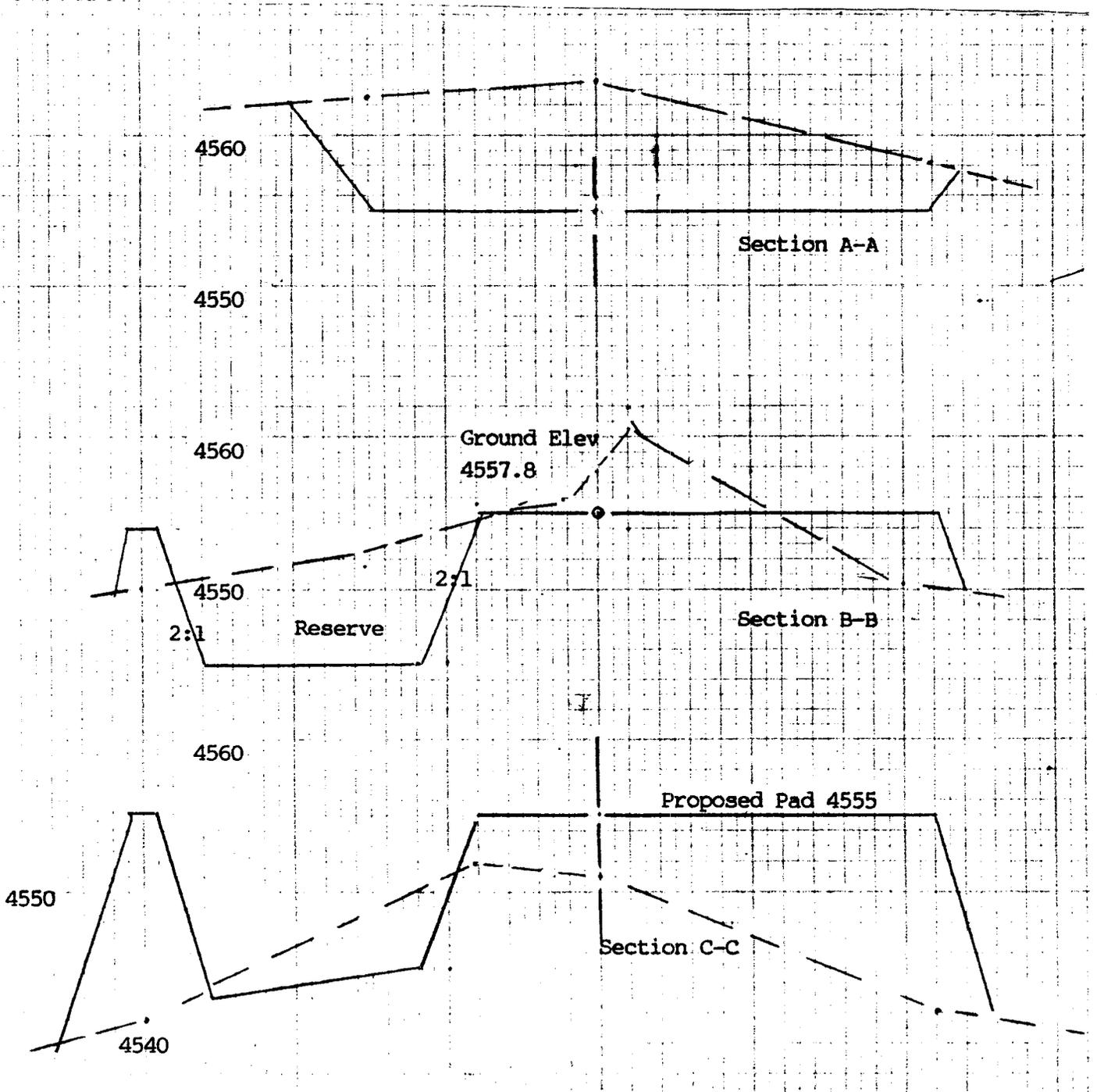
Scale: 1" = 50'



See page 3 for cross sections

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MANESS AND ASSOCIATES
SURVEYING

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WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/20/93

API NO. ASSIGNED: 43-037-31717

WELL NAME: RATHERFORD UNIT 14-31
OPERATOR: MOBIL EXPL. & PROD. (N7370)

PROPOSED LOCATION:
NWNE 14 - T41S - R23E
SURFACE: 0754-FNL-1604-FEL
BOTTOM: 0754-FNL-1604-FEL
SAN JUAN COUNTY
GREATER ANETH FIELD (365)

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

LEASE TYPE: IND
LEASE NUMBER: 14-20-603-247A

→ Duane Spencer (505) 549-8963 -

RECEIVED AND/OR REVIEWED:

- Y Plat
- Y Bond FEDERAL
(Number _____)
- N Potash (Y/N)
- N Oil shale (Y/N)
- Y Water permit
(Number SEE BELOW _____)
- N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

- Y R649-2-3. Unit: SW-I-4192
- ___ R649-3-2. General.
- ___ R649-3-3. Exception.
- H Drilling Unit.
Board Cause no: 1524
Date: 5/20/84 (40 ACRES)
WELL IS FOR 80 ACRES

AMENDED APD FILED 10/21/93

COMMENTS: WATER WILL BE PURCHASED FROM THE
NAVATO TRIBE. NO CURRENT PLAN OF UNIT DEVELOPMENT
IS ON FILE. POD 10/26/93

STIPULATIONS: H2S AREA POSSIBLE.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PROPOSED
LOCATION RU 14-31

T
41
S

R 23 E

RATHERFORD UNIT WEST SIDE
PROPOSED LOCATION RU 14-31

AMENDE

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

SUBMIT IN TRIPLICATE*
(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

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14-20-603-247A

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14-31

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AND SURVEY OR AREA
SEC. 14, T41S, R23E

12. COUNTY OR PARISH | 13. STATE

SAN JUAN

UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

MOBIL EXPLORATION & PRODUCING U.S. AS AGENT FOR MPTM/MEPNA

3. ADDRESS OF OPERATOR

P O BOX 633 MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

754' FNL, 1604' FEL

At proposed prod. zone

SAME

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3 MILES SOUTH FROM MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST

1604' FROM RATHERFORD UNIT

PROPERTY OR LEASE LINE, FT.

LEASE LINE

(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

2161

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80 ACRES

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

19. PROPOSED DEPTH

6000

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL - 4521

22. APPROX. DATE WORK WILL START*

Nov. 15, 1993

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2 "	13 3/8"	48#	80'	111 ft ³ (Circ. to Surf)
11"	8 5/8"	24#	1600'	540 ft ³ (Circ. to Surf)
7 - 7/8"	5 1/2"	15.5%	6000	1403 ft ³ (Circ. to Surf)

SEE ATTACHED 8 POINT WELL CONTROL PLAN FOR ADDITIONAL DRILLING 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 flag(s)
- 8) Mud-gas separator
- 9) Communication from wellsite

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 Todd

TITLE Env. & Reg. Technician

DATE

10-8-93

(This space for Federal or State office use)

PERMIT NO.

43-037-317A

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
OCT 12 1993
649-23

*See Instructions On Reverse Side

DIVISION OF

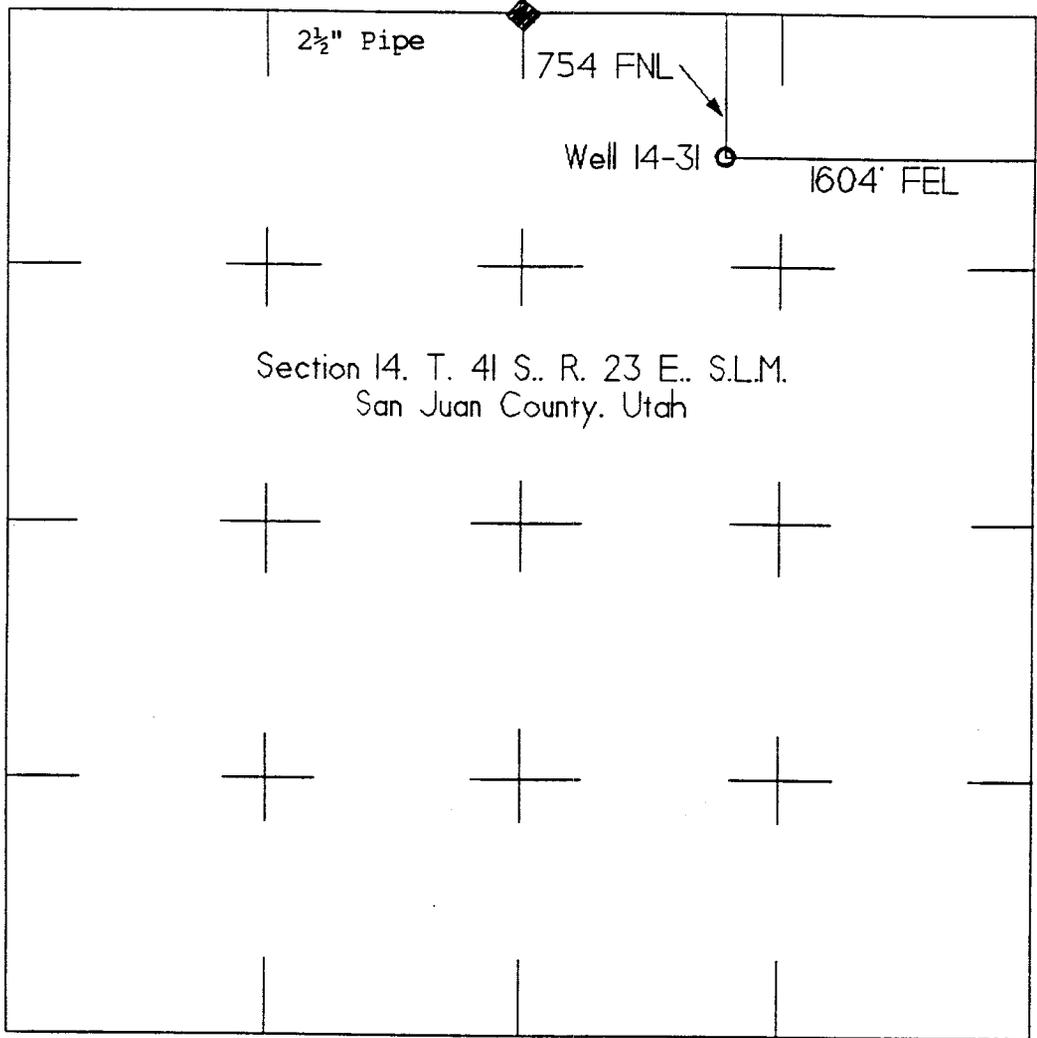
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department, agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OIL, GAS & MINING

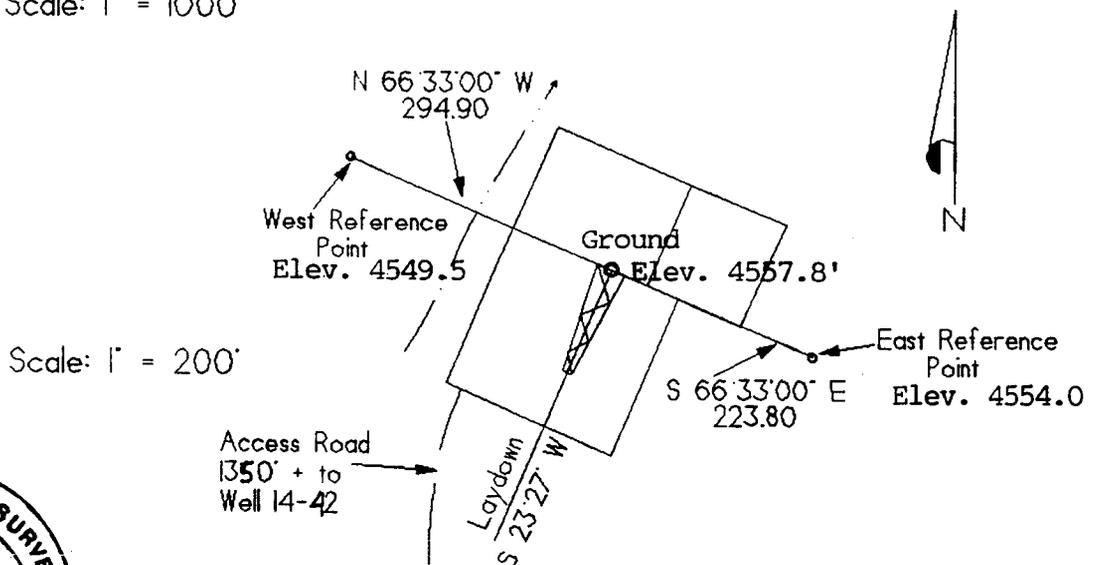
Mobil Oil Co - Well 14-31 Ratherford Unit
NE $\frac{1}{4}$ Section 14, T41S, T23E, SLM, San Juan County, Utah

August 18, 1993
Page 1 of 3

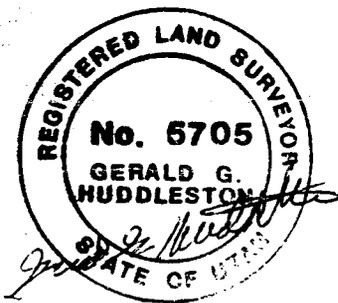
MOBIL OIL COMPANY
Well 14-31
NW/4 NE/4 Section 14



Scale: 1" = 1000'



Scale: 1" = 200'



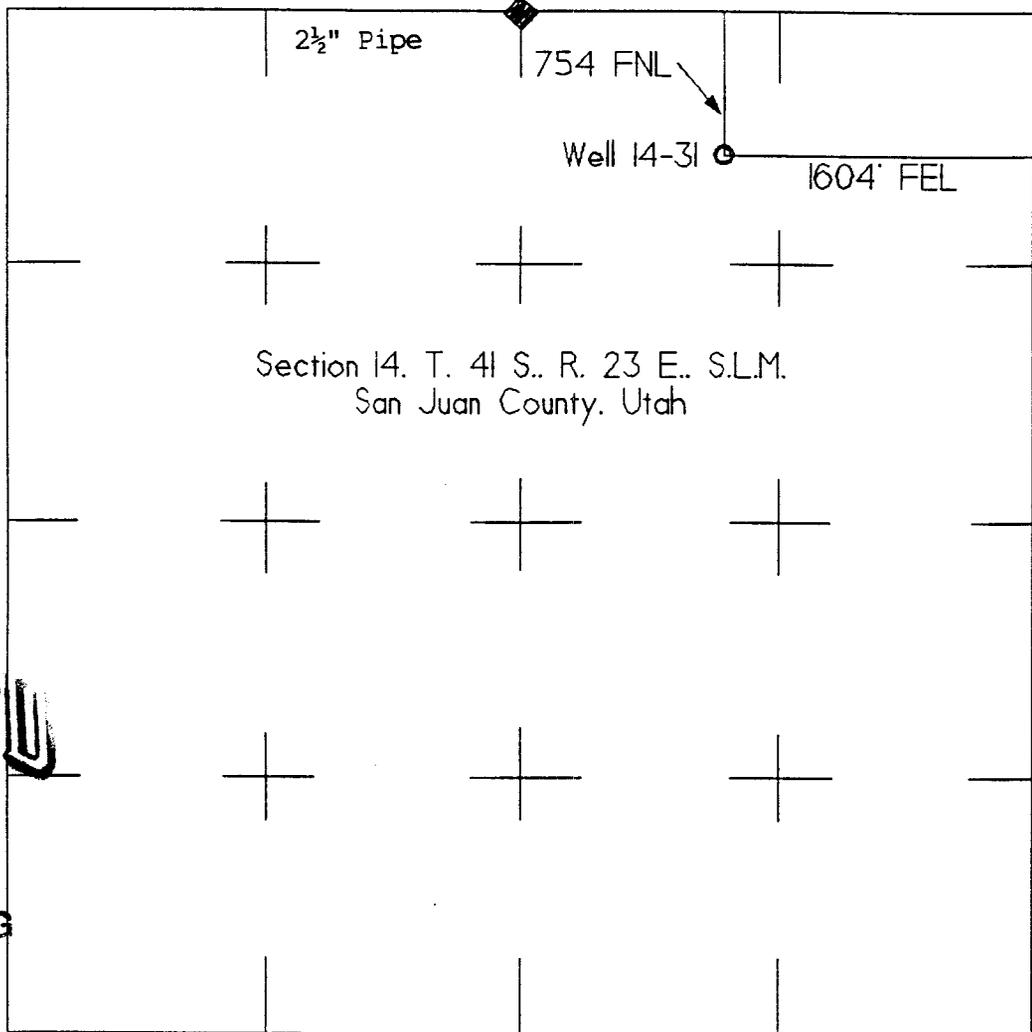
MANESS AND ASSOCIATES, INC.
SURVEYING

PO BOX 1163
215 N. Linden
Cortez, Colorado
965-8845

Mobil Oil Co - Well 14-31 Ratherford Unit
NE $\frac{1}{4}$ Section 14, T41S, T23E, SLM, San Juan County, Utah

