

Copied for
C. M. Bole
4-18-62 EFL:mas

THE STATE OF UTAH
OFFICE OF THE STATE ENGINEER
SALT LAKE CITY

March 26, 1962

RECEIVED
APR 2 - 1962
PRODUCTION
DEPARTMENT

Phillips Petroleum Company
Bartlesville,
Oklahoma

Gentlemen:

RE: APPROVED APPLICATION NO. a-4025

Enclosed find Application No. a-4025 which has been approved by me. This approved Application is your authority to proceed with actual construction work which, under Sections 73-3-10 and 73-3-12, Utah Code Annotated 1953, as amended, must be diligently prosecuted to completion. The water shall be put to beneficial use and proof of appropriation filed with the State Engineer, as provided in the original application as amended by this approved change Application.

Failure on your part to comply with the requirements of the statutes may result in forfeiture of your Application.

Yours truly,

Wayne D. Criddle

Wayne D. Criddle

ADDRESS ALL COMMUNICATIONS TO:

STATE ENGINEER
403 STATE CAPITOL
SALT LAKE CITY, UTAH

js
Encl: Copy of approved application

CHANGE APPLICATION APPROVED

(Form for pending original Application)



Copied for
C. M. Boles
11-3-61 SS:mll

THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY
October 30, 1961

WAYNE D. CRIDDLE
STATE ENGINEER

Issue Date: October 30, 1961
Expiration Date: April 30, 1962

Phillips Petroleum Company
c/o Senior and Senior, Attorneys
#10 Exchange Place
Salt Lake City 11, Utah

Gentlemen:

RE: APPROVED APPLICATION NO. 32773 AND
CHANGE APPLICATION NO. a-4025

This is to acknowledge receipt of your Permanent Change Application No. a-4025, which proposes to change the point of diversion of 0.0 sec.-ft. of water initiated by Application No. 32773. The water was to have been diverted from ten 12.75-inch O.D. wells located within $S\frac{1}{2}N\frac{1}{2}NE\frac{1}{4}$ and $SE\frac{1}{4}NE\frac{1}{4}$ of Sec. 5, T41S, R24E, SLB&M. It is now proposed to divert the 0.0 sec.-ft. of water from a total of 11 wells 12.75 inches O.D. between 35 and 50 ft. deep, ten of these being the same as heretofore described and thirty-one wells to be located within $NW\frac{1}{4}$ Sec. 3, $S\frac{1}{2}$ Sec. 4, $NW\frac{1}{4}$ Sec. 5, T41S, R24E, SLB&M. The water is to be used for pressure maintenance and secondary recovery purposes as heretofore.

You have requested permission to proceed immediately with the drilling of these additional 11 wells. This letter grants you that privilege with the understanding that all risks as regards water rights are being assumed by you.

If other than new standard casing is to be used in these wells, such casing must be inspected and approved by a representative from this office. All wells must be so constructed and finished that they may be readily controlled at all times, in order to prevent waste of underground water. Wells must be drilled and cased in such a manner that will prevent the infiltration of contaminated water into them.

The driller must be bonded and have a current permit from the State Engineer. Before commencing, he must give this office notice as to the date he will begin drilling. Also, within 30 days after the well has been completed or abandoned, he must file a well driller's report for each well. These reports are to contain accurate and complete information regarding the work done and become part of the files in this office pertaining to the above-numbered wells.

This is permission for a licensed driller to begin drilling your wells.

Please note that the expiration date of this letter is April 30, 1962.

Yours truly,

Wayne D. Criddle
Wayne D. Criddle
STATE ENGINEER

RECEIVED

ds

1961

SE

SENIOR

RECEIVED (COPY)

Senior
Williams
10/13/61

October 13, 1961

AIRMAIL

Mr. Clair M. Senior
Senior & Senior
Attorneys at Law
10 Exchange Place
Salt Lake City, Utah

Re: Alternate or Additional Source of Water
for the Rutherford Unit, San Juan County, Utah

Dear Clair:

Herewith in triplicate is completed and signed application to the Utah State Engineer for additional and alternate points of diversion for water for water-flood purposes in the Rutherford Unit. I would appreciate it if you would handle this matter with the Water Engineer and, as diplomatically as possible, urge upon him the importance of expediting the matter as much as possible.

Having gotten these papers back from the Production Department too late to get a check for the filing fee, I would ask that you advance the fee and, upon being billed, I will send you the check.

If you need any additional information, please advise.

Very truly yours,

RMW:jd
Enclosures

R. M. Williams

cc - Mr. Shofner Smith ✓

3 copies
transmitted
Chairman
10-13-67
Pat

STATE ENGINEER
Legal

Application for Permanent Change of Point of Diversion, Place and Nature of Use of Water STATE OF UTAH

Do not fill out this blank until you have read carefully and thoroughly understand the "Rules and Regulations" on the back hereof and all the notes in the body of it.

For the purpose of obtaining permission to permanently change the point of diversion, ~~place or nature of use of~~ (Strike out written matter not needed)

water right acquired by original Application No. 32773
(Give No. of Application, certificate of appropriation, title and date of Decree or other identification of right)
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- The name of the applicant is Phillips Petroleum Company
- The post-office address of the applicant is Bartlesville, Oklahoma
- †The flow of water which ~~has been or~~ was to have been used in second-feet is 8
- †The quantity of water which has been or was to have been used in acre-feet is XX
- †The water ~~has been or~~ was to have been used each year from January 1 to December 31 incl.
(Month) (Day) (Month) (Day)
- †The water has been or was to have been stored each year from XX to XX incl.
(Month) (Day) (Month) (Day)
- The drainage area to which source of supply belongs is (Leave blank)
- The direct source of supply is Underground water and subsurface flow of San Juan River
in San Juan County.
- †The point of diversion as described in the original Application ~~or the point at which the water has been diverted if~~ ^{are} situated at 1 point ~~s~~ in Section 5, T. 41S., R. 24E as more particularly set out in the original Application No. 32773.

- †The water involved ~~has been or~~ was to have been used for the following purposes:
Pressure maintenance and secondary recovery purposes
- Total XX Acres.

NOTE—If for irrigation, give legal subdivision of land and total acreage which has been or was to have been irrigated. If for other purposes, give nature, place and extent of use or proposed use.

- †The point at which water has been or was to have been returned to the stream channel is situated as follows: XX

NOTE—The above space is to be filled in only when all or part of the water is returned to the natural stream or channel.

The Following Changes Are Proposed

- The flow of water to be changed in cubic feet per second is No change
- The quantity of water to be changed in acre-feet is XX
- The water will be used each year from January 1 to December 31 incl.
(Month) (Day) (Month) (Day)
- The water will be stored each year from XX to XX incl.
(Month) (Day) (Month) (Day)
- The point at which it is now proposed to divert the water is situated (See note) See explanatory

NOTE—The "point of diversion," or "point of return," must be located by course and distance or by rectangular distances with reference to some regularly established United States land corner or United States mineral monument if within a distance of six miles of either, or if a greater distance, to some prominent and permanent natural object.

- The proposed diverting and conveying works will consist of wells and conveyance pipe as explained in original Application No. 32773
- The cross-section of the diverting channel will be: XXXXXXXXXX
(Strike out ones not needed)
- The nature of the diverting channel will be: earth, wood, iron, concrete
(Strike out the ones not needed)

†Strike out written matter not needed.



S. Smith

THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

RECEIVED
WAYNE D. CRIDDLE
STATE ENGINEER
PRODUCTION
DEPARTMENT

September 11, 1961

Phillips Petroleum Company
Bartlesville,
Oklahoma

Gentlemen:

RE: APPROVED APPLICATION NO. 32773

Enclosed find Approved Application No. 32773. This is your authority to proceed with actual construction work which, under Sections 73-3-10 and 73-3-12, Utah Code Annotated, 1953, as amended, must be diligently prosecuted to completion. The water shall be put to beneficial use and proof of appropriation made to the State Engineer on or before ~~February 28, 1961~~ otherwise the application will lapse.

Failure on your part to comply with the requirements of the statutes may result in forfeiture of this application.

*Note error in date
of 9/15/61*

Yours truly,

Wayne D. Criddle

ADDRESS ALL COMMUNICATIONS TO:

Wayne D. Criddle
STATE ENGINEER
STATE CAPITOL BUILDING
SALT LAKE CITY, UTAH

js

Encl: Copy of approved application

APPLICATION APPROVED

NOTICE TO APPLICANT

The approval of this Application is not a certificate of change. It is merely your authority to begin construction work, which must be diligently prosecuted to completion. To secure a certificate of change under this Application proof of change must be submitted within the time limit allowed by the State Engineer. The amount of water for which certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water covered by the original right. For further information write the State Engineer.

RULES AND REGULATIONS

Applicants will save time and expense by familiarizing themselves with the law before making Applications.

If the reservoir is to be located on the channel of the source from which the water is to be appropriated, it should be so stated under explanatory, and—

1. The location of the impounding dam should be described in Paragraph 16.
2. The point where the released storage will be rediverted from the natural stream should be described under explanatory in accordance with the note under Paragraph 16.

When the water is to be stored in other than the natural channel of the source from which it is to be appropriated, it should be so stated under explanatory, and—

1. The point of diversion from the supplying source should be described in Paragraph 16.
2. The intersection of the longitudinal axis of impounding dam and centerline of stream channel or drainage and a similar point where the released storage will be rediverted from a natural channel should be described under explanatory in accordance with the note under Paragraph 16.

In all cases Paragraphs 17 to 27, incl., should describe the proposed diverting and carrying works, exclusive of natural channels, even if already constructed in whole or in part.

If it is proposed to collect the water of a number of springs or other sources at a common point, said point should be described as the point of collection in Paragraph 16, and the point of diversion from each source should also be described under explanatory in accordance with the note in Paragraph 16. The quantity of water sought from each source should be indicated under explanatory, the total equaling the quantity specified in Paragraphs 12 or 13. Where the source of supply is in reality a spring area, the point of diversion is the point where the water is collected; in such case the exterior boundary of the spring area must be described under explanatory by metes and bounds and located with reference to the same point as used in describing the point of collection and as outlined by the note under Paragraph 16.

No enlargement of an original water right may be made by a change Application, either as to quantity of water covered, period of use or otherwise.

When there are two or more coapplicants the Application must be accompanied by a power of attorney.