August 18, 1993
Page 1 of 3

MOBIL OIL COMPANY
Well 14-31
NW/4 NE/4 Section 14

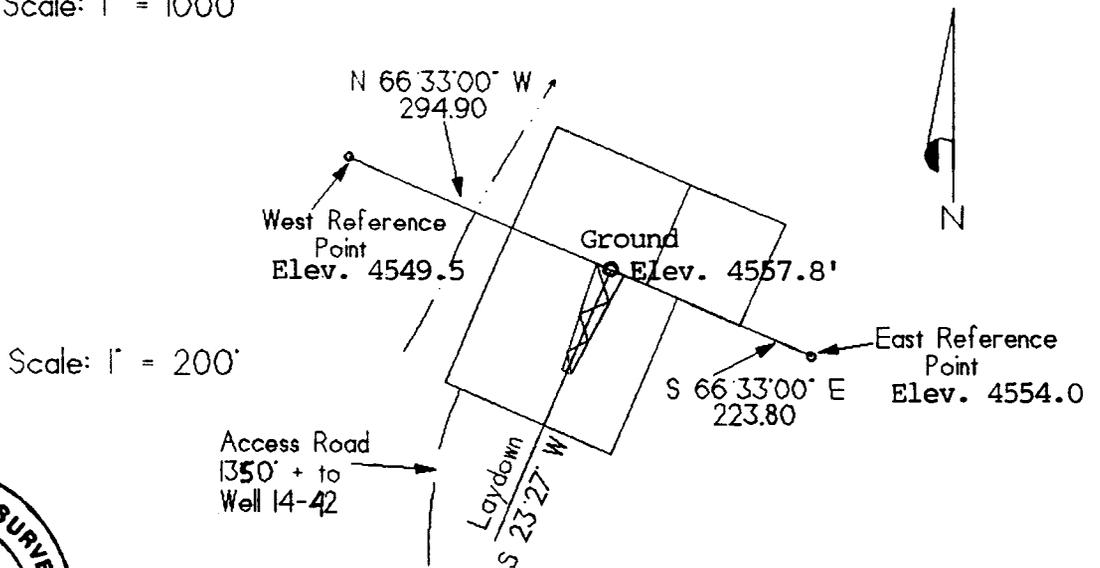


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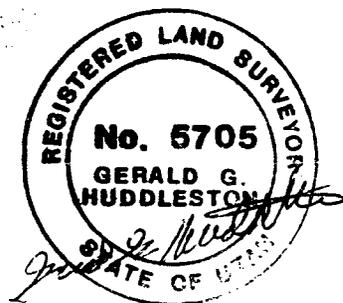
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Scale: 1" = 1000'



Scale: 1" = 200'



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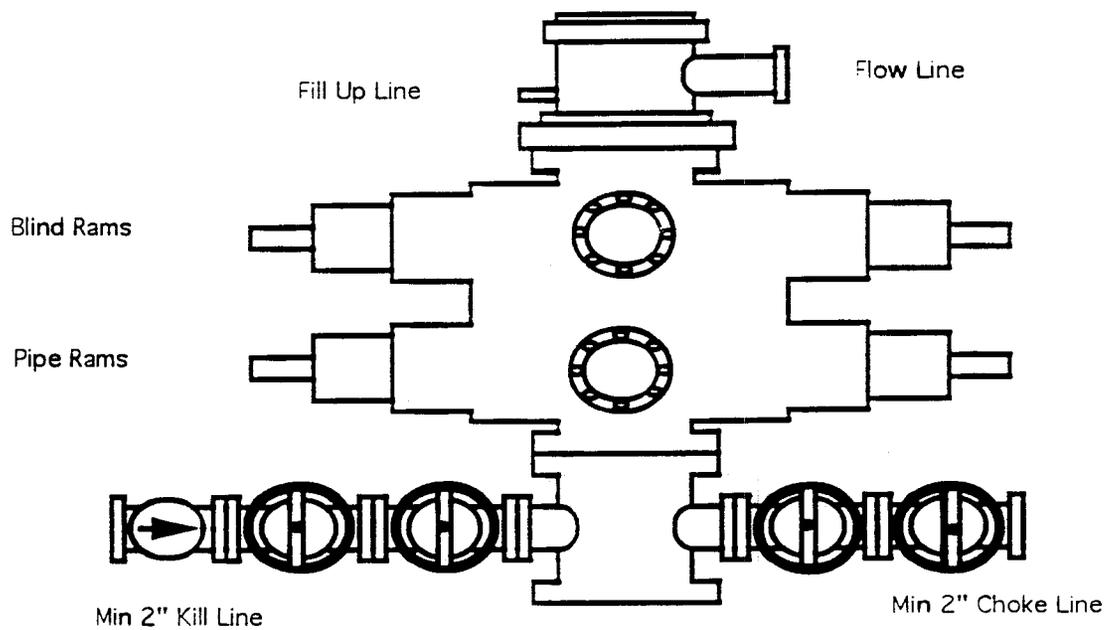
Mobil Oil Corporation
Ratherford Unit #14-31
Sec 14, T-41-S, R-23-E
1604' FEL and 754' FNL
San Juan Co., Utah

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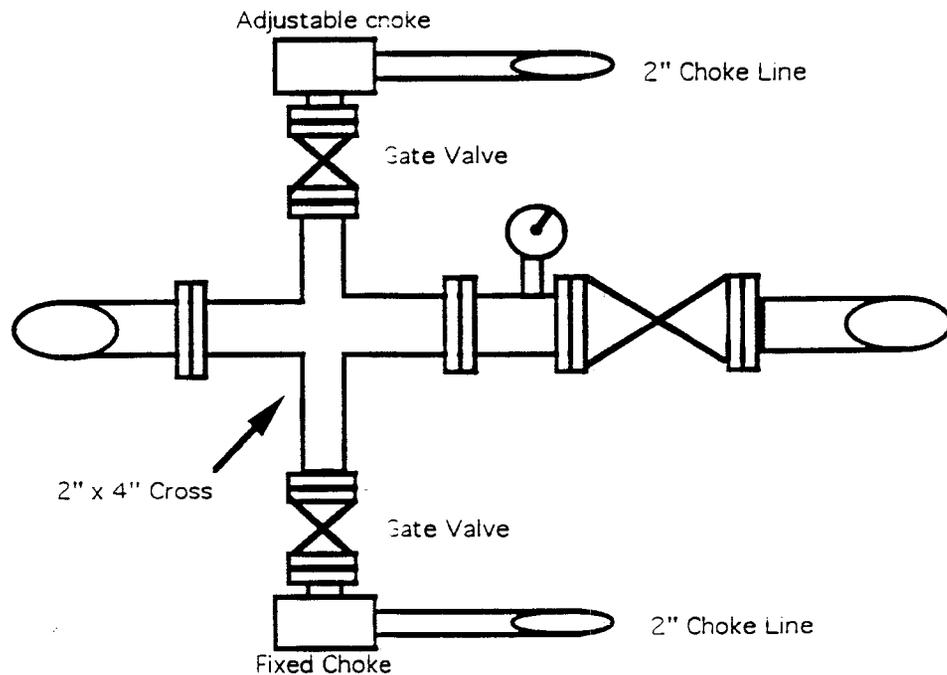
OCT 12 1993

Bop Equipment
11" x 3000 psi Working Pressure

DIVISION OF
OIL, GAS & MINING



Choke Manifold
3000 psi



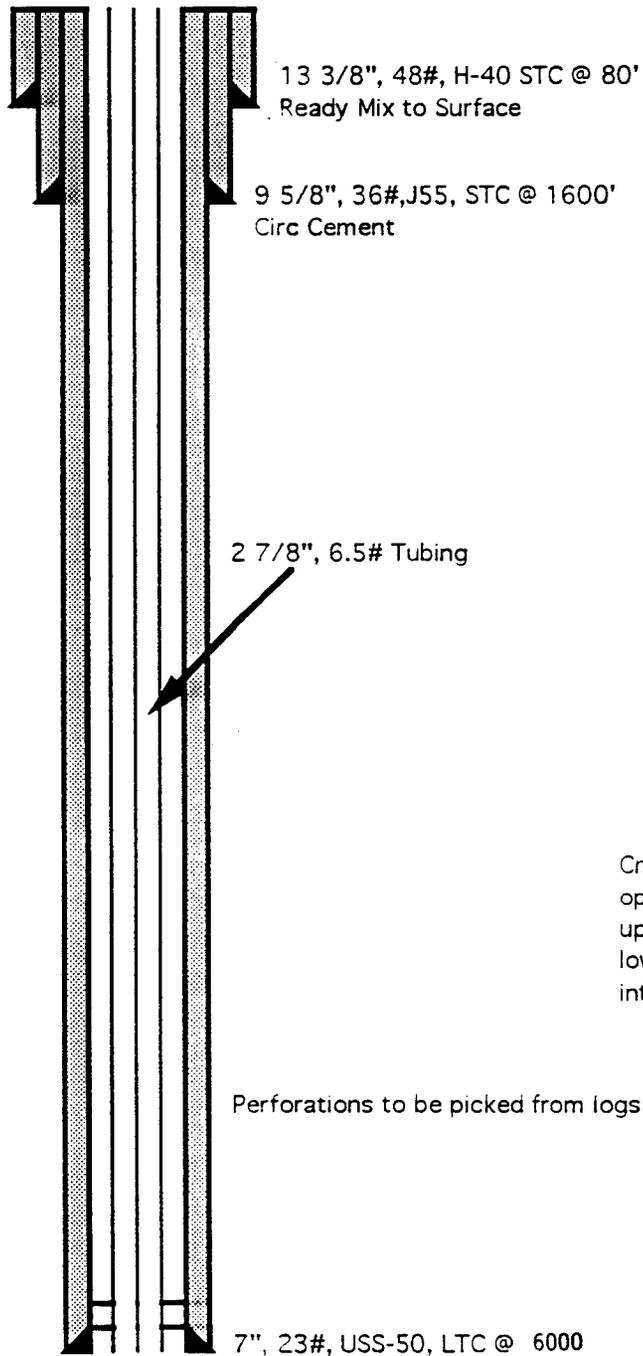
Mobil Oil Corporation
 Ratherford Unit #14-31
 Sec 14, T-41-S, R-23-E
 1604' FEL and 754' FNL
 San Juan Co., Utah

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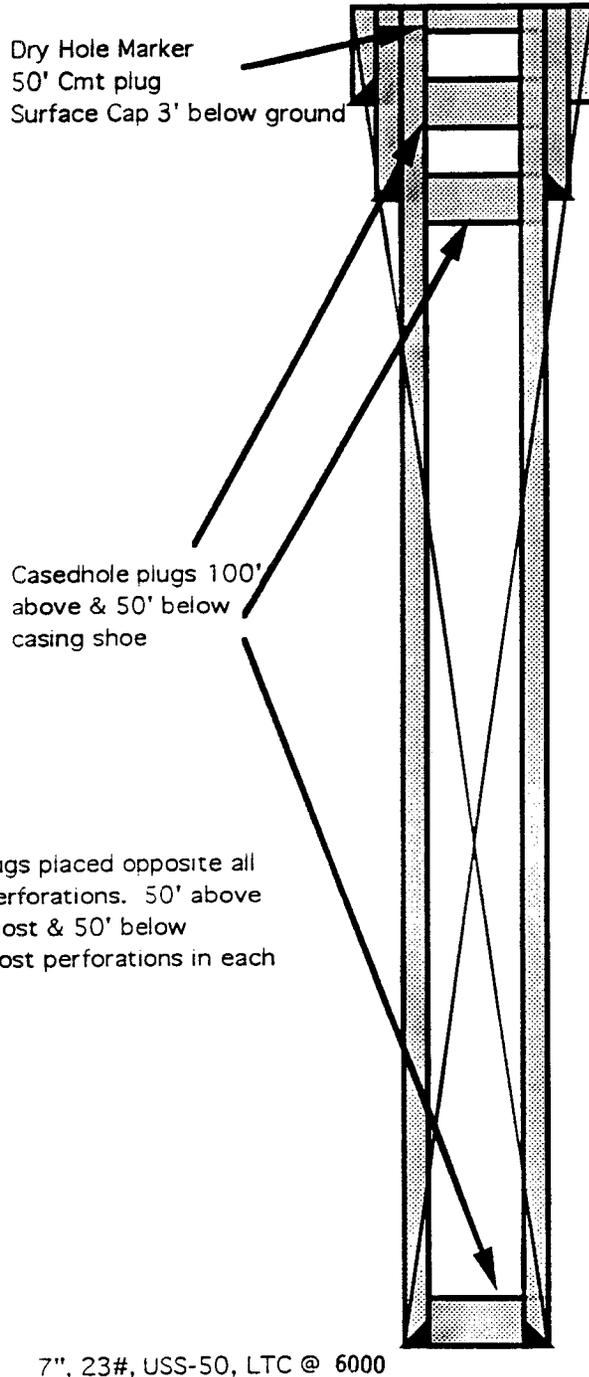
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 OIL, GAS & MINING

Proposed Completion



Proposed P&A



Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

1. DIRECTIONS & EXISTING ROADS

From the Montezuma Creek Post Office, go S 3.6 mi. on BIA Road N-5064. Then turn right and go SW 0.2 mi. on a field road. Then turn right and go NW 0.6 mi. on a field road to the 14-42 well. Cross to the NW side of the pad and follow a flagged line NW \approx 1350' 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

The final \approx 1350' of road will be built and rocked with a \approx 16' wide travel surface within a maximum 50' wide (25' for road + 25' for pipeline) disturbed corridor. No cattleguards or culverts are needed. Maximum cut or fill will be 3'. Maximum grade will be 4%.

3. EXISTING WELLS

There are eleven oil, twelve injection, and one P&A wells within a mile radius. All are shown on an attached map. There are no water or gas wells. All of the wells are within the Ratherford Unit.

4. PROPOSED PRODUCTION FACILITIES

Production will be piped via a \approx 5100' long surface (buried at road crossings) flowline northeast to Satellite 12. No new tanks are needed. If the well is converted to an injector, then a \approx 1350' long buried

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

injection line will be laid southeast along the access road to the 14-42 injection well. Surface disturbance will be limited to that necessary for pipeline construction. All fill material will be removed from all drainages and the drainages returned to their natural form.

The 3.5" OD coiled steel tubing flowline will operate at ≈ 200 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, and will be laid on the surface except at road crossings. The ≤ 6 " OD welded steel or coiled steel tubing injection line will operate at ≈ 1500 to ≈ 3500 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, will be internally coated or lined, and will be buried at least 30" deep.

An above ground 3 phase 25kv $\approx 600'$ long raptor proof powerline will also be built along the new road. The proposed powerline will tie into an existing powerline midway along the new road.

Above ground structures and equipment (only a pump jack 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 a BLM (San Juan RA of the Moab District) artesian well in NENW 27-40s-23e. Mobil has permission from the Monticello BLM office.

6. CONSTRUCTION MATERIALS & METHODS

The top 10" of soil and brush will be stripped and stored east of the pad and south of the pit. A 24" high berm will be built along the fill (north

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
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San Juan County, Utah

and west) sides of the pad. A minimum 12 mil plastic liner will be installed in the reserve pit. Due to its location in a sand dune, the wellpad surface will be rocked. Rock surfacing material will be bought from a private source. No material will be taken from public land.

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 is 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.

Mobil Exploration & Producing U.S. Inc.
 Ratherford Unit 14-31
 754' FNL & 1604' FEL
 Sec. 14, T. 41 S., R. 23 E.
 San Juan County, Utah

10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate. Rock surfacing material will be removed before starting reclamation. All disturbed areas will be recontoured to a natural shape to blend with the surrounding topography. 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 and 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 reserve pit and any other areas not needed for workovers will be reclaimed in the same manner.

<i>SPECIES FOR ROAD & WELLPAD</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 new road 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

The injection pipeline will be seeded (below) with a slightly different

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

seed mix, but otherwise reclaimed in the same manner as the wellpad and road. Berms will be built at the top of all slopes and road or trail crossings.

<i>SPECIES FOR PIPELINE</i>	<i>lbs/acre PLS</i>
Indian ricegrass	3
Giant dropseed	1
Sand dropseed	1
Mammoth wild rye	3
Four wing saltbush	3

11. SURFACE OWNER

The well, new 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 Branch of Natural Resources, P.O. Box 966, Shiprock, NM 87420. Call Randy Cornett at (505) 368-4427.

12. OTHER INFORMATION

The nearest hospital is a ≈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 medically equipped helicopter is in Farmington NM. Farmington hospital phone number is (505) 325-5011.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

13. REPRESENTATION

Anyone having questions concerning the APD should contact:

Shirley Todd, 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) 984-8120

The field representative will be:

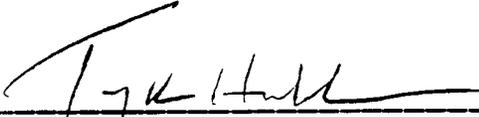
Ed Barber, Production Foreman
Mobil Exploration & Producing U. S. Inc.
P.O. Drawer G
Cortez, Co. 81321
(303) 565-9049

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.

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

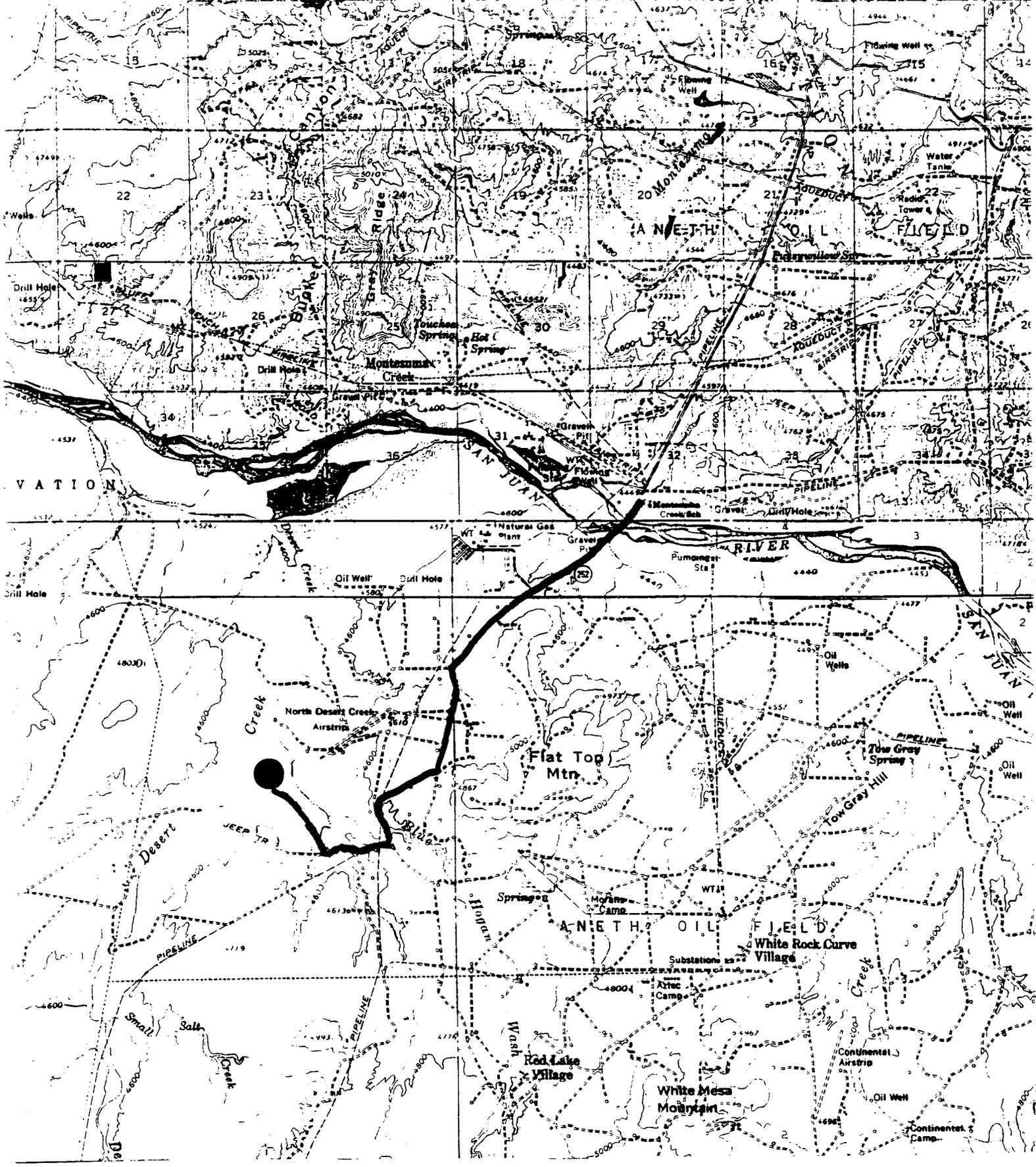
Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

provisions of 18 U.S.C. 1001 for the filing of a false statement.



for Diane Klancher
Environmental Regulatory/LP Supervisor
Environmental & Regulatory Dept.
Mobil Exploration & Producing U. S. Inc.

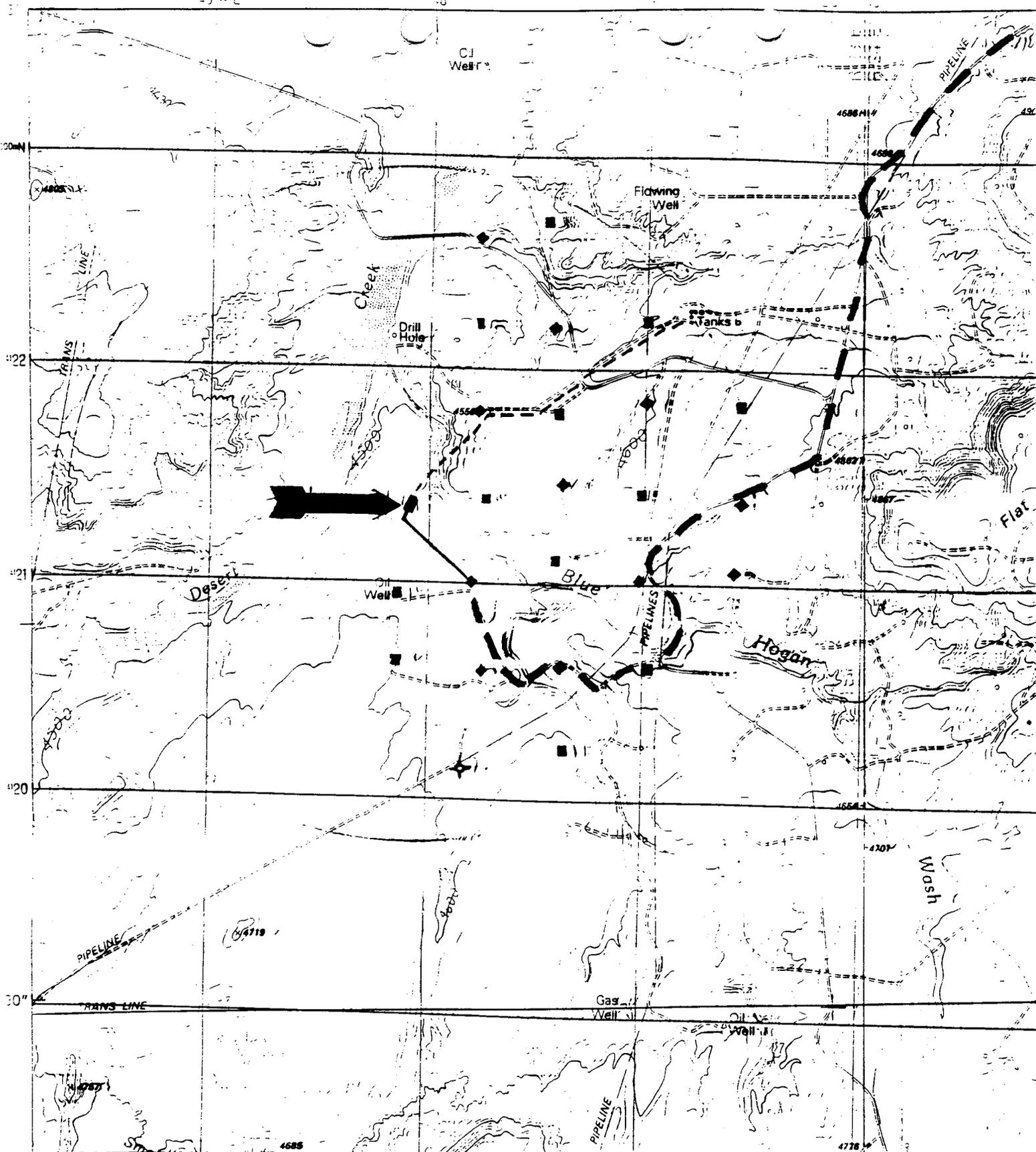
9-14-93
Date

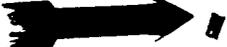


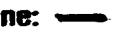
Proposed Well: ●

Access Road: ~

Water Source: ■



Proposed 14-31 Well: 

New Road, Powerline, & Buried Pipeline: 

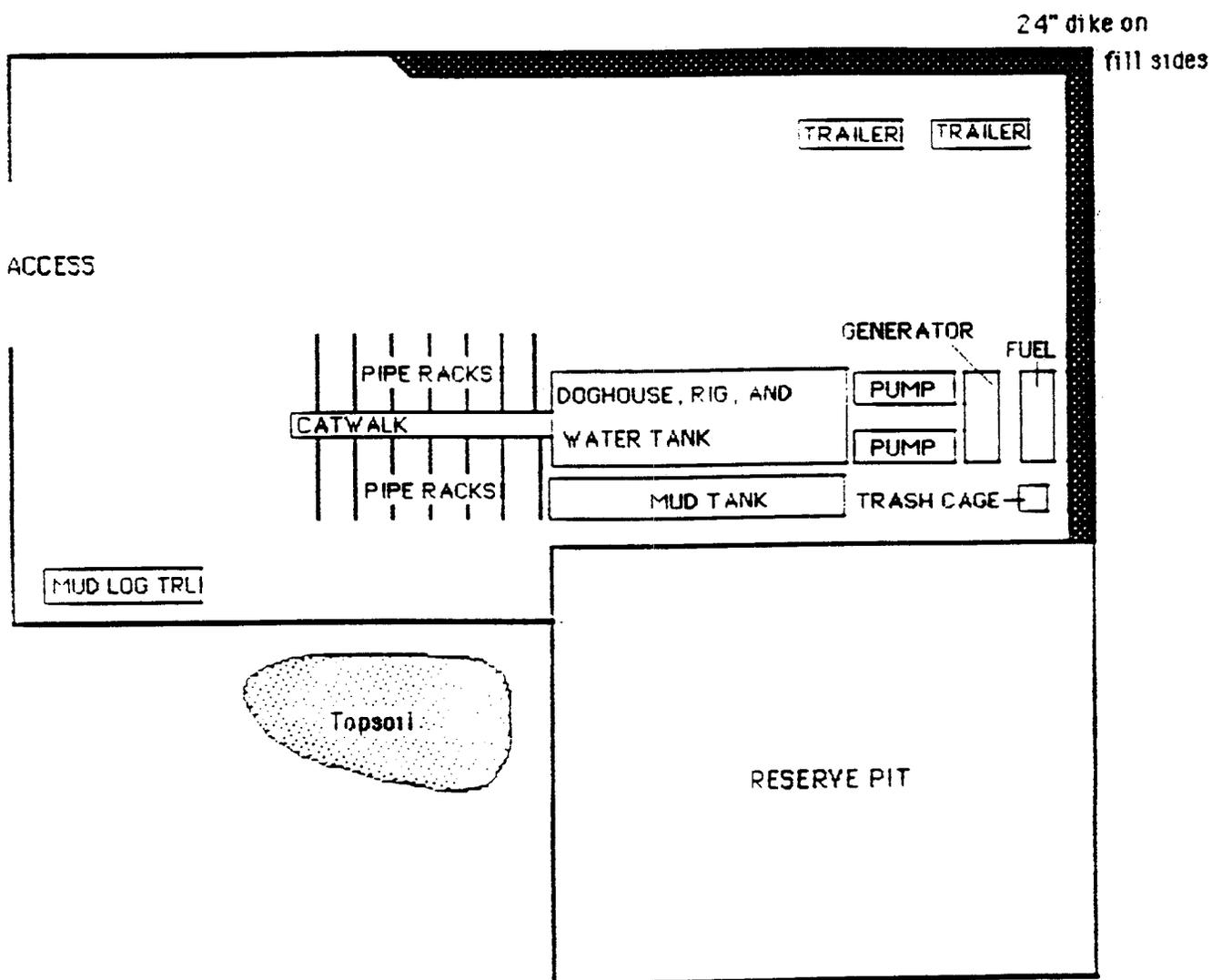
Injection Well: 