The applicant's permanent address should be given in Paragraph 2, and the State Engineer notified promptly of any change in address; otherwise applicant may lose rights initiated by Application by failing to receive notices sent from the State Engineer's office.

No Application or other paper pertaining to an Application will be marked received unless accompanied with the required filing fee.

Applications accepted and numbered by the State Engineer, when returned to applicant for correction or additions, must be amended with red ink. Erasures must not be made, but any matter may be eliminated by running a red line through it. Corrected Applications must be resubmitted to the State Engineer's office, within sixty days from the date of State Engineer's letter returning Application for correction; otherwise the priority of the right to change will be brought down to date corrected Application is resubmitted.

Applicants will be informed by the State Engineer's office when cost of publishing notice of Application is due, and must advance cost within sixty days after date of notice, otherwise Application will lapse.

Fees Required by Law Payable to State Engineer

| | |
|---|--------|
| For examining and filing Applications for change of point of diversion, place and nature of use..... | \$2.50 |
| For approving and recording Applications for change of point of diversion, place and nature of use..... | \$2.50 |
| For filing written proof of change..... | \$1.00 |
| For examining maps, profiles and drawings that are part of the proof of change..... | \$5.00 |
| For issuing certificate of change..... | \$1.00 |

NOTE—In addition to the above fees applicants must pay the cost of publication of "Notice to Water Users" concerning the proposed change.

EXPLANATORY - contd. from printed form.

The additional alternative points of diversion from the source are in Section 3, T. 41S., R. 24E., San Juan County, Utah, situate at points as follows:

| <u>Diversion Point</u> | <u>From West Line</u> | <u>From North Line</u> | <u>Subdivision</u> |
|------------------------|-----------------------|------------------------|-----------------------------------|
| 1 | 100' | 1780' | SW $\frac{1}{2}$ NW $\frac{1}{2}$ |
| 2 | 365' | 1780' | " |
| 3 | 630' | 1770' | " |
| 4 | 900' | 1620' | " |
| 5 | 1170' | 1620' | " |
| 6 | 1400' | 1600' | SE $\frac{1}{2}$ NW $\frac{1}{2}$ |
| 7 | 1530' | 1600' | " |
| 8 | 1900' | 1600' | " |
| 9 | 2150' | 1620' | " |
| 10 | 2400' | 1700' | " |
| 11 | 2640' | 1750' | " |
| 12 | 2900' | 1810' | SW $\frac{1}{2}$ NE $\frac{1}{2}$ |
| 13 | 3180' | 1900' | " |
| 14 | 3400' | 1950' | " |
| 15 | 3650' | 2050' | " |
| 16 | 3870' | 2225' | " |
| 17 | 4100' | 2450' | SE $\frac{1}{2}$ NE $\frac{1}{2}$ |
| 18 | 4250' | 2700' | NE $\frac{1}{2}$ SE $\frac{1}{2}$ |
| 19 | 4380' | 2975' | " |
| 20 | 4420' | 3250' | " |

December 2, 1965

Ratherford Unit, San Juan County, Utah -
Application No. 32773 - Request for Extension
of Time to Make Proof of Appropriation

Mr. R. M. Williams (2)
Legal Department

Phillips' Application No. 32773 to the State of Utah for appropriation of water to be used in the Ratherford Unit project was approved on September 5, 1961. One condition of the approval was that a proof of appropriation be submitted by February 28, 1963. Subsequently an extension was granted and the proof of appropriation is now due on February 28, 1966. It is not possible to determine at this time the quantity of water that will ultimately be required and this is to request your assistance in obtaining an additional extension of time before it is necessary to file the proof.

Attached is a copy of Mr. C. M. Boles' letter dated November 23, 1965, which transmits a copy of an unexecuted application for an extension of time for filing the proof from February 28, 1966, to February 28, 1971. Please examine the application as to form and, if it is acceptable, forward it to Mr. J. E. Chrisman, who will arrange for its execution. If it is your opinion that the legal firm of Senior and Senior should file the application, as was done previously, please so advise and the executed application will be returned to you.

Stofner Smith

JEC:ga
Attach.

cc: Messrs. C. W. Corbett
Attn. T. L. Osborne
C. M. Boles ✓

12/8/65
HSC

1/10

HSC



DIVISION OF CONSERVATION ARCHAEOLOGY

San Juan County
Museum Association

April 19, 1985

Mr. Jon Weichbrodt
Phillips Petroleum Company
P.O. Box 1150
Cortez, Colorado 81321

Re: BIA DCA-85-187

Dear Mr. Weichbrodt:

Our report on the archaeological survey of 17 well pads, access roads and pipeline right-of-ways in the Rutherford Unit, San Juan County, Utah is enclosed. Six sites and 34 isolated loci were found.

We have recommended clearance for all 17 locations (with stipulations for wells 7-44, 12-12 and 18-22 (see report for details)). Wells 7-24 and 7-33 require further treatment of archaeological sites and will be submitted in a separate report so they will not delay construction of the others.

The Bureau of Indian Affairs will review this report and make the final decision on archaeological clearance for your project. The Bureau of Indian Affairs in Window Rock should notify the Real Property Management office of the Shiprock Bureau of Indian Affairs of its decision.

An invoice will follow. We have enjoyed working with you and hope we can be of service again. If you have any questions, please call us. We will be happy to help you.

Sincerely,

Roger A. Moore
Supervisory Archaeologist

cc: Mark Henderson, BIA, Window Rock (6)
State Historic Preservation Office, Salt Lake City

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

ITEM 7

The water will be pumped from the diversion area to the oil field where the water will be injected under pressure through deep wells into the petroleum-bearing formations for pressure maintenance and secondary recovery purposes.

ITEM 8

The point or points of diversion from the source will be in Section 5, T41S, R24E SIM, San Juan County, situated as follows: From that point at which the south bank of the river channel intersects the east line of Section 5, T41S, R24E, to that point at which the South bank of river channel intersects the North line of Section 5, T41S, R24E.

Diversion will be from one or more wells or infiltration galleries to be drilled in the alluvial fill and to be located as close to the South bank of the river channel as is practical within the east-west limits as above defined. Specific location and number of diversion points will be determined by a hydrographic survey and/or producing characteristics of wells to be drilled. The aggregate withdrawal, the rate of which is not to exceed that specified in this application, will be commingled in a conveyance works described in greater detail herein.

ITEM 9

The diverting and carrying works will consist of 12-1/4" diameter wells, cased with 35 to 50 feet of 8-5/8 inch outside diameter pipe to be drilled to depths of from 35 feet to 50 feet and about 10,000 feet of 10-3/4 inch conveyance pipe to places of use.

ITEM 20

Township 41 South, Range 23 East, SIM

S/2 Sec. 1; SE/4 Sec. 2; E/2 Sec. 11; All Sec. 12; All Sec. 13, E/2 Sec. 14, NE/4 Sec. 24.

Township 41 South, Range 24 East, SIM

All Sections 3, 4, 5, 6, 7, 8, 9, 10; W/2 Sec. 11, W/2 Sec. 14; All Sections 15, 16, 17, 18, 19, 20, 21; NW/4, W/2 SW/4 Sec. 22; W/2 NE/4, NW/4, W/2 SW/4 Sec. 28; All Sections 29, 30; N/2 Sec. 31; N/2 Sec. 32.

Said described lands, which are in San Juan County, Utah, constitute the Rutherford portion of the Greater Aneth Area oil field.

Continued on page 4

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

PHILLIPS PETROLEUM COMPANY

By:

L. E. Fitzgerald
Signature of Applicant

VICE PRESIDENT OF PRODUCTION

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH,
County of..... } as

On the day of 19..... personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

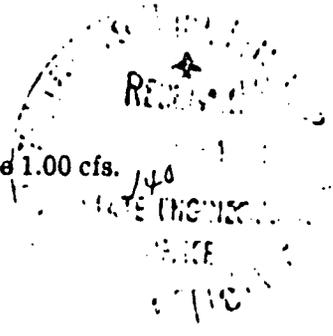
Notary Public

POOR COPY

FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

| Flow rate — c.f.s. | Cost |
|--------------------|------------------------------------|
| 0.0 to 0.1 | \$ 10.00 |
| over 0.1 to 0.5 | 20.00 |
| over 0.5 to 1.0 | 30.00 |
| over 1.0 to 15.0 | 30.00 plus \$5/cfs above 1.00 cfs. |
| over 15.0 | 100.00 |

| Storage — acre-feet | Cost |
|---------------------|--|
| 0 to 20 | 15.00 |
| over 20 to 500 | 30.00 |
| over 500 to 7500 | 30.00 plus \$5/500 a. f. above first 500 |
| over 7500 | 100.00 |



(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. *Feb. 27, 1961* Application received *by mail* *over counter* in State Engineer's office by *...*
2. *...* Priority of Application brought down to, on account of *...*
3. *Feb. 27, 1961* Application fee, \$ *5.50*, received by *...* Rec. No. *02265*
4. *Mar. 10, 1961* Application *PHOTOSTATED* book *711.32*, page *327*, and indexed by *J. T. ...*
5. *...* Application platted by *...*
6. *April 7, 1961* Application examined by *ME*
7. *...* Application returned, *...* or corrected by office *...*
8. *...* Corrected Application resubmitted *over counter* *by mail* to State Engineer's office.
9. *April 7, 1961* Application approved for advertisement by *ME*
10. *June 16, 1961* Notice to water users prepared by *R. K. H.*
11. *June 29, 1961* Publication began; was completed *July 13, 1961*
Notice published in *Sau Juan Record, Monticello, Utah*
12. *June 27, 1961* Proof slips checked by *J. S. ...*
13. *...* Application protested by *...*
14. *July 25, 1961* *Subbooks paid 755.22-1016-...*
Hearing held by *...*
15. *...* Field examination by *...*
16. *Sept 5, 1961* Application designated for *approval* *rejection* *...*
17. *Sept. 11, 1961* Application copied or photostated by *T.E.* proofread by *...*
18. *Sept. 11, 1961* Application *approved* *rejected*
19. **Conditions:**
This Application is approved, subject to prior rights, as follows:
a. Actual construction work shall be diligently prosecuted to completion.
b. Proof of Appropriation shall be submitted to the State Engineer's office by *Feb. 28, 1963*
c. *...*
20. *...* Time for making Proof of Appropriation extended to *...*
21. *...* Proof of Appropriation submitted.
22. *...* Certificate of Appropriation, No. *...*, issued

Wayne D. Criddle
Wayne D. Criddle State Engineer.