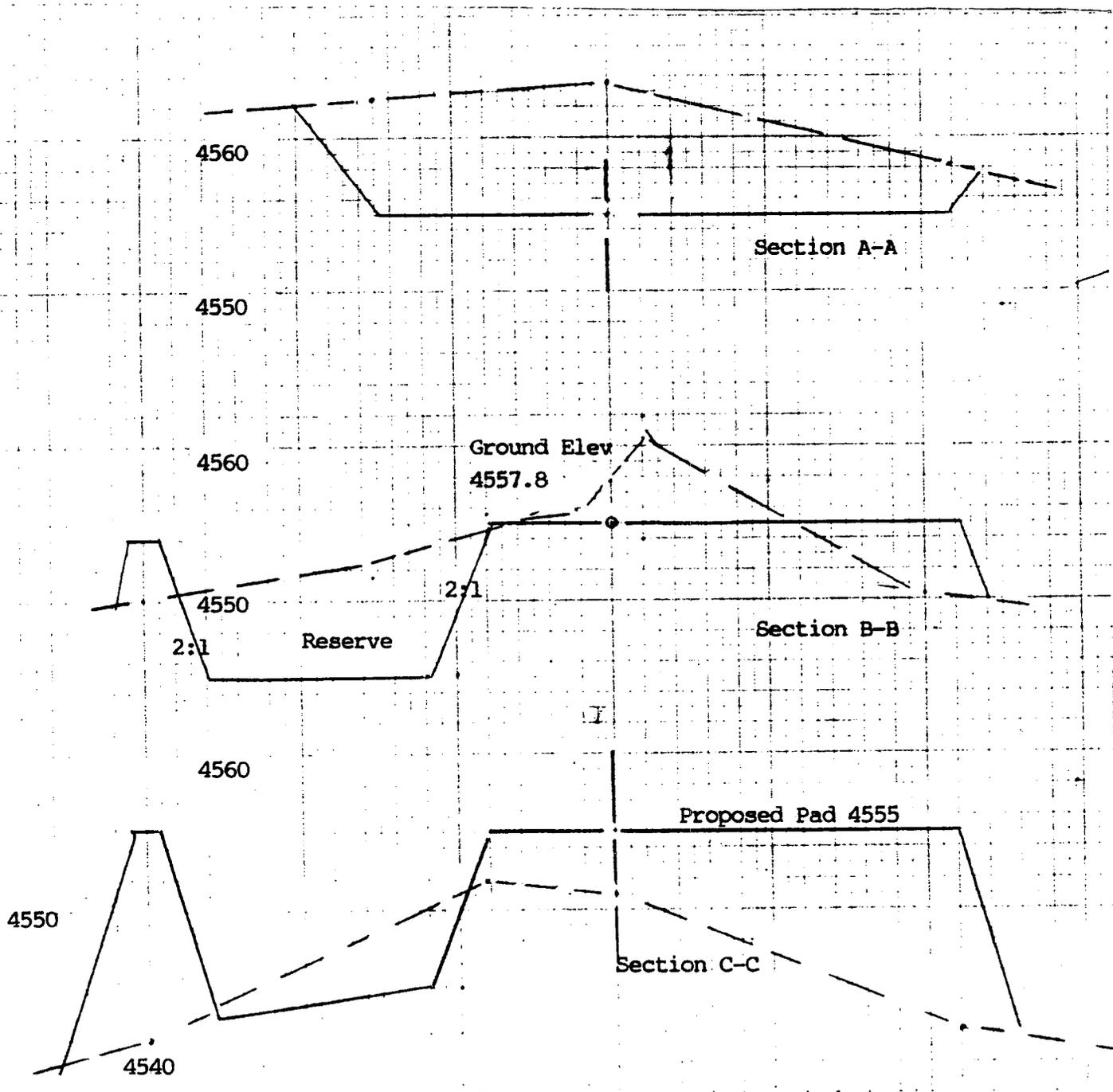
New Surface Flowline: 

Oil Well: 

Existing Road: 

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah





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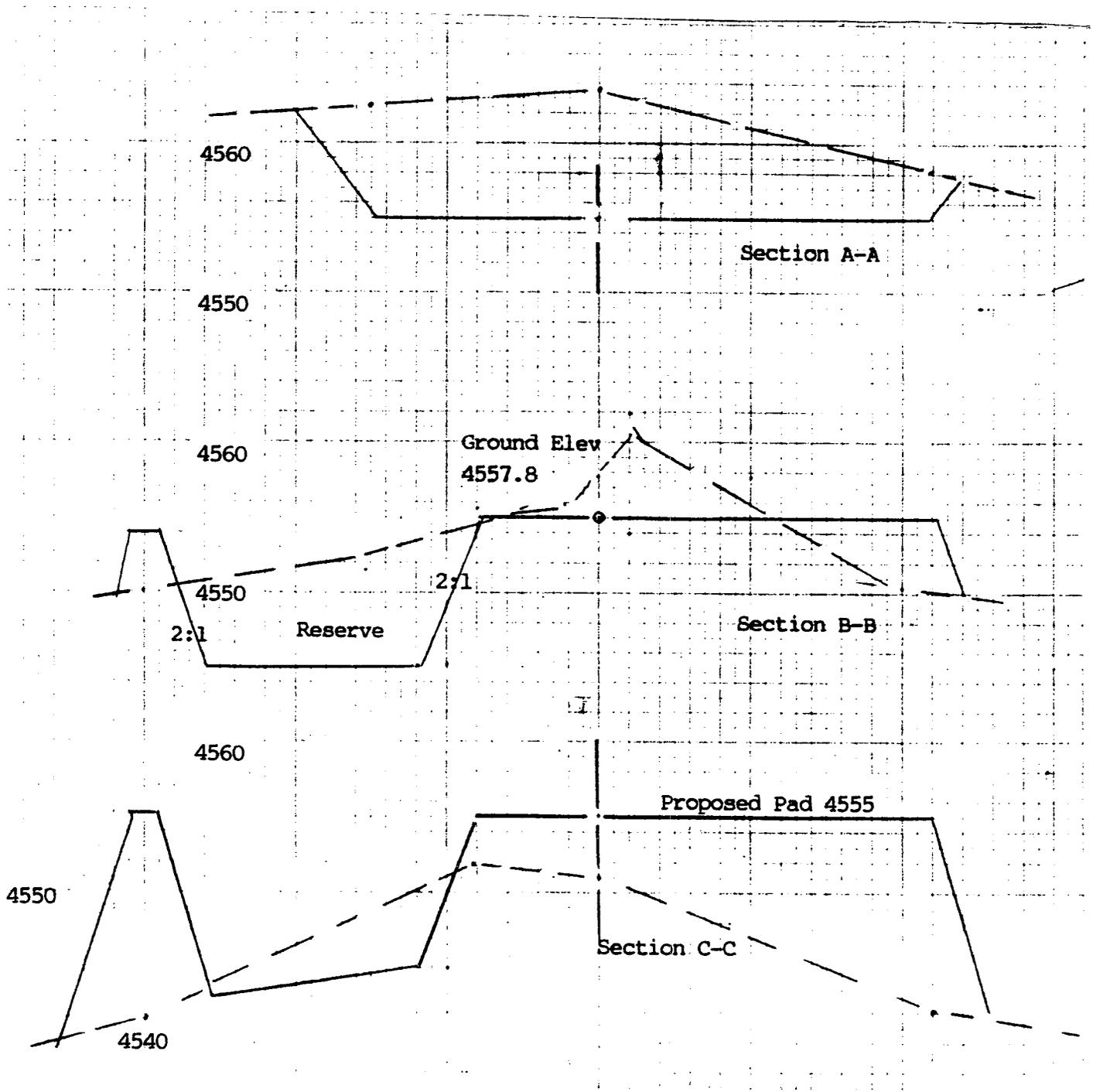
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Cortez, Colorado
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Cortez, Colorado
565-8845

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

5. Lease Designation and Serial No.
14-20-603-247A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
14-31

9. API Well No.
NA

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 OIL CORPORATION

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)
754' FNL, 1604' FEL SEC.14, T41S, R23E

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

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

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

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

AMEND SURFACE USAGE PLAN FOR APD.

5. WATER SUPPLY - WATER WILL BE TRUCKED FROM PRIVATE LAND.

RECEIVED

OCT 18 1993

DIVISION OF
OIL, GAS & MINING

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10-19-93
BY: *JAN Matthews*

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

Signed Shirley Todd SHIRLEY TODD Title ENV. & REG. TECHNICIAN Date 10-12-93

(This space for Federal or State office use)

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

RADIUS OF EXPOSURE

10ppm Radius of Exposure calculated at 83'.

Maximum releasable H₂S calculated at 0.9 lbs/day, based on maximum measured H₂S concentration in a producing well gas stream (100ppm), and 100 MCFD maximum theoretical gas release volume. Maximum theoretical daily gas volume based on lease COR of 500, and optimistic well test of 200 BOPD.

Mobil Oil Corporation
 Ratherford Unit #14-31
 754' FNL and 1604' FEL
 Section 14, T-41-S, R-23-E
 San Juan County, Utah

Eight Point Drilling Program

1. ESTIMATED FORMATION TOPS*

Formation	Depth from GL	Drill Depth	Subsea Depth
Chinle	1336.8	1348.8	3260.8
DeChelly SS	2386.8	2398.8	2000.8
Hermosa LS	4686.8	4698.8	95.8
Ismay LS	5211.8	5223.8	-789.2
L. Ismay Ls	5336.8	5348.8	-859.2
Gothic Shale	5356.8	5368.8	-879.2
Desert Creek I	5381.8	5393.8	-899.2
Desert Creek II	5436.8	5448.8	-939.2
Chimney Rock	5551.8	5563.8	-1059.2
TD	6000	6012	-1430.2

* All depths based on ground level of 4521'

2. NOTABLE ZONES

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

Possible Water Zone

Possible Coal Zone

Possible Oil or Gas Zones

DeChelly SS 2350'

Desert Creek I 5345'
 Desert Creek II 5400'

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 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
 Ratherford Unit #14-31
 754'FNL and 1604' FEL
 Section 14, T-41-S, R-23-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'
11"	8-5/8"	24#	USS50	ST&C	New	0000' - 1600'
7-7/8"	5-1/2"	15.5#	USS50	LT&C	New	0000' - 6000'

Surface Casing (0' to 80'): Cement to surface with 111 ft³. Volume calculated with 100% excess. Ready-Mix cement.

Intermediate Casing (0' to 1600'): Cement to surface with 540 ft³. Volume calculated with 30% excess. Lead with slurry of 65:35:6 "B" Poz + 2% CaCl₂. Tail with Class "B" + 2% CaCl₂. Total of 12 centralizers and one stop collar. One on the shoe joint and one every third collar to 200' from surface.

Production Casing (0' to 6000'): Cement to surface with 1403 ft³. Volume calculated with 50% excess. Lead with slurry of 50/50 "G" Poz + 8% Gel + .75% Halad-344. Tail with slurry of Premium Cement + 0.05 gal/sx D-AIR-3 + 2.0 gal/sx Latex 2000 + 0.22 gal/sx 434B + 0.5% CFR-3 (Weight/Yield = 15.6/1.18). Total of 17 centralizers and 3 stop collars. One centralizer on the float shoe then every third 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	8.4 - 8.8	35 - 45	NC
1600' - 5000'	FW/PHPA	9.0 - 11.5	36 - 48	NC
5000' - 6000'	FW/PHPA	10 - 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

The anticipated spud date is November, 1993. It is expected to take +/- 24 days to drill the well and 10 days to complete the well.

RADIUS OF EXPOSURE

10ppm Radius of Exposure calculated at 83'.

Maximum releasable H₂S calculated at 0.9 lbs/day, based on maximum measured H₂S concentration in a producing well gas stream (100ppm), and 100 MCFD maximum theoretical gas release volume. Maximum theoretical daily gas volume based on lease COR of 500, and optimistic well test of 200 BOPD.

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 754' FNL and 1604' FEL
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Eight Point Drilling Program

1. ESTIMATED FORMATION TOPS*

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Hermosa LS	4686.8'	4698.8'	95.8'
Ismay LS	5211.8'	5223.8'	-789.2'
L. Ismay Ls	5336.8'	5348.8'	-859.2'
Gothic Shale	5356.8'	5368.8'	-879.2'
Desert Creek I	5381.8'	5393.8'	-899.2'
Desert Creek II	5436.8'	5448.8'	-939.2'
Chimney Rock	5551.8'	5563.8'	-1059.2'
TD	6000'	6012'	-1430.2'

* All depths based on ground level of: 4557.8

2. NOTABLE ZONES

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

Possible Water Zone

Possible Coal Zone

Possible Oil or Gas Zones

DeChelly SS 2350'

Desert Creek I 5345'
 Desert Creek II 5400'

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 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
 Ratherford Unit #14-31
 754' FNL and 1604' FEL
 Section 14, T-41-S, R-23-E
 San Juan County, Utah

Eight Point Drilling Program

1. **ESTIMATED FORMATION TOPS***

Formation	Depth from GL	Drill Depth	Subsea Depth
Chinle	1336.8	1348.8	3260.8
DeChelly SS	2386.8	2398.8	2000.8
Hermosa LS	4686.8	4698.8	95.8
Ismay LS	5211.8	5223.8	-789.2
L. Ismay Ls	5336.8	5348.8	-859.2
Gothic Shale	5356.8	5368.8	-879.2
Desert Creek I	5381.8	5393.8	-899.2
Desert Creek II	5436.8	5448.8	-939.2
Chimney Rock	5551.8	5563.8	-1059.2
TD	6000	6012	-1430.2

* All depths based on ground level of 4521'

2. **NOTABLE ZONES**

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

Possible Water Zone

Possible Coal Zone

Possible Oil or Gas Zones

DeChelly SS 2350'

Desert Creek I 5345'
 Desert Creek II 5400'

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 Ratherford Unit #14-31
 754'FNL and 1604' FEL
 Section 14, T-41-S. R-23-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'
11"	8-5/8"	24#	USS50	ST&C	New	0000' - 1600'
7-7/8"	5-1/2"	15.5#	USS50	LT&C	New	0000' - 6000'

Surface Casing (0' to 80'): Cement to surface with 111 ft³. Volume calculated with 100% excess. Ready-Mix cement.

Intermediate Casing (0' to 1600'): Cement to surface with 540 ft³. Volume calculated with 30% excess. Lead with slurry of 65:35:6 "B" Poz + 2% CaCl₂. Tail with Class "B" + 2% CaCl₂. Total of 12 centralizers and one stop collar. One on the shoe joint and one every third collar to 200' from surface.

Production Casing (0' to 6000'): Cement to surface with 1403 ft³. Volume calculated with 50% excess. Lead with slurry of 50/50 "G" Poz + 8% Gel + .75% Halad-344. Tail with slurry of Premium Cement + 0.05 gal/sx D-AIR-3 + 2.0 gal/sx Latex 2000 + 0.22 gal/sx 434B + 0.5% CFR-3 (Weight/Yield = 15.6/1.18). Total of 17 centralizers and 3 stop collars. One centralizer on the float shoe then every third 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	8.4 - 8.8	35 - 45	NC
1600' - 5000'	FW/PHPA	9.0 - 11.5	36 - 48	NC
5000' - 6000'	FW/PHPA	10 - 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

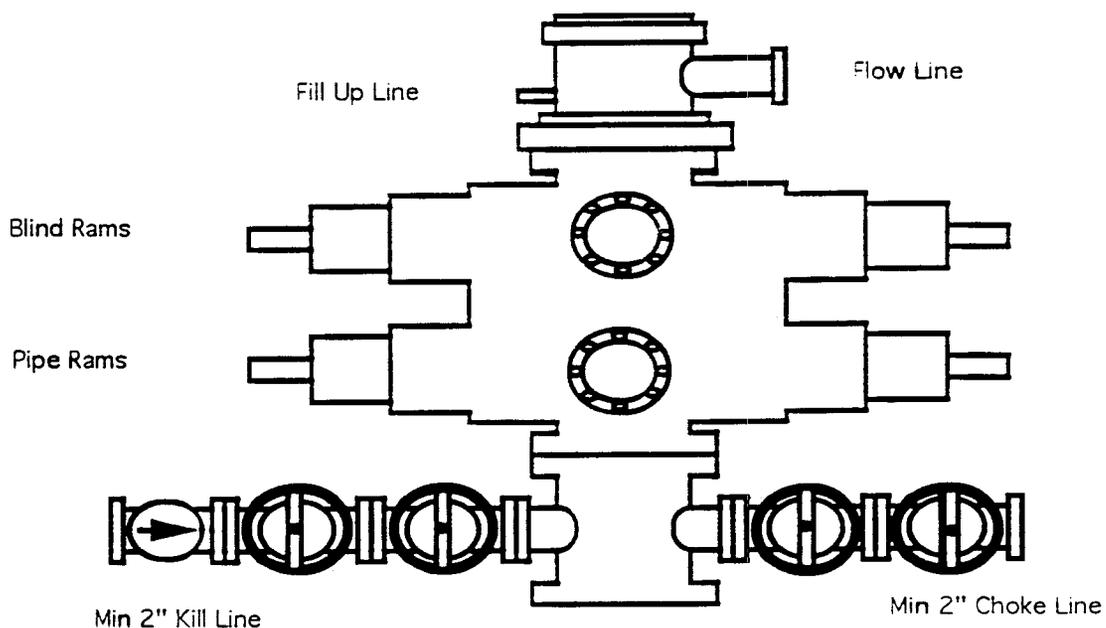
Possible water flows in the DeChelly formation may be encountered.

8. MISCELLANEOUS

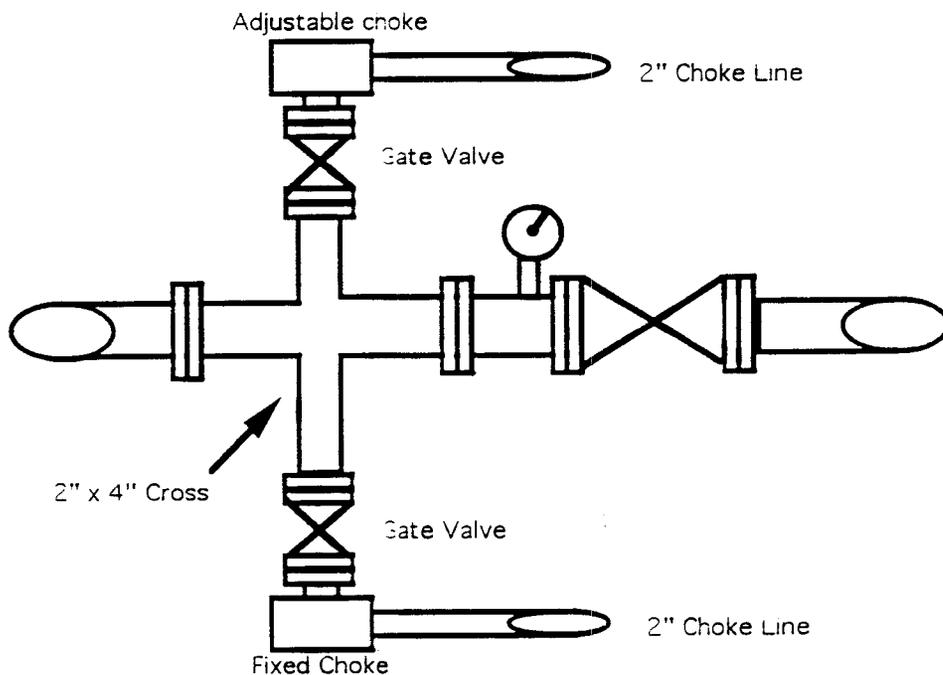
The anticipated spud date is November, 1993. It is expected to take +/- 24 days to drill the well and 10 days to complete the well.

Mobil Oil Corporation
Ratherford Unit #14-31
Sec 14, T-41-S, R-23-E
1604' FEL and 1754' FNL
San Juan Co., Utah

Bop Equipment
11" x 3000 psi Working Pressure

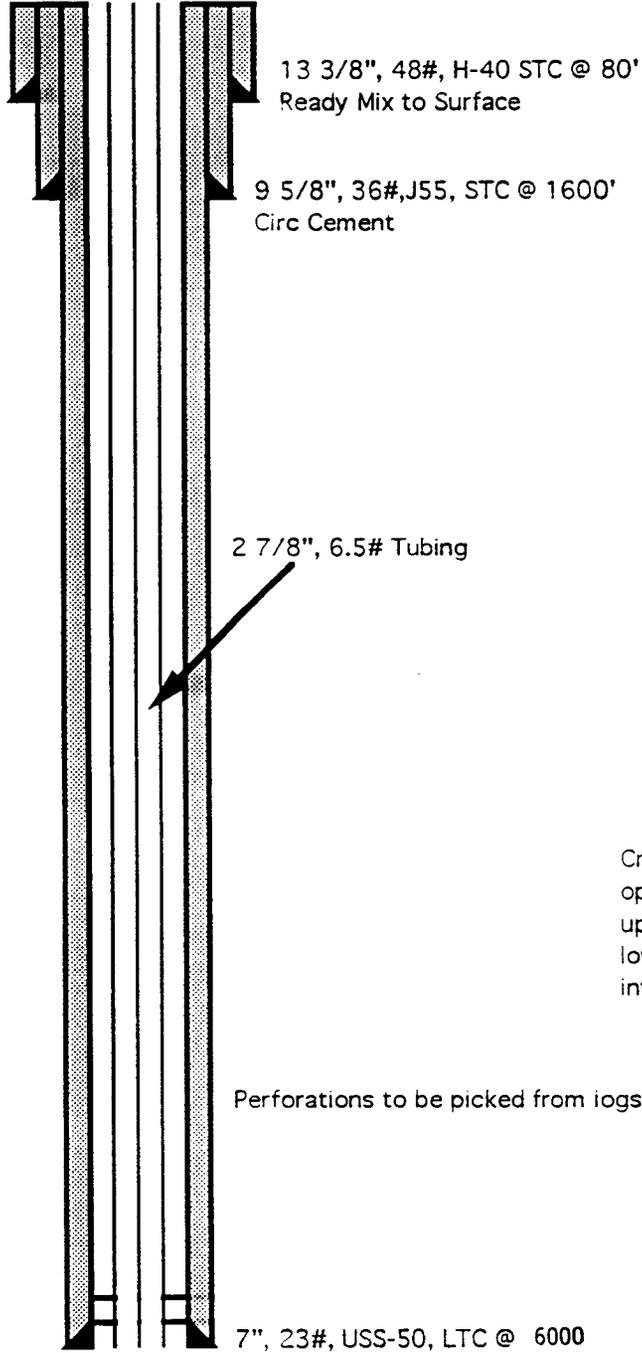


Choke Manifold
3000 psi

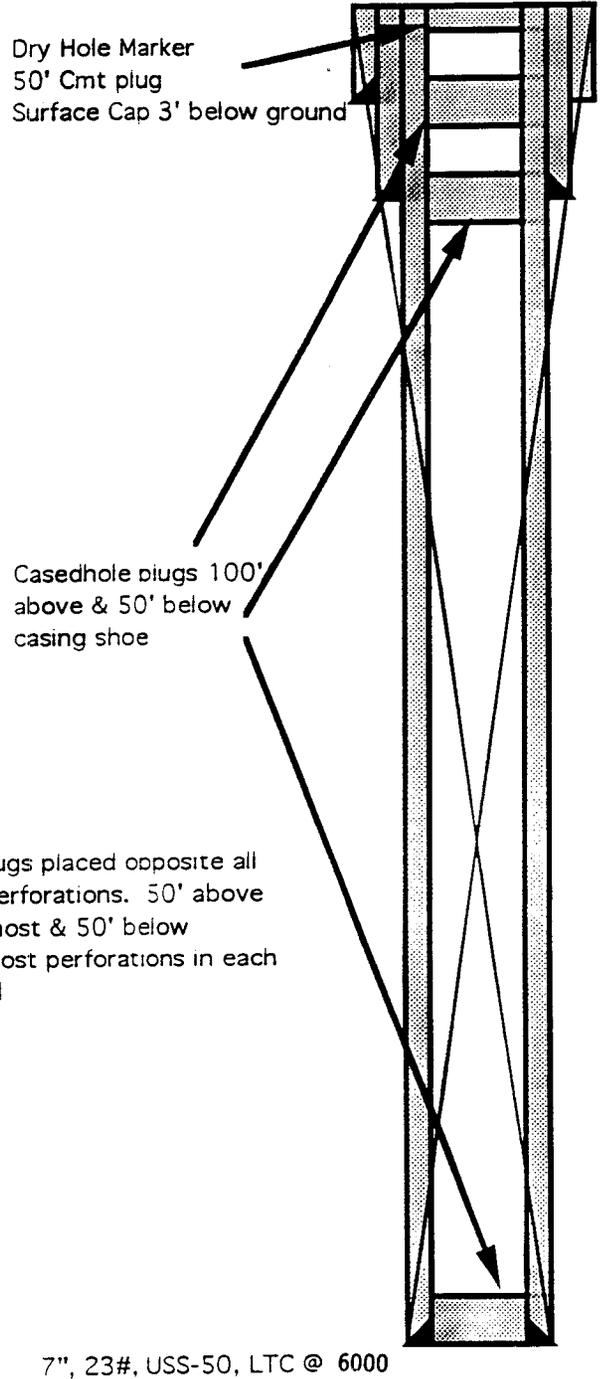


Mobil Oil Corporation
 Ratherford Unit #14-31
 Sec 14, T-41-S, R-23-E
 1604' FEL and 754' FNL
 San Juan Co., Utah

Proposed Completion



Proposed P&A



Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

1. DIRECTIONS & EXISTING ROADS

From the Montezuma Creek Post Office, go S 3.6 mi. on BIA Road N-5064. Then turn right and go SW 0.2 mi. on a field road. Then turn right and go NW 0.6 mi. on a field road to the 14-42 well. Cross to the NW side of the pad and follow a flagged line NW \approx 1350' 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

The final \approx 1350' of road will be built and rocked with a \approx 16' wide travel surface within a maximum 50' wide (25' for road + 25' for pipeline) disturbed corridor. No cattleguards or culverts are needed. Maximum cut or fill will be 3'. Maximum grade will be 4%.

3. EXISTING WELLS

There are eleven oil, twelve injection, and one P&A wells within a mile radius. All are shown on an attached map. There are no water or gas wells. All of the wells are within the Ratherford Unit.

4. PROPOSED PRODUCTION FACILITIES

Production will be piped via a \approx 5100' long surface (buried at road crossings) flowline northeast to Satellite 12. No new tanks are needed. If the well is converted to an injector, then a \approx 1350' long buried

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

injection line will be laid southeast along the access road to the 14-42 injection well. Surface disturbance will be limited to that necessary for pipeline construction. All fill material will be removed from all drainages and the drainages returned to their natural form.

The 3.5" OD coiled steel tubing flowline will operate at ≈ 200 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, and will be laid on the surface except at road crossings. The ≤ 6 " OD welded steel or coiled steel tubing injection line will operate at ≈ 1500 to ≈ 3500 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, will be internally coated or lined, and will be buried at least 30" deep.

An above ground 3 phase 25kv $\approx 600'$ long raptor proof powerline will also be built along the new road. The proposed powerline will tie into an existing powerline midway along the new road.

Above ground structures and equipment (only a pump jack 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 a BLM (San Juan RA of the Moab District) artesian well in NENW 27-40s-23e. Mobil has permission from the Monticello BLM office.

6. CONSTRUCTION MATERIALS & METHODS

The top 10" of soil and brush will be stripped and stored east of the pad and south of the pit. A 24" high berm will be built along the fill (north

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
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and west) sides of the pad. A minimum 12 mil plastic liner will be installed in the reserve pit. Due to its location in a sand dune, the wellpad surface will be rocked. Rock surfacing material will be bought from a private source. No material will be taken from public land.

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 is 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.

Mobil Exploration & Producing U.S. Inc.
 Ratherford Unit 14-31
 754' FNL & 1604' FEL
 Sec. 14, T. 41 S., R. 23 E.
 San Juan County, Utah

10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate. Rock surfacing material will be removed before starting reclamation. All disturbed areas will be recontoured to a natural shape to blend with the surrounding topography. 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 and 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 reserve pit and any other areas not needed for workovers will be reclaimed in the same manner.

<i>SPECIES FOR ROAD & WELLPAD</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 new road 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

The injection pipeline will be seeded (below) with a slightly different

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
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San Juan County, Utah

seed mix, but otherwise reclaimed in the same manner as the wellpad and road. Berms will be built at the top of all slopes and road or trail crossings.

<i>SPECIES FOR PIPELINE</i>	<i>lbs/acre PLS</i>
Indian ricegrass	3
Giant dropseed	1
Sand dropseed	1
Mammoth wild rye	3
Four wing saltbush	3

11. SURFACE OWNER

The well, new 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 Branch of Natural Resources, P.O. Box 966, Shiprock, NM 87420. Call Randy Cornett at (505) 368-4427.

12. OTHER INFORMATION

The nearest hospital is a ≈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 medically equipped helicopter is in Farmington NM. Farmington hospital phone number is (505) 325-5011.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

13. REPRESENTATION

Anyone having questions concerning the APD should contact:

Shirley Todd, 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) 984-8120

The field representative will be:

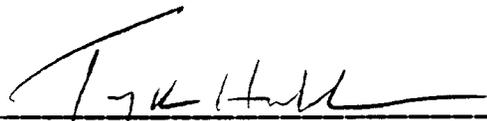
Ed Barber, Production Foreman
Mobil Exploration & Producing U. S. Inc.
P.O. Drawer G
Cortez, Co. 81321
(303) 565-9049

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.

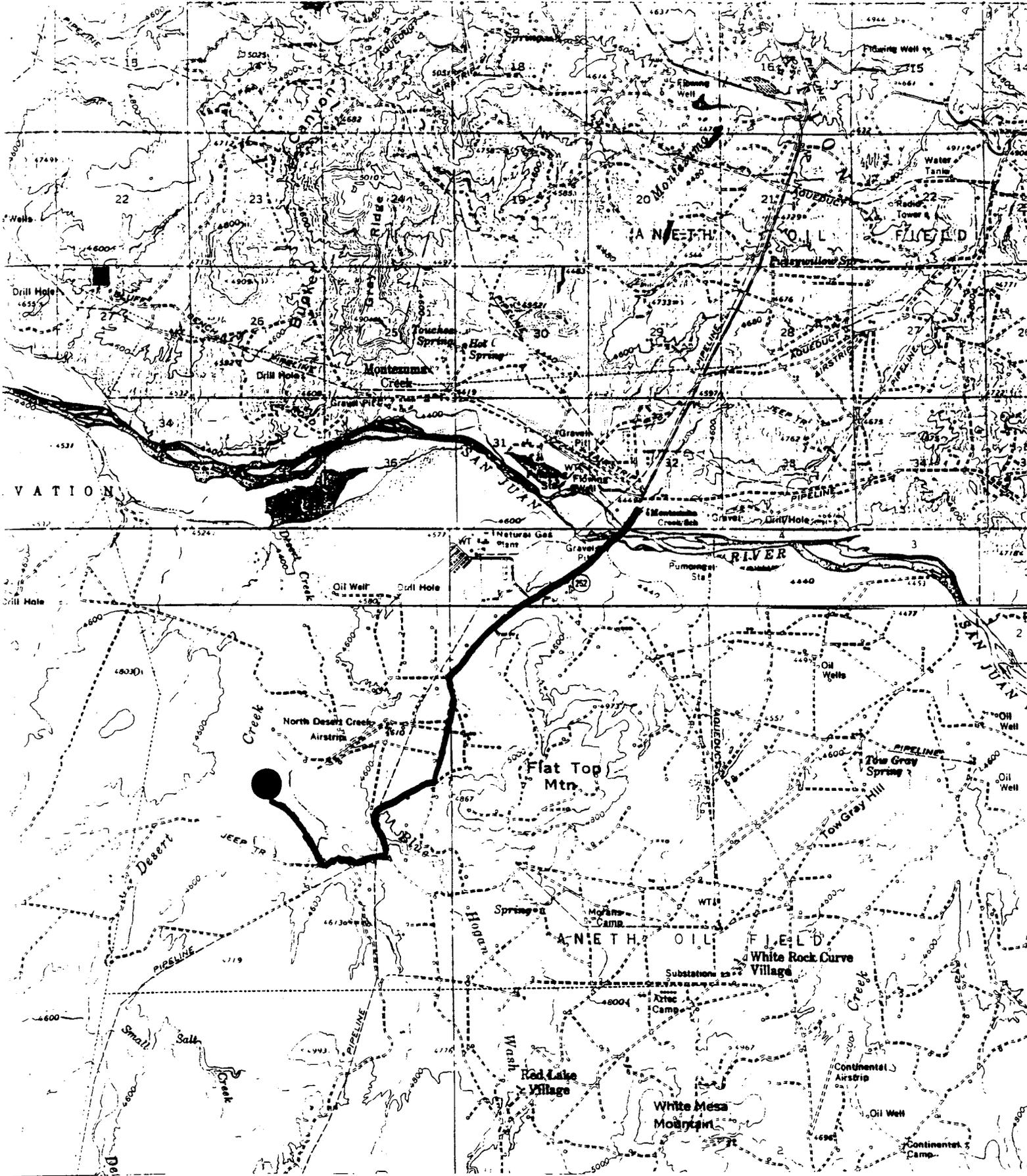
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated 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

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

provisions of 18 U.S.C. 1001 for the filing of a false statement.


for Diane Klancher
Environmental Regulatory/LP Supervisor
Environmental & Regulatory Dept.
Mobil Exploration & Producing U. S. Inc.