POOR COPY

EXPLANATORY CONTINUED

The use of the applied for water for the planned pressure maintenance and secondary recovery operations will permit the recovery of substantial quantities of oil and gas which would otherwise not be recovered.

POOR COPY

NOTICE TO APPLICANT

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.

13

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
 Phillips Oil Company

3. ADDRESS OF OPERATOR
 P.O. Box 2920, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface: 660' FSL, 660' FWL Sec. 1-T41S-R23E
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 5 miles south of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 660' from Ratherford Unit Lease Line

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEAS, FT.
 1200'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4535' ungraded ground

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# | 100' | 150 sx (Circ to surface) |
| 12-1/4" | 9-5/8" | 36# | 1600' | 600 sx (Circ to surface) |
| 8-3/4" | 7" | 23# & 26# | 5400' | 1000 sx est (T.O.C. approx 2000) |

Approval is requested to drill Ratherford Unit #1-14, a Desert Creek Development oil well, to increase the ultimate recovery from the Ratherford Unit.

BOP equipment will be operated daily and tested weekly.

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 7/8/85
 BY: John R. Dax
 WELL SPACING: A-3 Unit Well

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: A. E. Stuart TITLE: Area Manager DATE: June 20, 1985

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

COMPANY Phillips Petroleum CO.
Ratherford Unit

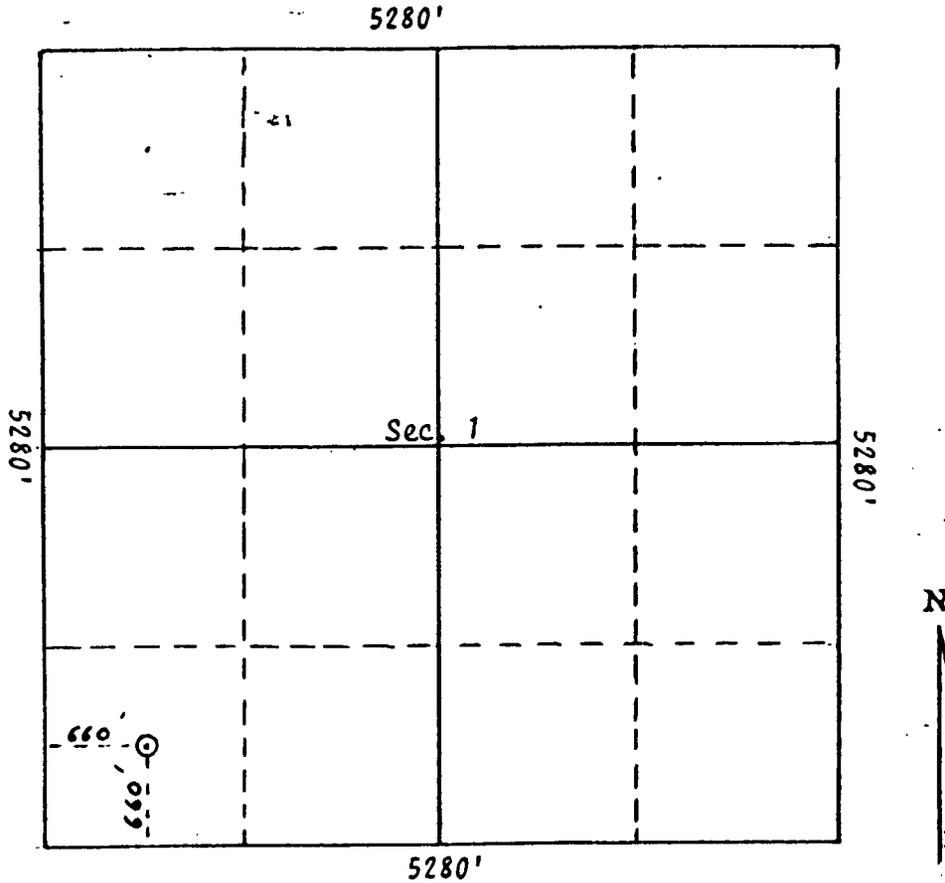
LEASE _____ WELL NO. 1-14

SEC. 1, T. 41 S., R. 23 E.

County: San Juan State: Utah

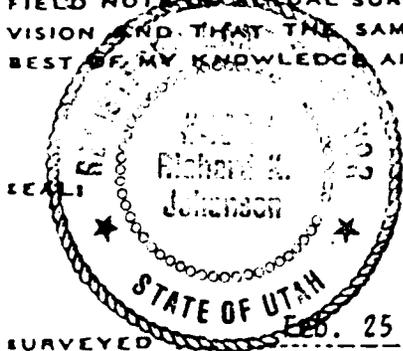
LOCATION 660' FSL. & 660' FWL.

ELEVATION 4535



SCALE—4 INCHES EQUALS 1 MILE

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



R. Johnson
 Registered Land Surveyor

SURVEYED _____ FEB. 25 _____ 85

RATHERFORD UNIT #1-14

Supplement to Form 9-331C "Application for Permit to Drill, Deepen, or Plug Back."

DRILLING PROGRAM

1. Surface formation is the Dune Sand, which consists of loose windblown sand, age-recent.

Estimated tops of geologic markers:

| | |
|-------------------------------|-------|
| Shinarump | 2190' |
| DeChelly | 2505' |
| Hermosa | 4395' |
| Desert Creek Zone I | 5371' |

2. Brackish water-bearing sands are expected in the Navajo, Wingate, and DeChelly formations. Oil is expected to be encountered in the Ismay and Desert Creek formations. The top of cement will be approximately at 2000'.

3. Blow-out preventers will be 10" Series 900 equipment to be tested initially to 3000 psi. They will be inspected and operated daily and pressure tested weekly to 1500 psi. Weekly pressure tests will be supervised by representatives of Phillips Oil Company and the drilling contractor. Tests will be recorded on the daily drilling report which will remain on the rig floor during drilling operations. BOP tests will be conducted in accordance with Phillips standards, copy attached.

4. a. Proposed Casing Program:

1. Conductor casing:

| | | | | | |
|------|---------|--------|------|------|-----|
| 100' | 13-3/8" | 48#/ft | H-40 | ST&C | new |
|------|---------|--------|------|------|-----|

2. Surface casing:

| | | | | | |
|-------|--------|--------|------|------|-----|
| 1600' | 9-5/8" | 36#/ft | K-55 | ST&C | new |
|-------|--------|--------|------|------|-----|

Surface casing will be tested to 1500# before drilling out.

3. Production casing:

| | | | | | |
|-------|----|--------------|------|------|-----|
| 5700' | 7" | 23# & 26#/ft | K-55 | ST&C | new |
|-------|----|--------------|------|------|-----|

Production casing will be tested to 3000#.

b. Proposed Cementing Program:

1. Conductor Casing:

Conductor casing will be cemented with 150 sks Class B cement. Cement will be brought to surface.

2. Surface Casing:

Surface casing will be cemented with 300 sks "light" cement followed with 300 sks Class B cement. Cement will be brought to surface.

3. Production casing:

Production casing will be cemented with "light" cement followed with Class B cement. For cement volume, caliper will be used with 15% excess. The top of the cement should be around 2000'. If other zones with hydrocarbon potential are encountered, they will be covered with cement.

c. Auxiliary Equipment:

Auxiliary equipment will include upper and lower kelly cocks, a drill string safety valve, and a pit level indicator.

5. Drilling Fluid:

Drilling fluid will be a fresh water based mud system. Spud mud is gel and water with a weight of 8.4-8.8 ppg. From the surface to approximately 1600', gel and water will be used. Mud weight may be up to 9 ppg to control water flow from the Wingate formation. A slurry of 8.6-9.5 ppg, 32-38 viscosity, and less than 15cc/30 min. water loss will be used from 1600'-5200'. Mud weight may be increased to 10.4 ppg if a water flow is encountered. From 5200' to total depth mud properties will be 10.5-12.5 ppg, 40-45 viscosity, and below 10 cc water loss.

Adequate quantities of mud materials will be stored at the location to equal the volume of the rigs complete circulating system. A flow sensor will be used.

6. Testing, logging, and coring:

The logging program will consist of DLL, MSFL, GR, SP, and Caliper from T. D. to the surface casing. A FDC/CNL and a Micro-proximity log will be run from T. D. to 4300'. A temperature or cement bond log will be run to determine cement top. It is proposed to core the Desert Creek Zone I.

7. Downhole Conditions:

Drilling in the area indicates no abnormal pressures, temperatures, or hydrogen sulfide gas.

8. Phillips anticipates starting operations in the third quarter of 1985. Drilling operations are estimated to take fifteen days per well.

CULTURAL RESOURCE REPORT

Division of Conservation Archaeology has prepared a cultural resource inventory of the subject wellsite. A copy of the report has been sent to the BLM Farmington office. Pertinent information regarding the subject well is attached.

SURFACE USE PROGRAM

1. Existing Roads

- a. Access to existing lease roads is approximately 5 miles south of Montezuma Creek, Utah.
- b. The existing roads will be maintained in the same or better condition.
- c. Refer to the attached access road map for road information.

2. Access Roads

Planned upgrading of existing access roads is shown on the attached map.

3. Location of Existing Wells.

Locations of existing wells are shown on the attached maps.

4. Production from the proposed well will be piped to Ratherford Unit Tank Battery #1, located in the SW SW Sec. 16-T41S-R24E San Juan County, Utah. The flowline will be visible from the existing lease roads. A plat of the proposed leadline is attached.

5. Water Supply

- a. The source of water to drill the subject well is from the River Booster, NE/4 Sec. 5., or from the Water Injection Plant, SE/4 Sec. 17 in T41S-R24E, San Juan County, Utah.
- b. The drilling water will be trucked from the water source to the subject well.
- c. A water supply well will not be drilled on the lease.

6. Construction Materials

- a. Only native soils will be used for construction of wellsite and the access road.
- b. Pit run rock will be used on the wellsite and access road when needed.
- c. The above materials are owned by the Navajo Tribe.

7. Waste Disposal

- a. Cuttings: Cuttings will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- b. Drilling Fluid: Drilling fluid will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- c. Garbage/Trash: All garbage and trash will be put in the burn pit. The burn pit will be fenced on four sides. After the burn pit is no longer in use, the trash and garbage will be covered with a minimum of 4 feet of fill.
- d. Salt: No salts are anticipated on this well. If salt is present, it will be disposed of in the reserve pit.
- e. Chemicals: Chemicals will be disposed of in the reserve pit.
- f. Sewage: Dry chemical toilets will be used.

8. Ancillary Facilities

No ancillary facilities are required.

9. Well Site Layout.

- a. Refer to attached Rig Layout plat
- b. There are no plans to line the reserve pit unless porous soil materials are encountered during construction.

10. Surface Reclamation Plans

- a. Construction Program: The top 8 inches of surface material will be removed and stockpiled. A cross section of the drill site showing cuts and fills is attached.
- b. Well Abandonment: All disturbed areas will be shaped to the natural topography and seeded in accordance with BLM requirements.

- c. Producing Well: Those areas not needed for production purposes will be recontoured to the surrounding topography. Seeding will be in accordance with BLM requirements.
- d. Pipelines and flowlines: Flowlines will be above ground and follow or be visible from existing roads.
- e. Rehabilitation will begin as soon as possible, considering weather and other factors, and proceed per recommendation of the BLM. The reserve pit will be reclaimed once it dries.

11. Surface Ownership: The wellsite location, access road and leadline are on the Navajo Indian Reservation. No dwellings are in the proposed drilling area.

12. Other information:

The reserve pit will be lined if needed to contain drilling fluids. The reserve pit will be fenced on three sides during drilling and on the fourth side after the rig is moved out.

13. Operator's Representative and Certification.

a. Field Representative:

A. E. Stuart
P. O. Box 2920
Casper, Wyoming 82602
307-237-3791

I hereby certify that I or persons under my direct supervision have inspected the proposed drill site and access route; and 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 Phillips Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

Date June 21, 1985


A. E. Stuart
Area Manager

RCT/lr (18)
Casper - RC

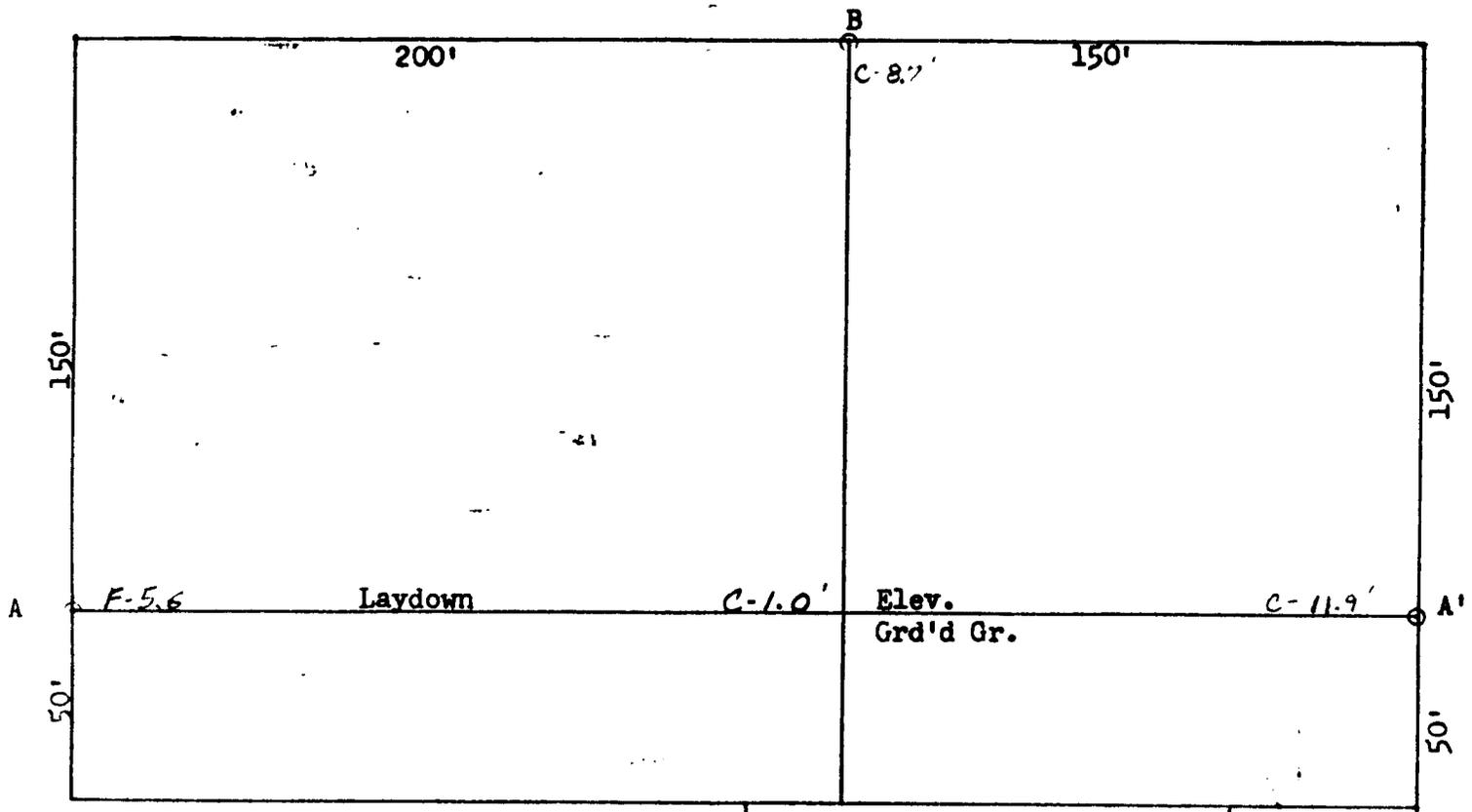
Revised
3-11-85

1-14

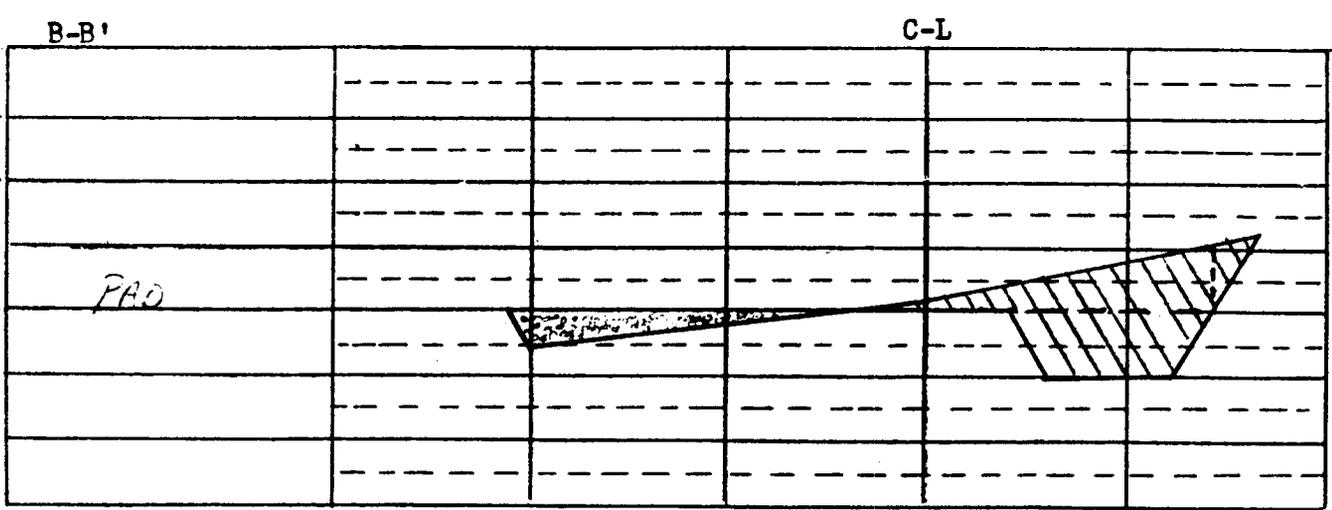
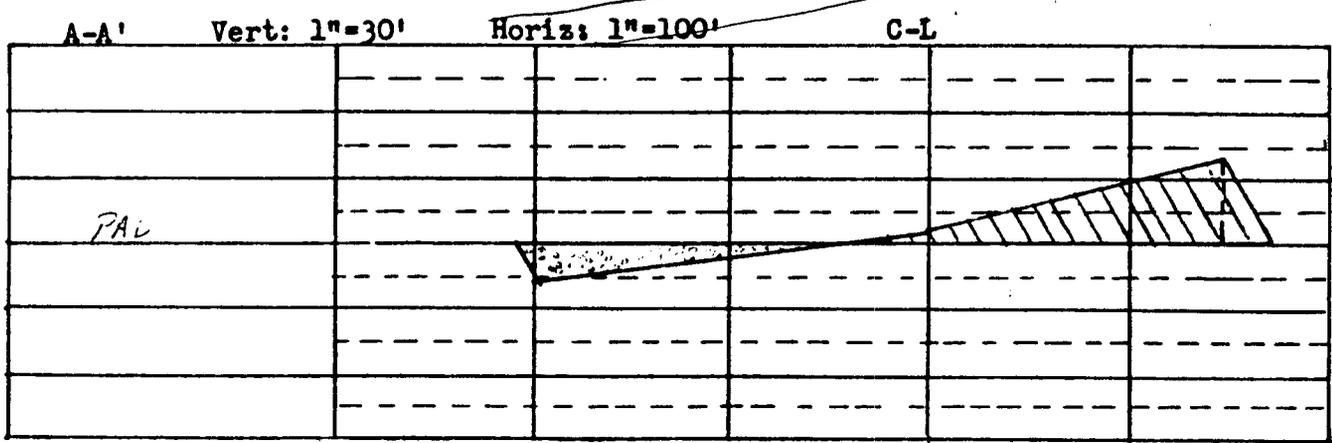
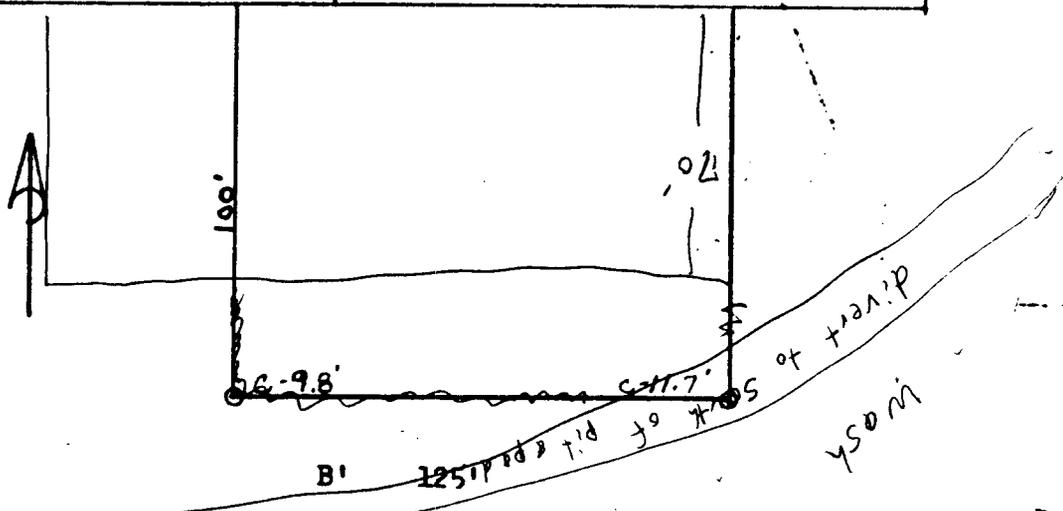
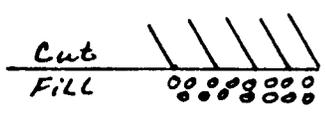
DATES
THE INTERIOR
SURVEY