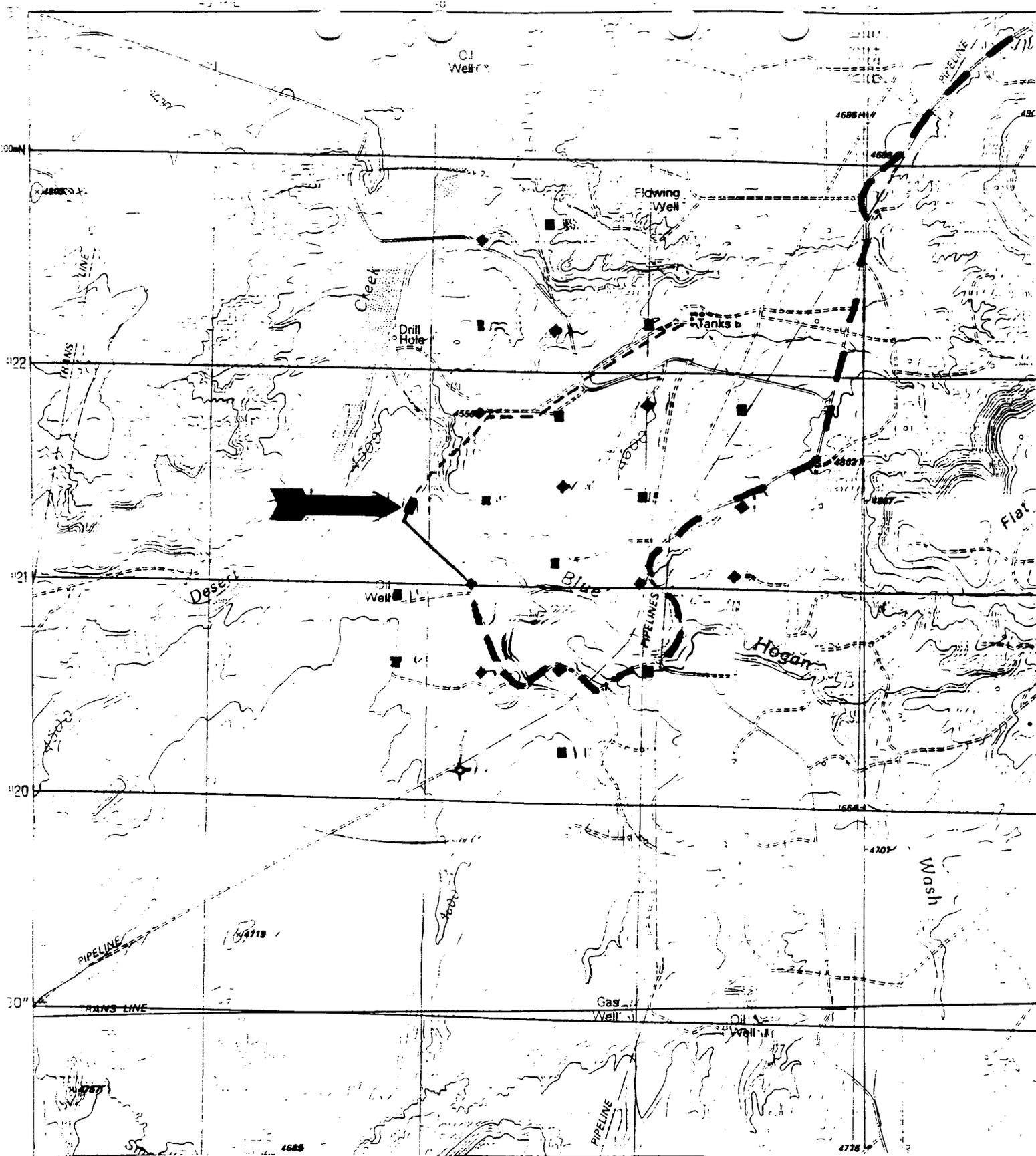
9-14-93
Date

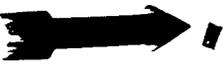


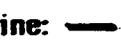
Proposed Well: ●

Access Road: ~

Water Source: ■



Proposed 14-31 Well: 

New Road, Powerline, & Buried Pipeline: 

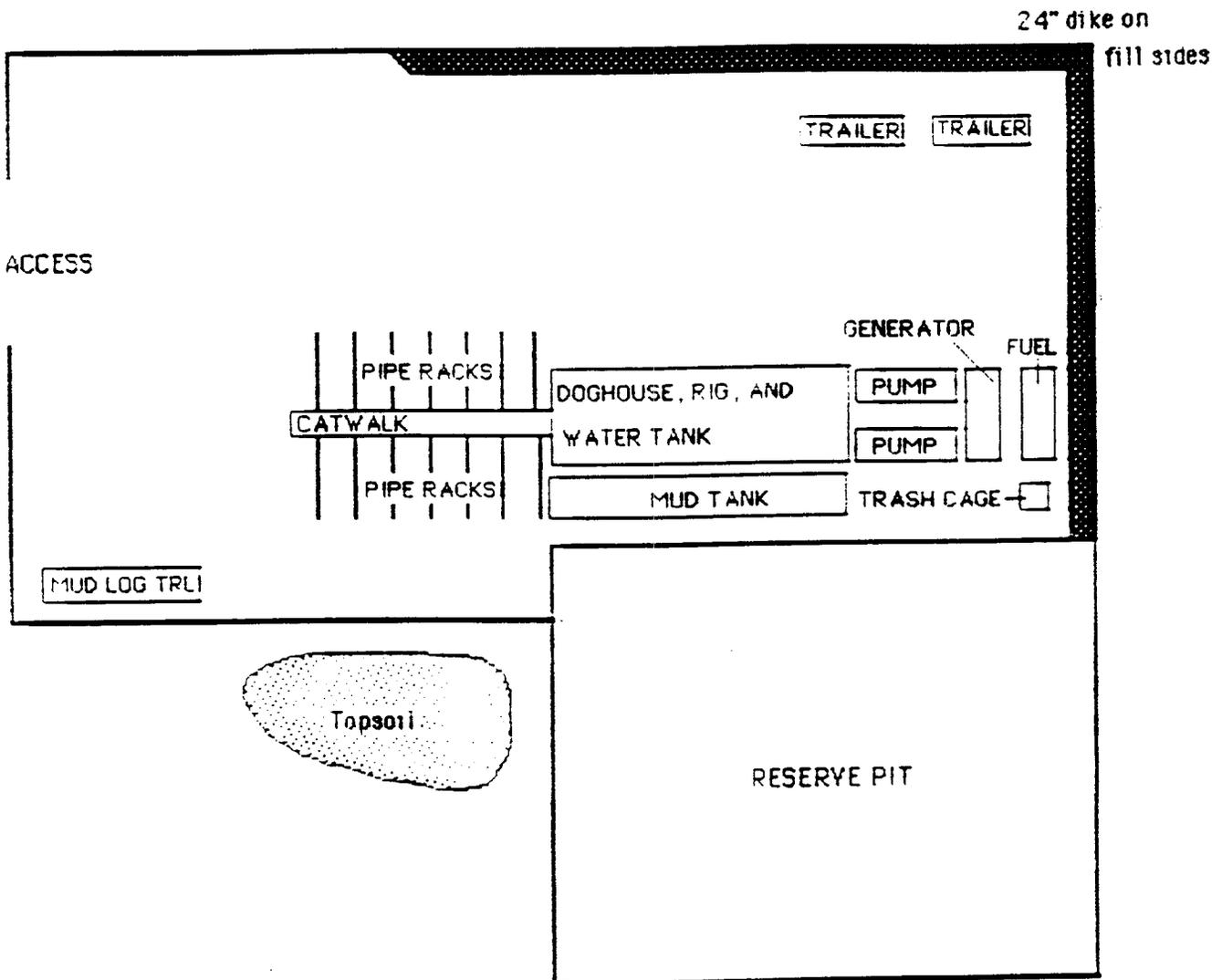
Injection Well: 

New Surface Flowline: 

Oil Well: 

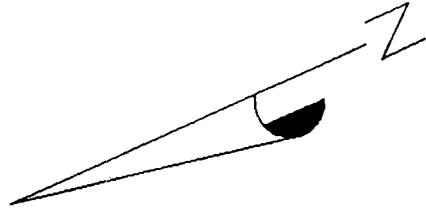
Existing Road: 

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 14-31
754' FNL & 1604' FEL
Sec. 14, T. 41 S., R. 23 E.
San Juan County, Utah

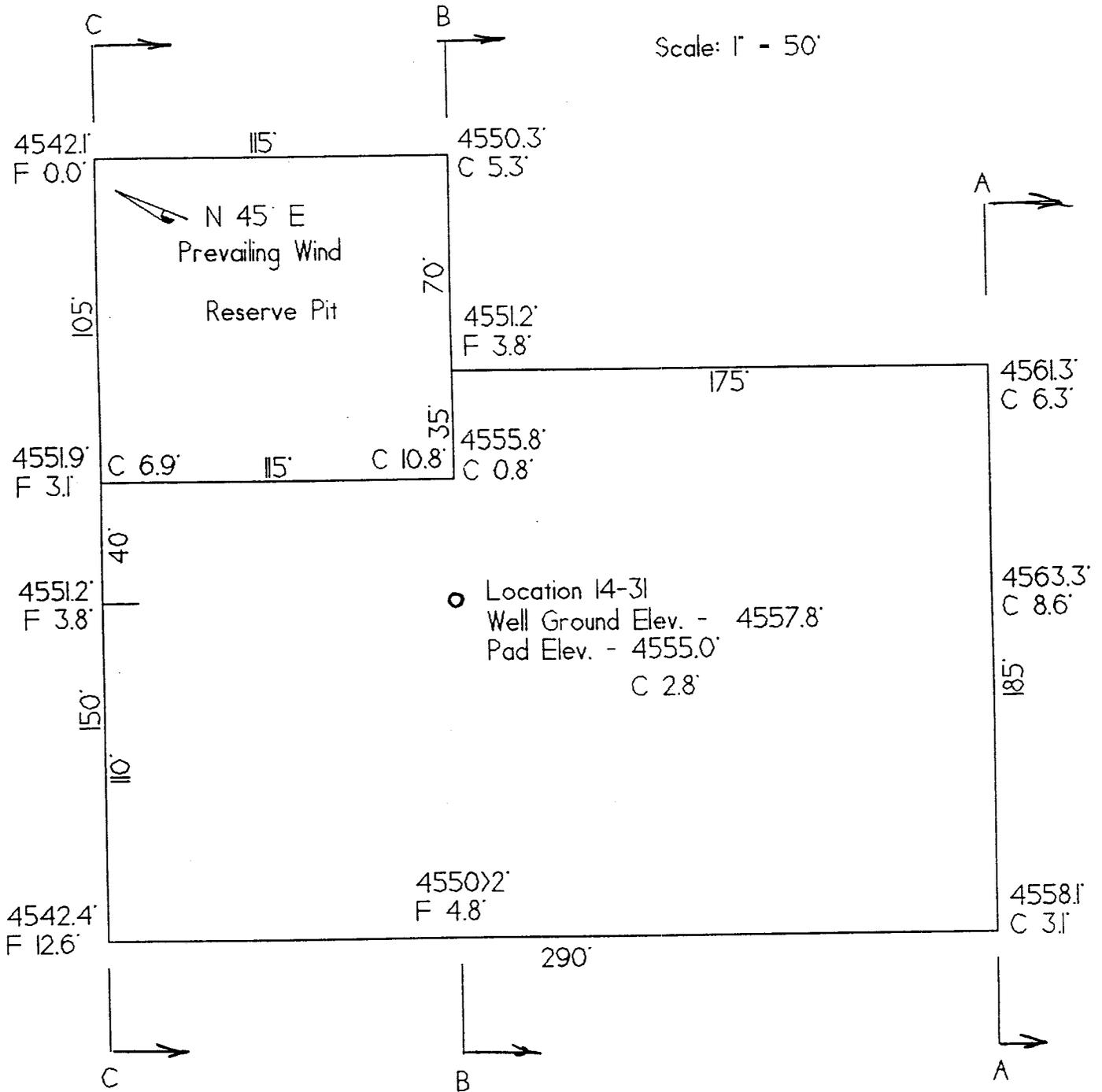


Mobil Oil Co - Well 14-31 Ratherford Unit
 NE $\frac{1}{4}$ Section 14, T41S, R23E, SLM, San Juan county, Utah

August 18, 1993
 Page 2 of 3



Scale: 1" = 50'



See page 3 for cross sections

MANESS AND ASSOCIATES, INC.
 SURVEYING

PO BOX 1163
 215 N. Linden
 Cortez, Colorado
 81302-8845

AMENDED

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

SUBMIT IN TRIPPLICATE*
Other instructions on
reverse side)

Form Approved
Budget Bureau No. 1004-01
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK
b. TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
MOBIL EXPLORATION & PRODUCING U.S. AS AGENT FOR MPTM/MEPNA

3. ADDRESS OF OPERATOR
P O BOX 633 MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
754' FNL, 1604' FEL
At proposed prod. zone
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
3 MILES SOUTH FROM MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. ALSO TO NEAREST DRIG. UNIT LINE, IF ANY)
1604' FROM RATHERFORD UNIT LEASE LINE

17. NO. OF ACRES IN LEASE
2161
18. NO. OF ACRES ASSIGNED TO THIS WELL
30 ACRES

19. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
5000

20. PROPOSED DEPTH
6000
21. ROTARY OR CABLE TOOLS
ROTARY

22. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL - 4557.8

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-247A
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.
14-31
10. FIELD AND POOL OR WILDCAT
GREATER ANETH
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 14, T41S, R23E
12. COUNTY OR PARISH
SAN JUAN
13. STATE
UTAH
22. APPROX. DATE WORK WILL START
Nov. 15, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2 "	13 3/8"	48#	80'	111 ft ³ (Circ. to Surf)
11"	8 5/8"	24#	1600'	540 ft ³ (Circ. to Surf)
7 - 7/8"	5 1/2"	15.5#	6000	1403 ft ³ (Circ. to Surf)

SEE ATTACHED 8 POINT WELL CONTROL PLAN FOR ADDITIONAL DRILLING 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 flag(s)
- 8) Mud-gas separator
- 9) Communication from wellsite

NOV 29 1993
DIVISION OF OIL, GAS & MINING

24. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new product 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 Shelley J. Jodan TITLE Env. & Reg. Technician DATE 10-25-93

This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 11/8/93

APPROVED BY [Signature] TITLE Matthew
CONDITIONS OF APPROVAL, IF ANY: 649-2-3

*See instructions On Reverse Side

AMENDED

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

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-01.
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK
b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
MOBIL EXPLORATION & PRODUCING U.S. AS AGENT FOR MPTM/MEPNA

3. ADDRESS OF OPERATOR
P O BOX 633 MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
754' FNL, 1604' FEL
At proposed prod. zone
SAME
NW 1/4 NE 1/4

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
3 MILES SOUTH FROM MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. ALSO TO NEAREST DRIG. UNIT LINE, IF ANY.
1604' FROM RATHERFORD UNIT LEASE LINE
2161

16. NO. OF ACRES IN LEASE
2161
17. NO. OF ACRES ASSIGNED TO THIS WELL
30 ACRES
18. PROPOSED DEPTH
5000
19. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL - 4557.8

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-247A
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.
14-31
10. FIELD AND POOL, OR WILDCAT
GREATER ANETH
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 14, T41S, R23E
12. COUNTY OR PARISH
SAN JUAN
13. STATE
UTAH
22. APPROX. DATE WORK WILL START
Nov. 15, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2 "	13 3/8"	48#	80'	111 ft ³ (Circ. to Surf)
11"	8 5/8"	24#	1600'	540 ft ³ (Circ. to Surf)
7 - 7/8"	5 1/2"	15.5#	6000	1403 ft ³ (Circ. to Surf)

SEE ATTACHED 8 POINT WELL CONTROL PLAN FOR ADDITIONAL DRILLING 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 alarms
- 5) At least one (1) portable H₂S monitor
- 6) Wind direction indicators
- 7) Caution/danger sign(s) and flag(s)
- 8) Mud-gas separator
- 9) Communication from wellsite

RECEIVED
OCT 29 1993
DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new product 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 Shelby Jordan TITLE Env. & Reg. Technician DATE 10-25-93

This space for Federal or State office use:

PERMIT NO. 43-037-31717 APPROVAL DATE 11/8/93

APPROVED BY [Signature] TITLE [Signature] DATE 649-2-3

*See Instructions On Reverse Side



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)

November 8, 1993

Mobil Exploration & Producing U.S.
P.O. Box 633
Midland, Texas 79702

Re: Ratherford Unit 14-31 Well, 754' FNL, 1604' FEL, NW NE, Sec. 14, T. 41 S.,
R. 23 E., San Juan County, Utah

Gentlemen:

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

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

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



Page 2
Mobil Exploration & Producing U.S.
Ratherford Unit 14-31 Well
November 8, 1993

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

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31717.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: San Juan County Assessor
Bureau of Land Management, Moab
WO11

Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.
14-20-603-247A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
14-31

9. API Well No.
43-037-31717

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

MOBIL EXPLORATION & PRODUCING US AS AGENT FOR MPTM/MEPNA

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)
754' FNL, 1604' FEL SEC. 14, T41S, R23E

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*
11-15-93 SPUD 17 1/2 IN HOLE RIH W/2 JTS 13 3/8 IN. 48# H-40 ST&C CSG. W/2 CENT. CMT SHOE AT 88' W/200 SX CL B CMT W/2% CACL2 (1.18 AT 15.6 PPG) CIRC. 30 SX CMT TO SURFACE.