Profile for
 PHILLIPS OIL COMPANY # 1-14 RATHERFORD UNIT
 SAN JUAN COUNTY, UTAH

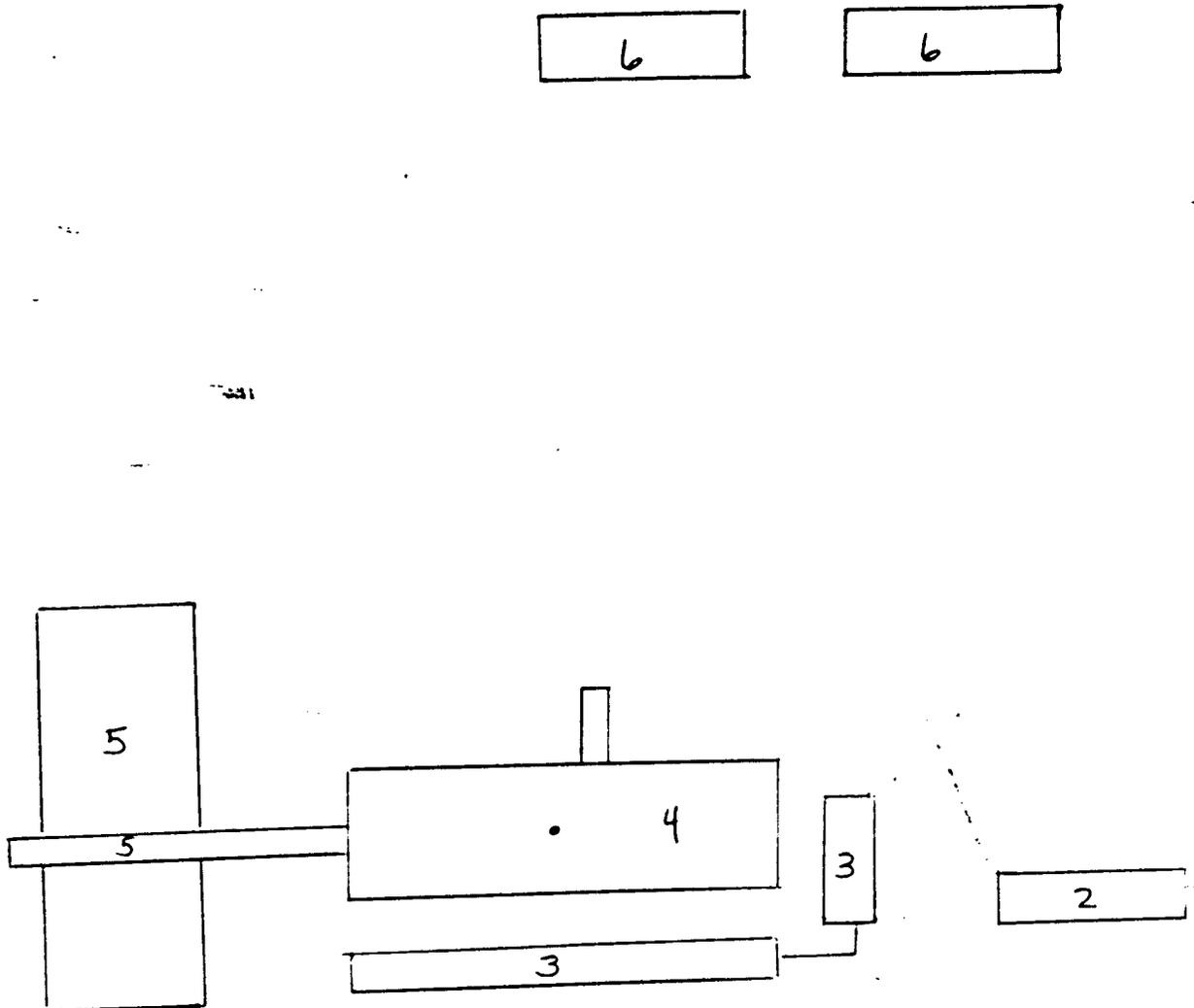


Scale: 1"=50'





Truck - ford Unit # 1-14
SWSW Sec 1 T41S-R2 E



- 1 RESERVE PIT
- 2 TRASH PIT
- 3 CIR. PITS + Pump
- 4 RIG
- 5 CAT WALK + PIPE RACKS
- 6 TRAILERS

DRILLING RIG LAYOUT

Outline of location approximately 300' x 350'

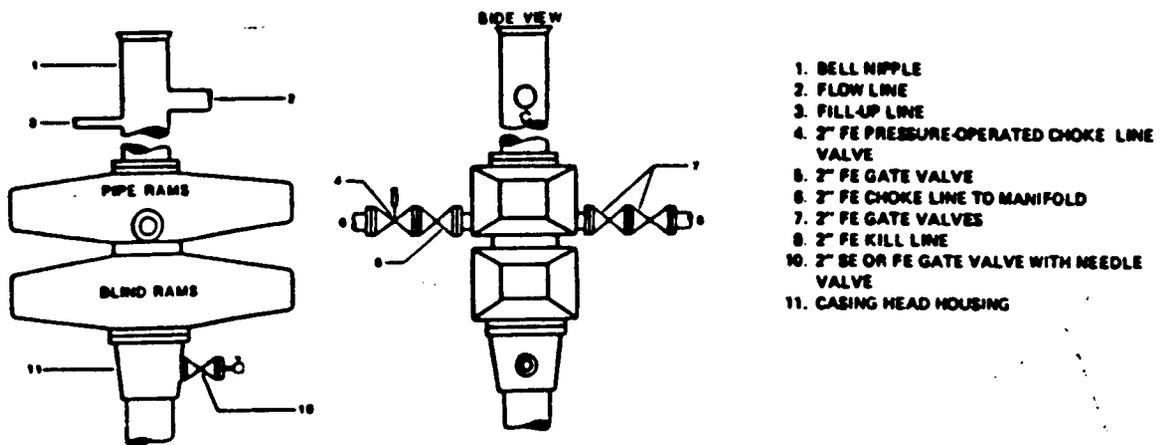


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly
 (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)

Well Control 4
 January/83

PHILLIPS PETROLEUM COMPANY



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 Section II

7.6 Testing Surface Blowout Preventer Equipment

7.6.1 Pressure Test Frequency

All rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves shall be pressure tested at the following frequencies:

- (1) Initial installation of blowout preventers.
- (2) After setting casing, before drilling cement.
- (3) Every 7 days or on first trip out of hole after 7 days since previous pressure test.
- (4) After any component of the blowout preventer assembly is disturbed, replaced or repaired (this includes lines, valves, or choke manifold). In this case, the component changed may be the only component tested.
- (5) Prior to conducting first drill stem test in a series of one or more DST's.
- (6) Any time the Phillips Wellsite Supervisor deems necessary, such as prior to drilling into suspected high pressure zones.



7.6.2 Function Test Frequency

All rams, annulars, valves, and other items specified below, shall be function tested at the following frequencies.

- (1) On initial installation from driller control and remote panel.
- (2) Each trip out of hole alternating between driller's and remote control panel but not more than once every twenty-four (24) hours. Close pipe rams or annular preventer ONLY on drill pipe.

7.6.3 Test Pressures

Use the following table to identify which test is appropriate and at what pressure.

| TEST | DESCRIPTION |
|----------------------|---|
| Low Pressure | Test to 200-300 psi prior to each high pressure test. |
| Initial Installation | <p>Test all rams, annulars, valves, choke manifold, kelly cocks, and safety valves to the lesser of the following pressures.</p> <ul style="list-style-type: none"> . Rated working pressure of the component in the blowout preventer assembly with the exception of annular preventer which is to be tested to 70% of the rated working pressure. . The API rated casing burst pressure of the last casing to be utilized in the well with the BOP assembly being tested. . Rated working pressure of the casing head. . If "Cup Tester" is used do not exceed 80% of the API rated burst pressure of the casing. |
| Repair | Repaired or replaced components are to be tested to the same pressures used in the Initial Test. |



FIELD PRACTICES AND STANDARDS

7.6.3, cont'd

| TEST | DESCRIPTION |
|---------------------------------|---|
| Weekly and After Setting Casing | <p>Test all rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves, to the lesser of the following pressures.</p> <ul style="list-style-type: none"> . 50% of the rated working pressure of the component to be tested. . 80% of the API rating of the casing burst pressure then in the well. . Test blind rams during internal casing pressure test. (Refer to drilling program for test pressures). |
| DST Operations | <p>Test all pipe rams, annular preventers, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves to the maximum anticipated surface pressure expected while conducting drill stem tests. Do not test annular to more than 70% of its working pressure.</p> |
| Shallow Casing | <p>Where cased hole is less than 2000 feet measured depth, the test pressure may be 1.5 psi per foot of casing depth, not to exceed 80% of the API rated burst pressure. In the case of shallow conductor casing or drive pipe (500 feet or less) that is equipped with one BOP, then the test pressures do not need to exceed 1.0 psi per foot of casing depth.</p> |
| Accumulator | <p>Test accumulator to the manufacturer's rated working pressure. Test the accumulator for time to pump up to specifications.</p> |

7.6.4 Blowout Preventer Test Practices

- (1) All pressure tests shall be witnessed by Phillips' Representative and the Contractor's Senior Supervisor on Location. All tests shall be recorded on the Phillips' Daily Drilling Report, the IADC Report and the BOP Test Form; see Figure 7-13. A reproducible copy of the BOP Test Form (Figure 7-13) can be found in Section III.

7.6.4, cont'd

- (2) Hold all low pressure tests for three minutes and high pressure tests for five minutes or until Phillips Representative and the Contractor's Senior Supervisor are satisfied no leaks exist.
- (3) A detail procedure for the testing of blowout preventer and choke manifold equipment will be included in the drilling programs. The procedure is to be distributed for each drilling unit under contract by the operating office. Each operating office must include the following practices:
 - a. Prior to testing, all lines and valves will be thoroughly flushed to ensure the system is clear. Test all opening and closing control lines to 1500 psi and inspect for leaks.
 - b. If necessary, run a stand of drill collars below the test plug to prevent unseating the test tool during testing.
 - c. All precautions must be taken to avoid pressuring the casing below the test tool.
 - d. The running string is to be full of water (or antifreeze solution) for immediate indication of test tool leakage.
 - e. All pipe rams, blind/shear rams, blind rams, annular preventers, valves, fail-safe valves, choke and kill lines are to be tested at the frequencies and pressures outlined in this section.
 - f. Drill pipe safety valve, lower and upper kelly cocks are to be tested from below at pressures and frequencies outlined in this section.
 - g. All test fluids are to be bled back to the pump unit in safe manner.

7.6.5 Testing Wellhead Pack-offs

The wellhead pack-off is to be pressure tested upon installation for five minutes. Test pressure is to be 80% API rated casing collapse or the rated working pressure of the casing head whichever is the lesser. Casing annulus valve(s) must be in open position to prevent casing collapse during pack-off testing.

When testing the wellhead pack-off, use recorded test pressures and volumes to determine if pack-off is leaking. Pressure should be immediately released at the first indication of a leak.



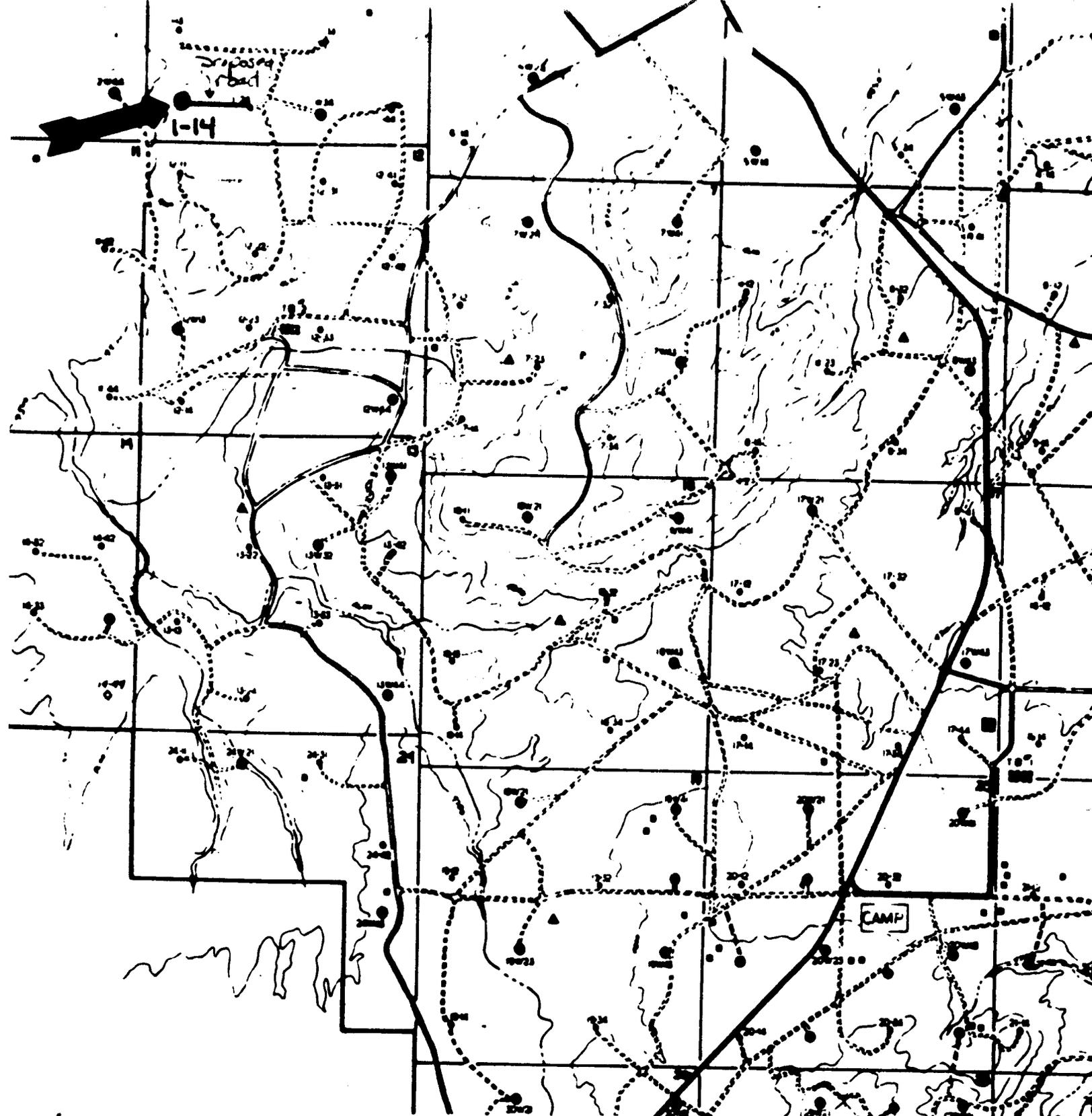
FIELD PRACTICES AND STANDARDS

7.6.6 Safety Precautions

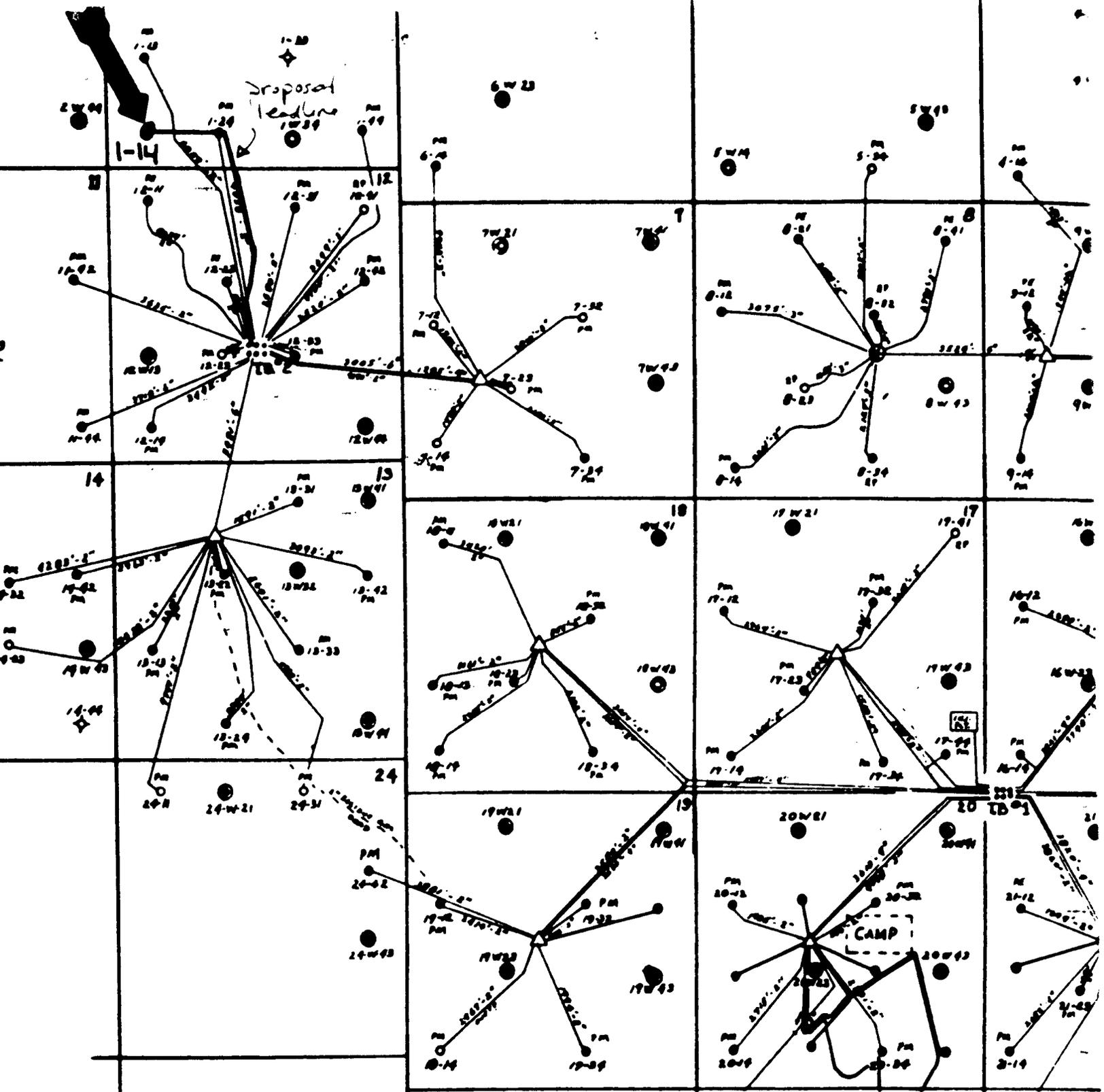
One pumping unit operator is to be stationed at the high pressure pumping unit, and is to remain at this station until all testing has been completed. The pump unit operator is to be in continuous communication with the person who is recording the test data. The Phillips Wellsite Supervisor and Contractor's Senior Supervisor on location will be the only personnel who will go into the test area to inspect for leaks when the equipment involved is under pressure. The rig crews are to stay clear of the area until such time that both the Phillips Wellsite Supervisor and the Contractor's Senior Supervisor have contacted the pumping unit operator and all three have agreed that all pressure has been released, and there is no possibility of pressure being trapped. The rig crews may then go into the area to repair leaks or work as directed.

All lines, swings, and connections that are used in the testing of the blowout preventers are to be adequately secured in place.

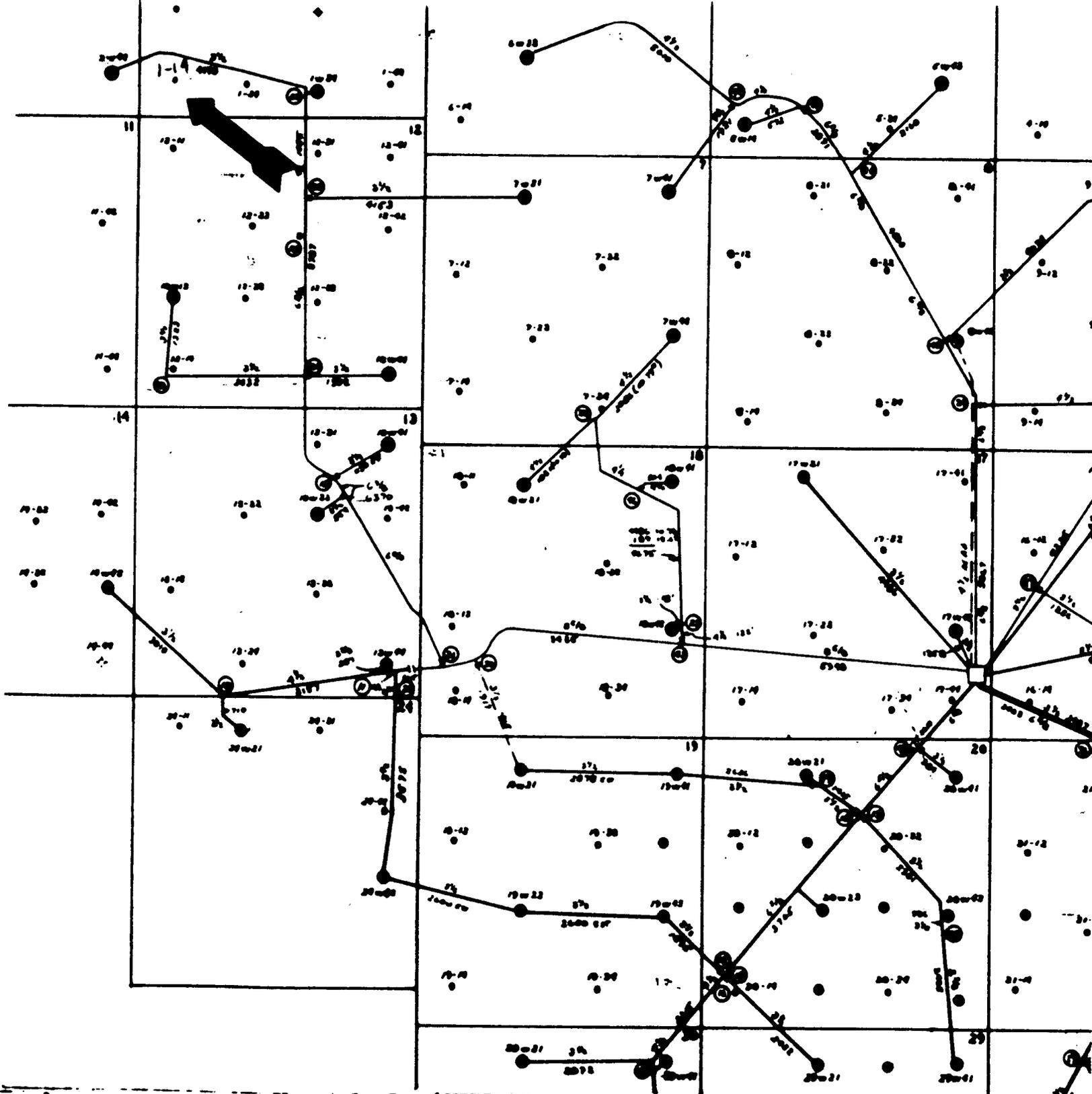
Pressure is to be released only through the pressure release lines that are vented back into the pump unit tanks. The lines are to be clamped down to direct the flow into unit tanks.



| | | | | | |
|---------------|---|---|---------|---------------------|-------|
| NO. | REVISION | BY | DATE | CHKD | APP'D |
| FOR BIDS |  PHILLIPS PETROLEUM COMPANY BARTLESVILLE, OKLAHOMA |  | JA NO. | FILE CODE | |
| FOR APPR | | | AFE NO. | SCALE 20" = 1 mi | |
| FOR CONST | | | DWG NO. | SH NO. | |
| DRAWN 1-17-85 | RATHERFORD UNIT WELL 1-14 PROPOSED ROAD PLAT SW SW SEC 1 T41S-R23E SAN JUAN CO., UTAH | | | | |
| CHECKED | | | | | |
| APP'D | | | | | |



| NO | REVISION | BY | DATE | CHKD | APP'D |
|-----------|---|---|---|----------------------|--------|
| FOR BIDS |  PHILLIPS PETROLEUM COMPANY BARTLESVILLE, OKLAHOMA |  | JA NO | FILE CODE | |
| FOR APPR | | | AFE NO | SCALE 2.2" = 1 mi | |
| FOR CONST | | | DWG NO NO | | |
| DRAWN | 1-17-85 | BJM | RATHERFORD UNIT WELL 1-14 PROPOSED LEADLINE PLAT SW SW SEC. 1 T41S-R23E SAN JUAN CO., UTAH | | SH NO. |
| CHECKED | | | | | |
| APP'D | | | | | |



| | | | | | |
|-------------------|---|---------|----------------------|------|-------|
| NO. | REVISION | BY | DATE | CHKD | APP'D |
| FOR BIDS |  PHILLIPS PETROLEUM COMPANY  BARTLESVILLE, OKLAHOMA | JA NO. | FILE CODE | | |
| FOR APPR | | AFE NO. | SCALE 2.2" = 1 mi | | |
| FOR CONST | | DWG NO. | SH '10 | | |
| DRAWN 3-30-84 BJM | RATHERFORD UNIT WELL 1-14 WATER INJECTION LINES SW SW SEC 1 T41S-R23E SAN JUAN CO., UTAH | | | | |
| CHECKED | | | | | |
| APP'D | | | | | |

Project No. 19-85-C
BIA DCA-85-187

NAO-BIA Use Authorization
No. 84-DCA-013-1 (Navajo)
Navajo Nation Permit No. 84-22

State of Utah No. U-84-3

An Archaeological Survey of
17 Well Pads and Their Access Routes
and Pipelines near White Rock Curve Village,
San Juan County, Utah

for

Phillips Petroleum Company

Ratherford Unit:

| | | |
|-------|-------|-------|
| 1-14 | 12-21 | 17-31 |
| 7-11 | 12-32 | 17-42 |
| 7-13 | 12-43 | 18-22 |
| 7-22 | 16-13 | 18-31 |
| 7-44 | 17-11 | 18-42 |
| 12-12 | 17-22 | |

by

Roger A. Moore and Timothy M. Kearns
Supervisory Archaeologists

Submitted by

Margaret A. Powers
Principal Investigator

DIVISION OF CONSERVATION ARCHAEOLOGY

Contributions to Anthropology Series, No. 963
San Juan County Archaeological Research Center and Library

April 19, 1985

ABSTRACT

On April 4-10 and 12, 1985, the Division of Conservation Archaeology of the San Juan County Museum Association completed an archaeological survey of 17 well pads and their access routes and pipeline tie-ins for Phillips Petroleum Company. The survey area is located in the Ratherford Unit, north of White Rock Curve Village, San Juan County, Utah and is under the jurisdiction of the Bureau of Indian Affairs (BIA) and the Navajo Nation. A total of 131.02 acres was surveyed.

Six archaeological sites and 34 isolated loci were found and recorded. The documentation of the isolates in the field has exhausted their research potential. Archaeological clearance is recommended with the following stipulations that 1) the revised locations for wells 7-44 and 12-12 be used; 2) the pipeline be laid within the existing bladed road within site DCA-85-13; and 3) the access road to well 18-22 follow the new flagged route which avoids site DCA-85-10.

INTRODUCTION

On April 4-6, and 19, 1985, the Division of Conservation Archaeology (DCA) of the San Juan County Museum Association conducted an archaeological survey for Phillips Petroleum Company of Cortez, Colorado. Jon Weichbrodt requested the survey on March 27, 1985 and administered the project for Phillips Petroleum Company. Margaret A. Powers administered the project for DCA.

In recognition of the limited, nonrenewable nature of archaeological remains, the federal government has enacted legislation that is designed to conserve and protect these resources. The principal legislation includes the Antiquities Act of 1906 (PL 52-209), the Historic Preservation Act of 1966 (PL 89-665), the National Environmental Policy Act of 1969 (PL 91-852), the 1971 Executive Order No. 11593, the Archaeological and Historical Conservation Act of 1974 (PL 93-291), and the Archaeological Resources Protection Act of 1979 (PL 96-95). In addition, the states of Arizona, New Mexico, Utah, and Colorado have enacted laws to ensure compliance with federal legislation and to protect archaeological resources within their jurisdiction. Work undertaken in the course of this project is intended to comply with these statutes and is governed by the stipulations of NAO-BIA Use Authorization No. 84-DCA-013-1, Navajo Nation Permit No. 84-22, and State of Utah Permit No. U-84-3.

Roger A. Moore and Timothy M. Kearns, DCA archaeologists, surveyed the project area for cultural remains. Anthony Klesert (Coordinator of the Navajo Nation Cultural Resource Management Program) and Mark Henderson (Bureau of Indian Affairs Navajo Area Archaeologist) were notified of the survey schedule before fieldwork began. Jon Weichbrodt of Phillips Petroleum Company accompanied the archaeologists during part of the fieldwork.