DEC 06 1993

DIVISION OF
OIL, GAS & MINING

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

Signed Shirley Todd SHIRLEY TODD

Title ENV. & REG. TECHNICIAN

Date 11-24-93

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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



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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

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

December 10, 1993

Lowell Sheffield
M E P N A
P. O. Drawer G
Cortez, Colorado 81321

Re: Request for Completed Entity Action Form - Ratherford 14-31
NWNE Sec. 14, T. 41S, R. 23E - San Juan County, Utah

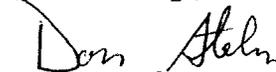
Dear Mr. Sheffield:

This is written to remind you that all well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of spudding a new well. This office was notified that your company spudded the Ratherford 14-31 well, API Number X43-037-31717, on November 15, 1993. At this time, we have not received an Entity Action Form for this well.

Please review the instructions on the back of the enclosed form. Make sure you choose the proper Action Code to show whether the well will be a single well with its own sales facilities (Code A), a well being added to an existing group of wells having the same tank battery and common division of royalty interest (Code B - show existing Entity Number to which well should be added), or a well being drilled in the participating area of a properly designated unit (Code B). Complete the form and return it to us by December 20, 1993.

Your attention to this matter is appreciated. If we can be of assistance to you, please feel free to call Lisha Cordova at the above number.

Sincerely,


Don Staley
Administrative Supervisor

lec
Enclosure
cc: R. J. Firth
~~File~~



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MOBIL EXPLORATION

WELL NAME: RATHERFORD UNIT 14-31

API NO. 43-037-31717

Section 14 Township 41S Range 23E County SAN JUAN

Drilling Contractor ARAPHOE

Rig # 2

SPUDDED: Date 11/15/93

Time _____

How ROTARY

Drilling will commence _____

Reported by SHIRLEY TODD

Telephone # 1-915-688-2585

Date 12/8/93 SIGNED JLT

RECEIVED

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DEC 13 1993

- DIVISION OF
OIL GAS & MINING
- Well name and number: RATHERFORD UNIT # 14-31
API number: 43-037-31717
 - Well location: QQ NE section 14 township 41S range 23E county SAN JUAN
 - Well operator: MOBIL EXPLORATION AND PRODUCING U.S.
Address: P.O. Box 633 phone: (915) 688-2431
MIDLAND, TX 79702
 - Drilling contractor: ARAPAHOE DRILLING CO., INC
Address: P.O. Box 26687 phone: (505) 881-6649
ALBUQUERQUE, N.M. 87125

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
550'	1575'	EST. 3 BPM or 126 gpm	FRESH

6. Formation tops: ENTRADA @ 400' CHINLE @ 1350'
(ESTIMATED) CARMEL @ 500'
NAVajo @ 600'
WINGATE @ 900'

If an analysis has been made of the water encountered, please attach a copy of the report to this form. NO FORMAL REPORT AVAILABLE. MUD ENGINEER ANALYZED SAMPLE & THE RESULTS WERE AS FOLLOWS: CHLORIDES = 600 ppm
CALCIUM = 20 ppm

I certify that this report is true and complete to the best of my knowledge.

Name STEVE MUNSELL Signature S. S. Munsell
Title SENIOR STAFF DRILLING ENGINEER Date 12/8/93

Comments:

OPERATOR MOBIL (MEPNA)
ADDRESS F.O. BRANER G
CORTEZ, CO 81321

OPERATOR ACCT. NO. N7370

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	06280	06280	4303731717	RATHERFORD 14-31	NWNE	14	41S	23E	SAN JUAN	11-15-93	
WELL 1 COMMENTS: Entity added 12-22-93. <i>lc</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

RECEIVED

DEC 20 1993

DIVISION OF
OIL, GAS & MINING

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.

Lowell Sheffield
Signature _____
Title _____ Date _____
Phone No. (303) 565-2212

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

5. Lease Designation and Serial No.
14-20-603-247A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
14-31

9. API Well No.
43-037-31717

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

MOBIL EXPLORATION & PRODUCING US AS AGENT FOR MPTM/MEPNA

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)

754' FNL, 1604' FEL SEC. 14, T41S, R23E

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

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

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

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

RUN 35 JTS 9 5/8 J-55 STC CSG. CMT SHOE AT 1575' W/475 SXS LEAD AND 625 SXS TAIL. CMT DOWN BRADENHEAD W/242 SXS CL B W/2% CACL2.
RUN 121 JTS 7IN CSG. CMT SHOE AT 5600' & FIT COLLAR AT 5550' W/30 BBLS POZ 4444 SXS LEAD (11.5 PPG - 2.70 YLD) & 313 SXS - LATEX TAI (15.8 PPG - 1.18 YLD) CIRC. 60 BBLS SLURRY. 2ND STAGE CMT THRU DV AT 2993' W/30 BBLS POZ 493 SXS LEAD (11.5 PPG - 2.70 YLD) & 100 SXS TAIL (15.6 PPG 1.18 YLD) 70 BBLS SLURRY TO SURFACE.

RECEIVED

DEC 20 1993

DIVISION OF
OIL, GAS & MINING

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

Signed Shirley Todd SHIRLEY TODD Title ENV. & REG. TECHNICIAN Date 12-13-93

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-247A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO TRIBAL

7. UNIT AGREEMENT NAME
RATHERFORD UNIT

FARM OR LEASE NAME
RATHERFORD UNIT

9. WELL NO.
14-31

10. FIELD AND POOL, OR WILDCAT
GREATER ANETH

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 14, T41S, R23E

12. COUNTY OR PARISH
San Juan

13. STATE
UTAH

14. PERMIT NO.
43-037-31717

DATE ISSUED
11-9-93

15. DATE SPUDDED
11-16-93

16. DATE T.D. REACHED
12-7-93

17. DATE COMPL. (Ready to prod.)
12-15-93

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
GL -4557.8

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
5600

21. PLUG BACK T.D., MD & TVD
5600

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
→

ROTARY TOOLS

CABLE TOOLS
X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5435-5560 Desert Creek

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL/LDT/GR/Sonic/DIL/SFL

27. WAS WELL CORED
NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	88	17 1/2	200 SX CL "B"	NONE
9 5/8	36#	1575	12 1/4	1342 SX CL "B"	NONE
7	23#	5600	8 3/4	1250 SX CL "B"	NONE
DV Tool @ 2993'					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE 2 7/8
					DEPTH SET (MD) TAC @ 5368'
					PACKER SET (MD) SN-A-5560'

31. PERFORATION RECORD (Interval, size and number)

Perf 4SPF (219 holes) @ 5435-58, 5474-80m 5520-30, 5544-60

32. ACID, SHOT, FRACTURE, CEMENT-SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5424-5530	Acidze w/10,5000 gals 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION
12-22-93

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
1 1/4" Pump

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
12-22-93	24		→	29	2	0	69

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→				40

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold to El Paso Gas

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Diviation Report

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

SIGNED Shirley Todd Shirley Todd TITLE Env. & Reg. Technician DATE 1-21-94

*(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	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
DeChelly	2350		Sand, Shale				
Hermosa	4650		Limestone, Shale				
Ismay	5175		Limestone, Shale				
L. Ismay	5300		Limestone, Shale				
Gothic Shale	5320		Shale				
Desert Creek I	5345		Shale				
Desert Creek II	5400		Shale				
Chimney Rock	5730		Shale				

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

5. Lease Designation and Serial No.
14-20-603-247A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.
14-31

9. API Well No.
43-037-31717

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MOBIL EXPLORATION & PRODUCING U.S. AS AGENT FOR MPTM/MEPNA

3. Address and Telephone No.
P O BOX 633 MIDLAND TX 79702

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
754' FNL, 1604' FEL SEC. 14, T41S, R23E

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

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

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

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

AMEND CASING, CEMENT, & HOLE SIZE

HOLE SIZE	CASING	WEIGHT	QUANTITY OF CMT
17 1/2	13 3/8	48#	200 FT ³ (CIRC. TO SURFACE)
12 1/4	9 5/8	36#	651 FT ³ (CIRC. TO SURFACE)
8 3/4	7	23#	1086 FT ³ (CIRC. TO SURFACE)

Post-It™ brand fax transmittal memo 7671 # of pages > 8

To Wayne Townsend	From Steve Munsell
Co. BLM	Co. Mobil
Dept.	Phone # 915 688-2431
Fax # 505-599-8998	Fax #

RECEIVED

JAN 24 1994

DIVISION OF
OIL, GAS & MINING

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

Signed Shirley Bond Title Env. & Reg. Technician Date 1-21-94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

DATE: 1-25-94

BY: [Signature]

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 Corporation
 Ratherford Unit #14-31
 754' FNL and 1604' FEL
 Section 14, T-41-S, R-23-E
 San Juan County, Utah

RECEIVED

JAN 24 1994

DIVISION OF
 OIL, GAS & MINERAL

4. CASING & CEMENT

<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#	USS50	LT&C	New	0000' - 5300'
8 3/4	7"	23#	L80	LT&C	New	5300' - 5800'

Surface Casing (0' to 80'): Cement to surface with 200 ft³. Volume calculated with 100% excess. Ready-Mix cement.

Intermediate Casing (0' to 1600): Cement to surface with 651 ft³. Volume calculated with 30% excess. Lead with slurry of 65:35:6 "B" Poz + 2% CaCl₂. Tail with Class "B": + 2% CaCl₂. Total of 11 centralizers and one stop collar. One on the shoe joint and one every fourth collar to 200' from surface. Actual cement volume to be based on OH Caliper + 30% excess.

Production Casing (0' to 6000'): Cement to surface with 1086 ft³ (via two stage cement job). Volume calculated with 30% excess. Lead with slurry of Class G + 3% Econolite + 0.25 gps Flocele (wt/yld = 11.5/2.70). Tail with Class G + 3 gps Latex 2000 + 0.05 gps Dair 3 + 0.5 gps 434 B + 0.5% CFR 3 (wt/yld = 15.8/1.18) or Flexcem. Total of 38 centralizers and 1 stop collar. One centralizer on the float shoe then every fourth collar. Actual cement volumes based on OH Caliper + 30% excess.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0000 - 1600	FW/Spud Mud	8.4 - 8.8	35 - 45	NC
1600 - 5000	FW/PHPA	9.0 - 11.5	36 - 48	NC
5000 - 6000	FW/PHPA	9.5 - 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

The anticipated spud date is November 1993. It is expected to take +/- 24 days to drill the well and 10 days to complete the well.

ENTITY ACTION FORM - FORM 6

ADDRESS P O BOX 633
Midland, Tx 79702

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	6280		43-037-31717	Ratherford Unit #14-31		14	41S	23E	San Juan	11-16-93	11-16-93
WELL 1 COMMENTS: This is an oil well <i>Entity previously added 12-22-93.</i>											
B	99999	06280	43-037-31719	Ratherford Unit #19-13		19	41S	24E	San Juan	12-08-93	12-08-93
WELL 2 COMMENTS: This is an oil well <i>Entity added 1-25-94. fee</i>											
B	99999	06280	43-037-31720	Ratherford Unit #21-24		21	41S	24E	San Juan	12-27-93	12-27-93
WELL 3 COMMENTS: This is an oil well <i>Entity added 1-25-94. fee</i>											
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.

RECEIVED

JAN 24 1994

DIVISION OF
OIL, GAS & MINING

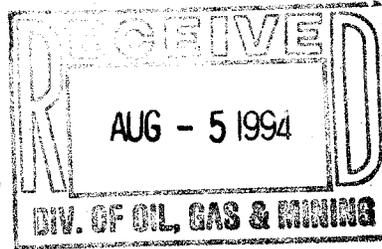
Shelby Todd
Signature
Env. & Reg Tech. 1-21-94
Title Date
Phone No. (915) 688-2585



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)



February 3, 1994

Ms. Shirley Todd
Mobil Exploration & Producing US
P. O. Box 633
Midland, Texas 79702

2nd NOTICE

7-27-94

Re: Ratherford Unit #14-31, API No. 43-037-31717
Submittal of Electric and Radioactivity Logs

AIS 23E14

Dear Ms. Todd:

We have not received the logs for the referenced well. The Well Completion Report indicates that CNL/LDT/GR/Sonic/DIL/SFL logs were run. Please submit a copy of these logs to this office as soon as possible.

Your help in this matter will be greatly appreciated. If you have questions regarding this request, please contact me at (801) 538-5340.

COMPENSATED SONIC LOG
SIMULTANEOUS COMPENSATED NEUTRON - LITHO-DENSITY
DUAL INDUCTION - SFL w/ linear correlation;
BOREHOLE COMPENSATED SONIC LOG
SPECTRAL DENSITY DUAL SPACED NEUTRON

Sincerely,

Vicky Carney

Vicky Carney
Production Group Supervisor

cc: R. J. Firth
D. T. Staley
L. D. Clement
Log File

Vicky,

*This is the 3rd time
the logs have been sent.*

Shirley Todd

*W. Spence
DCC
3-3-94*



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 15 1995

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)
**754' FNL, 1604' FEL
 SEC. 14, T41S, R23E**

5. Lease Designation and Serial No.
14-20-603-247A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD 14-31

9. API Well No.
43-~~143~~-31717

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

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

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

SEE ATTACHMENT

14. I hereby certify that the foregoing is true and correct
 Signed Shirley Robertson Title ENV. & REG. TECHNICIAN Date 05-11-95

(This space for Federal or State office use)

Approved by _____ Title _____ Date Tax Credit

Conditions of approval, if any:

6/19/95

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.