METHODS

The area was surveyed by walking parallel transects 15m apart across the well pads, and a single zigzag transect along the access routes and pipeline right-of-ways. A buffer zone 50 to 100 ft wide (depending on amount of cut and fill for a pad) was included in well surveys, and 20 ft was added to each side of the access routes and pipeline right-of-ways. The archaeologists recorded all cultural remains. Those whose information potential exceeded what could be extracted during the survey phase were assigned site status. Other cultural remains were documented as isolated loci (IL). Pertinent environmental data were also recorded.

In addition to field inspection, the archaeologists conducted a search of the records at the Division of Conservation Archaeology, San Juan College, and the Utah Division of State History to determine if any sites had been recorded in the project area. Site and project records required by the BIA and the Utah Division of State History were completed.

GENERAL DISCUSSION

The areas surveyed are within the Phillips Petroleum Company Ratherford Unit on and around Flat Top Mountain, north of White Rock Curve Village, San Juan County, Utah. Table 1 contains the legal descriptions; Table 2 defines the areas surveyed. The legal descriptions of the project areas are referenced to the Salt Lake City Meridian; the project areas are on the USGS 7.5' Aneth 3 NE, Utah (Blue-line) (1962) quadrangle map. The map showing all the well locations and right-of-ways is Figure 1. The legal descriptions and artifact descriptions for the isolated loci are in Table 3.

In the discussion of well pads, access, and pipeline right-of-ways the term "access route" will refer to the route to be constructed between the well pad and an existing bladed or paved road. The term "route" is used because it is just that, a proposed route, not an existing road. Unless otherwise stated, the pipeline will follow the same right-of-way from the pad as the access route. The term "road" refers to an existing feature.

Topography

Flat Top Mountain is a large mesa rising above the San Juan Valley south of the San Juan River. It is surrounded by a gently sloping upland valley. This part of the valley resembles a broad bench of a mesa; most of it is covered by stable and semistable dune fields and cut by several deep washes. The principal washes traversing the project area are Blue Hogan Wash and Desert Creek.

The top of Flat Top Mountain is capped by the Brushy Basin Member of the Morrison Formation. A gray to light gray-green chert and a silty chert occurs on this surface. The base of Flat Top Mountain is composed of the Westwater Canyon Member of the Morrison Formation. The surface bedrock of the upland valley surrounding the mountain consists of the Recapture Member of the Morrison Formation. This member is made of "reddish-gray, white, and brown fine- to medium-grained sandstone characterized by dark- and light-colored grains; interbedded reddish-gray siltstone and mudstone" (Haynes, et al. 1972).

Vegetation

The vegetation on Flat Top Mountain is a shadscale community which varies in density from 10-35 percent ground cover. Vegetation includes shadscale (*Atriplex confertifolia*), snakeweed (*Gutierrezia sarothrae*), Indian ricegrass (*Oryzopsis hymenoides*), prickly pear cactus (*Opuntia* sp.), and fishhook cactus (*Mamillaria* sp.).

The dune field below Flat Top Mountain is covered principally by a desert scrub community. This community is dominated by one or more of the following: two-scale Mormon tea (*Ephedra viridis*), narrowleaf yucca (*Yucca angustissima*), snakeweed, rabbitbrush (*Chrysothamnus nauseosus*), or Indian ricegrass. Other plants common to this community include galleta grass (*Hilaria jamesii*), prickly pear cactus, barrel cactus (*Ferocactus* sp.), and wolfberry (*Lycium* sp.). The ground cover varies from 5 to 25 percent.

Table 1
Legal Description for Well Pads

| Well Pad No. | AFE # | LEGAL DESCRIPTION | | | | | | | UTM COORDINATES | | | | | |
|--------------|----------|-------------------|-----|------|-------|-------|-----|--------------------|-----------------|---------|--------------------------------|----------|---------|--|
| | | T | R | Sec. | 1/4 | 1/4 | 1/4 | Center of Well Pad | | | End of Access route (pipeline) | | | |
| | | | | | | | | Zone | Northing | Easting | Zone | Northing | Easting | |
| 1-14 | POC-R259 | 41S | 23E | 1 | | SW | SW | 12 | 4123375 | 646550 | 12 | 4122960 | 646600 | |
| | | 41S | 23E | 12 | N 1/2 | NW | NW | | | | | | | |
| 7-11 | POC-R258 | 41S | 24E | 7 | E 1/2 | W 1/2 | NW | 12 | 4122800 | 648200 | 12 | 4122800 | 648000 | |
| | | | | | S 1/2 | NE | NW | | | | | (4122025 | 648200) | |
| | | | | | NE | SE | NW | | | | | | | |
| | | | | | W 1/2 | SW | NE | | | | | | | |
| 7-13 | POC-R257 | 41S | 24E | 7 | N 1/2 | NW | SW | 12 | 412075 | 648200 | 12 | (4122025 | 648500) | |
| | | | | | W 1/2 | NE | SW | | | | | | | |
| 7-22 | POC-R256 | 41S | 24E | 7 | CT | SE | NW | 12 | 4122450 | 648600 | 12 | 4121975 | 648575 | |
| | | | | | W 1/2 | SE | NW | | | | | (4122025 | 648500) | |
| | | | | | W 1/2 | NE | SW | | | | | | | |
| 7-44 | POC-R253 | 41S | 24E | * | | SE | SE | 12 | 4121625 | 649475 | 12 | (4122025 | 648500) | |
| | | | | | SW | NE | SE | | | | | | | |
| | | | | | S 1/2 | NW | SE | | | | | | | |
| 12-12 | POC-R252 | 41S | 23E | 12 | N 1/2 | SW | NW | 12 | 4122650 | 646560 | 12 | 4122300 | 646575 | |
| | | | | | | SE | NW | | | | | (4122450 | 647150) | |
| | | | | | NE | NE | SW | | | | | | | |
| 12-21 | POC-R251 | 41S | 23E | 12 | | NE | NW | 12 | 4122975 | 646940 | 12 | 4122900 | 647150 | |
| | | | | | E 1/2 | SE | NW | | | | | (4122450 | 647150) | |
| | | | | | NE | NE | SW | | | | | | | |
| 12-32 | POC-R250 | 41S | 23E | 12 | NE | SW | NE | 12 | 4122650 | 647450 | 12 | 4122775 | 647375 | |
| | | | | | NW | SW | NE | | | | | (4122450 | 647150) | |
| | | | | | E 1/2 | SE | NW | | | | | | | |
| | | | | | NE | NE | SE | | | | | | | |

Table 2
Area Surveyed

| Well Pad No. | AFE # | Footages for Well | Well Pad ¹ | Access Route ¹ | Pipeline ¹ | Acres |
|--------------|----------|---------------------------|------------------------------|---|------------------------------|-------|
| 1-14 | POC-R259 | 660' F/SL 660' F/WL | 300' x 350' (400' x 450') | 1600' x 20' (1600' x 60') | 900' x 20' (900' x 60') | 7.58 |
| 7-11 | POC-R258 | 660' F/NL 710' F/WL | 300' x 350' (400' x 450') | 600' x 20' 400' x 20' (1000' x 60') | 3400' x 20' (3400' x 60') | 10.19 |
| 7-13 | POC-R257 | 2110' F/SL 740' F/WL | 300' x 350' (400' x 450') | ---- | 1000' x 20' (1000' x 60') | 5.51 |
| 7-22 | POC-R256 | 1980' F/NL* 1990' F/WL | 300' x 350' (450' x 450') | 1350' x 20' (1350' x 60') | 100' x 20' (100' x 60') | 6.66 |
| 7-44 | POC-R253 | 625' F/SL* 560' F/EL | 300' x 350' (500' x 500') | ---- | 4000' x 20' (4000' x 60') | 11.25 |
| 12-12 | POC-R252 | 1850' F/NL 660' F/WL | 300' x 350' (450' x 550') | 50' x 20' (50' x 60') | 2000' x 20' (2000' x 60') | 8.51 |
| 12-21 | POC-R251 | 660' F/NL 1980' F/WL | 300' x 350' (400' x 450') | 400' x 20' (400' x 60') | 2300' x 20' (2300' x 60') | 7.85 |
| 12-32 | POC-R250 | 1820' F/NL 1820' F/EL | 300' x 350' (450' x 450') | 300' x 20' (300' x 60') | 700' x 20' (700' x 60') | 6.03 |
| 12-43 | POC-R249 | 2100' F/SL 660' F/EL | 300' x 350' (400' x 450') | ---- | 3000' x 20' (3000' x 60') | 8.27 |
| 16-13 | POC-R248 | 1980' F/SL 660' F/WL | 300' x 350' (400' x 450') | 230' x 20' (230' x 60') | 2400' x 20' (2400' x 60') | 7.76 |
| 17-11 | POC-R247 | 1075' F/NL 800' F/WL | 300' x 350' (400' x 450') | 400' x 20' (400' x 60') | 3100' x 20' (3100' x 60') | 8.95 |

Table 3
Isolated Loci Descriptions

| IL No. | Well No. | LEGAL DESCRIPTION | | | | UTM | | Description |
|--------|----------|-------------------|-----|------|------|----------|---------|---|
| | | T | R | Sec. | Zone | Northing | Easting | |
| 1 | 1-14 | 41S | 23E | 1 | 12 | 4123375 | 646525 | One gray quartzite multidirectional core; 14 x 12.5 x 9cm. |
| 2 | 1-14 | 41S | 23E | 1 | 12 | 4123400 | 646525 | One chert tertiary core reduction flake, completely covered by desert varnish; 7cm long, 5cm wide, 2.5cm thick. |
| 3 | 1-14 | 41S | 23E | 1 | 12 | 4123100 | 646600 | Historic dump: one early 1950s Chevrolet 4-door sedan, two 2.5-gallon gas cans, five rusted Coors cans (opened with church key), steel cable, three Dr. Pepper bottles, one pair of rubber boots (size 9), three 1-qt metal oil cans. |
| 4 | 7-13 | 41S | 24E | 7 | 12 | 4122100 | 648250 | About 40 pieces of scrap iron (pipe, angular chunks and angle iron). |
| 5 | 7-13 | 41S | 24E | 7 | 12 | 4122095 | 648225 | One white chalcedony biface fragment 3cm long, 2.2cm wide, 0.6cm thick. |
| 6 | 7-22 | 41S | 24E | 7 | 12 | 4122465 | 648610 | One core, one core fragment, six flakes; core fragment and flakes