Ratherford Unit 14-31
Injection Well Conversion

AFE # 4AL7

1. Lock and tag out all power sources. Clamp off polish rod. Remove horse head. RU pump and pump lines to casing annulus and kill well with lease water.
2. MI workover rig. ND pump tee. NU and PT BOP's. POH with sucker rods and rod pump laying down same. Release tubing anchor and POH standing back production tubing.
3. RIH with 6-1/8" rock bit without nozzles and casing scraper for 7", 23 lb/ft casing on 2-7/8" tubing to PBTB at 5590'. POH.
4. RIH with squeeze packer on 2-7/8" tubing and set at 5400'. PT casing to 1000 psi. If PT fails, locate and squeeze casing leak using a RBP with sand dumped on top to isolate completion interval, and 100 sxs of class B cement containing 2 percent calcium chloride. Clean out cement and retest casing string to 1000 psi. Resqueeze as necessary. Wash sand off RBP and retrieve same. POH laying down workstring.
5. RIH with a Guiberson G-6 injection packer on new 2-7/8", 6.5 lb/ft J-55 KCTS (Threadmasters Torque Ring) Fluorolined Tubing to 5385'. Reverse circulate fresh water packer fluid containing 1 percent by volume of Tretolite CRW137 corrosion inhibitor/oxygen scavenger. Set packer at 5385'. PT backside to 1000 psi. ND BOP's. NU injection head (Ken Britton with Big Red Tool at 505/325-5045).

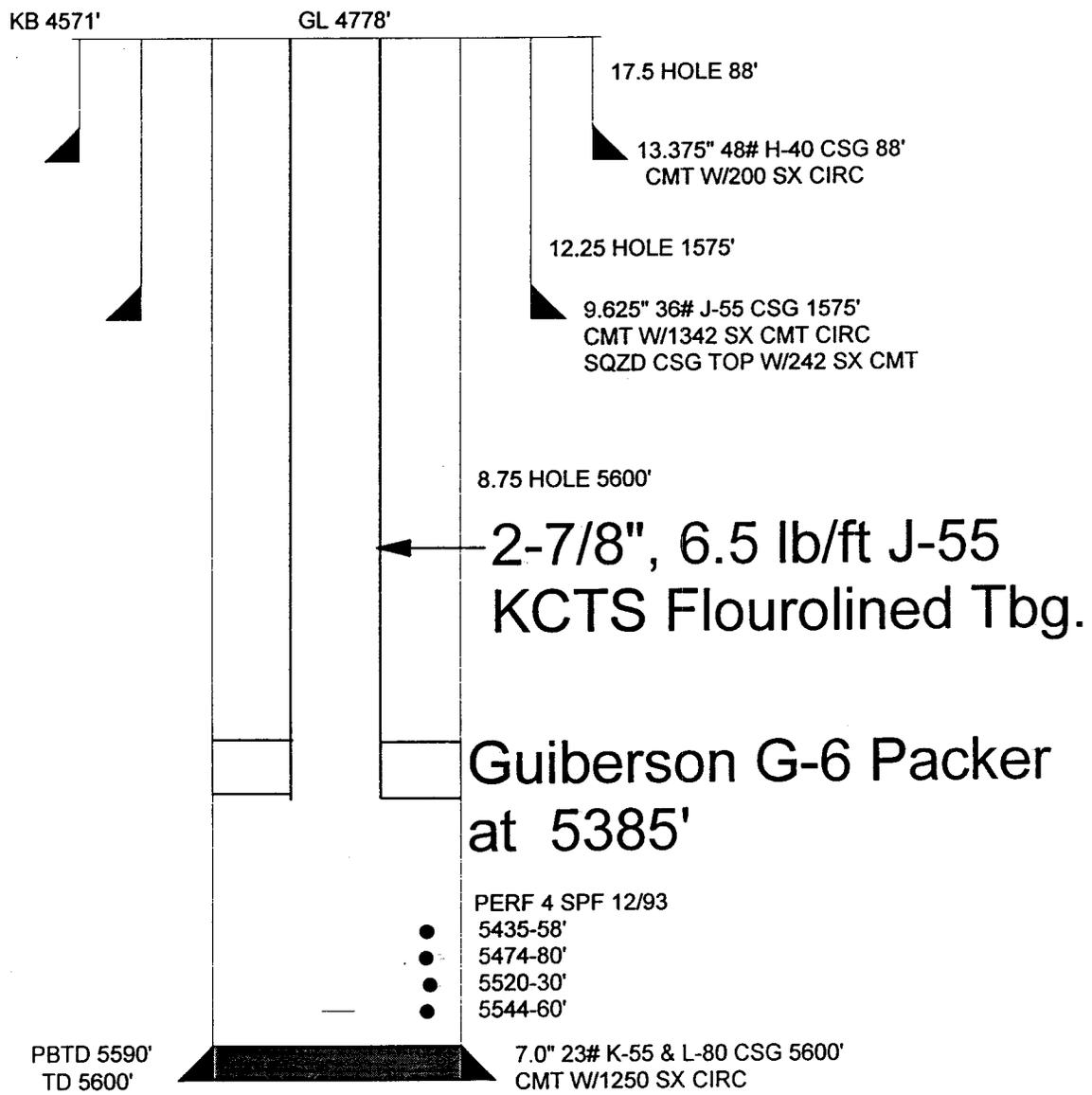
NOTE: A. All new KCTS tubing to be torque turned to 2250 ft-lbs (Tong Rentals at 512/668-9774). All connections of seal assembly and tubing to be made up using permiserts, permetek, and Baker Super B thread compound. Supervision of make-up/running KCTS tubing from Bill Allman with Permian Enterprises at 505/632-8702.

B. Rabbit tubing with 2.0" O.D. rabbit.

6. Perform Mechanical Integrity Test (MIT) for EPA. Contact Jim Walker of the Navajo EPA in Shiprock at 505/368-1040 to witness. Use chart recorder to record test. Send copies of chart to Shirley Todd, Midland - 1206 MOB, Ed Barber, Aneth, and Ratherford files. After obtaining an acceptable MIT, place well on water injection at 500 BWPB.

RATHERFORD UNIT 14-31
 GREATER ANETH FIELD UTAH
 754' FNL & 1604' FEL
 SEC 14-T41S-R24E
 SAN JUAN COUNTY UTAH
 API 43-037-31717
 PRISM 0043260

Proposed



Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.
14-20-603-247A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD 14-31

9. API Well No.
43-037-31717

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 INJECTOR

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)
754' FNL, 1604' FEL
SEC. 14, T41S, R23E

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

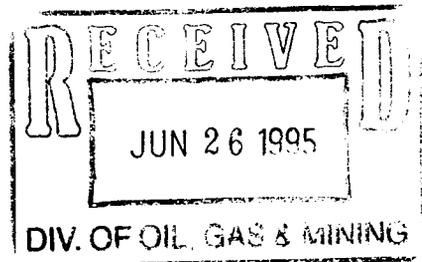
TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other _____
 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.)*

06-13-95 MIRU NU BOP POH W/TBG.
06-14-95 RIH W/BIT TO 5560'. PRESS TEST CSG TO 1000 PSI/30 MIN/HELD.
06-15-95 NU 11.3 X 7 X 1/16 X 3000# WELLHEAD. TEST TO 1000 PSI/30 MIN/OK
06-16-95 RIH W/PKR AT 5394'. FILL CSG W/PKR FLUID. PRESS TEST CSG TO 1000 PSI/30 MIN/OK.
06-19-95 RDMO WAITING ON INJECTION LINE HOOKUP.



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

Signed Shuley Dodd Title ENV. & REG TECHNICIAN Date 06-21-95

(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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP
M E P N A
PO DRAWER G
CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
4303731590	06280	41S 24E 20	DSCR					
4303731591	06280	41S 24E 20	DSCR					
4303731592	06280	41S 24E 20	DSCR					
4303731593	06280	41S 23E 24	DSCR					
4303731596	06280	41S 24E 19	DSCR					
4303731622	06280	41S 23E 11	DSCR					
4303731623	06280	41S 23E 14	DSCR					
4303731717	06280	41S 23E 14	DSCR					
4303731719	06280	41S 24E 19	DSCR					
4303731720	06280	41S 24E 21	DSCR					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

(Location) Sec ___ Twp ___ Rng ___
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPER NM CHG

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call)
Talked to:

Name R. J. FIRTH (Initiated Call) - Phone No. (_____)
of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.
*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

1-LEC	7-PL
2-LWP	8-SJ
3-DES	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator **Operator Name Change Only**

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) MOBIL EXPLOR & PROD
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

FROM (former operator) M E P N A
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-31717</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A* *Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ____ . Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* *OTS* *8/5/95* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State Leases**.

FILMING

1. All attachments to this form have been microfilmed. Date: October 6 19 95.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 LIC F5/Not necessary!

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

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 14-W-31

9. API Well No.

43-037-31717

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 PRODUCING TX & NM INC.*

*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

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)

SEC. 14, T41S, R23E
754' FNL & 1604' FEL

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

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- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

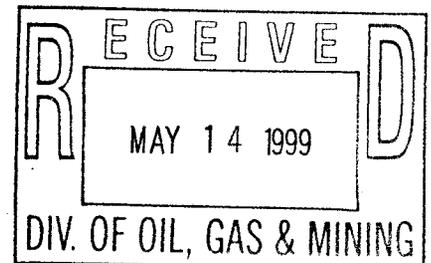
TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
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 Other MIT CHART
- 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.)*

SEE ATTACHED CHART.



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

Signed Shirley Houchins for

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 5-11-99

(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

ExxonMobil Production Comp
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.

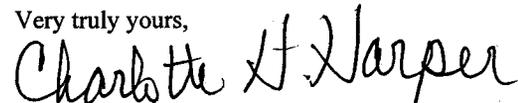
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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
XXXXXXXXXXXXXXXXXXXX
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 1	<i>DeM</i>
NATV AM MIN COORD	_____
SOLID MIN TEAM	_____
PETRO MIN 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

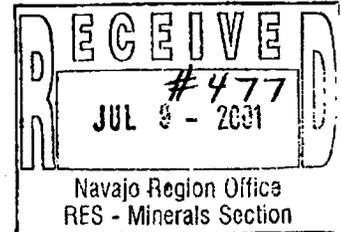
By 7/12/2001
SN
593
File

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.

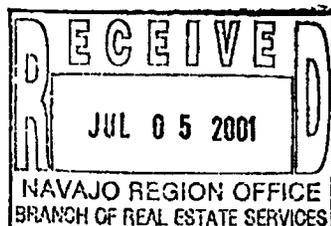
If you have any questions , please contact Alex Correa at (713) 431-1012.

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 Isasi

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.

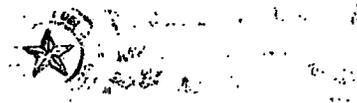
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

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

One Chubb Plaza, Suite 1900, Houston, Texas 77027-3501
Telephone: (713) 297-4600 • 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



**Chubb
Surety**

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

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, Assistant Secretary

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
Commission Expires Oct 28, 2004

Notary Public

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, 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.133 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.

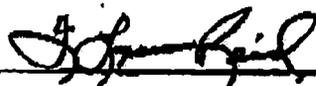
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



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.



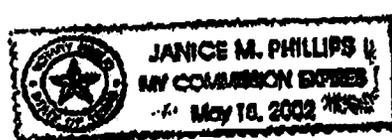
F. L. REID, Secretary

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

TAX \$

5959 Lee Colinas Blvd.

(Mailing address)

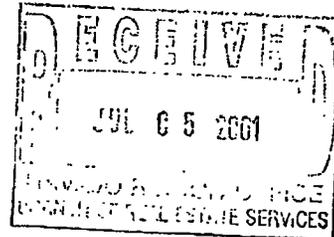
BY: SAC

ny Albany

Irving, TX 75039-2298

(City, State and Zip code)

Cust Ref # 16557817PJ



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

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)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD 14-W-42	14-41S-23E	43-037-15860	6280	INDIAN	WI	A
RATHERFORD UNIT 14-31	14-41S-23E	43-037-31717	6280	INDIAN	WI	A
24-31	24-41S-23E	43-037-15862	6280	INDIAN	WI	A
24-42	24-41S-23E	43-037-15863	6280	INDIAN	WI	A
6-14	06-41S-24E	43-037-15984	6280	INDIAN	WI	A
7-12	07-41S-24E	43-037-15985	6280	INDIAN	WI	A
7-14	07-41S-24E	43-037-15986	6280	INDIAN	WI	A
7-34	07-41S-24E	43-037-15989	6280	INDIAN	WI	A
NAVAJO B41-7 (RATHERFORD 7-41)	07-41S-24E	43-037-15990	99990	INDIAN	WI	A
8-14	08-41S-24E	43-037-15992	6280	INDIAN	WI	A
RATHERFORD 8W43	08-41S-24E	43-037-16396	99996	INDIAN	WI	A
NAVAJO B-5 (RATHERFORD 9-43)	09-41S-24E	43-037-16400	99990	INDIAN	WI	I
NAVAJO B-6 (RATHERFORD 10W21)	10-41S-24E	43-037-16401	99990	INDIAN	WI	I
NAVAJO B-2 (RATHERFORD 10W23)	10-41S-24E	43-037-16402	99990	INDIAN	WI	I
NAVAJO W-2 (RATHERFORD 10W43)	10-41S-24E	43-037-16403	99990	INDIAN	WI	I
NAVAJO A-11 (RATHERFORD 15W21)	15-41S-24E	43-037-16411	99990	INDIAN	WI	I
NAVAJO A-19 (RATHERFORD 15W23)	15-41S-24E	43-037-16412	99990	INDIAN	WI	I
NAVAJO A-24 (RATHERFORD 15W43)	15-41S-24E	43-037-16413	99990	INDIAN	WI	I
16-12	16-41S-24E	43-037-15720	6280	INDIAN	WI	A
16-14	16-41S-24E	43-037-15721	6280	INDIAN	WI	A

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

NOTE: EPA ISSUES UIC PERMIT

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/10/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/10/2002

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:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

1-LEC	7-PL
2-LWP	8-SJ
3-DES	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator **Operator Name Change Only**

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) MOBIL EXPLOR & PROD
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

FROM (former operator) M E P N A
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-31717</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/*no*) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A* *Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ____ 2. A copy of this form has been placed in the new and former operators' bond files.
- ____ 3. The former operator has requested a release of liability from their bond (yes/no) ____ . Today's date _____ 19____ . If yes, division response was made by letter dated _____ 19____ .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* *OTS* *8/5/95* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____ , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State Leases**.

FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: October 6 19 95.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 LIC F5/Not necessary!

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 (UIC)

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list		API Number Attached
Location of Well		Field or Unit Name Rutherford Unit
Footage: See attached list	County: San Juan	Lease Designation and Number See attached list
QQ, Section, Township, Range:	State: UTAH	

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: _____
 Address: PO Box 4358 Signature: _____
city Houston state TX zip 77210-4358 Title: _____
 Phone: (281) 654-1936 Date: _____
 Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory
 Address: 1675 Broadway, Suite 1950 Signature: 
city Denver state CO zip 80202 Title: Regulatory Coordinator
 Phone: (303) 534-4600 Date: 4/20/2006
 Comments: A list of affected UIC wells is attached.
 New bond numbers for these wells are:
 BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by: 
 Title: Field Operations Manager Approval Date: 6/12/06

Comments:

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

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 checked="" 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.

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 Malloy</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

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(5/2000)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER:
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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
		7. UNIT or CA AGREEMENT NAME: UTU68931A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>	8. WELL NAME and NUMBER: Ratherford	
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		9. API NUMBER: attached
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358	PHONE NUMBER: (281) 654-1936	10. FIELD AND POOL, OR WILDCAT: Aneth
4. LOCATION OF WELL FOOTAGES AT SURFACE:		COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		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 injection wells included in the transfer.

NAME (PLEASE PRINT) Laurie Kilbride TITLE Permitting Supervisor

SIGNATURE *Laurie S. Kilbride* DATE 4/19/2006

(This space for State use only) **APPROVED** 6/27/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
(See Instructions on Reverse Side)

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GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL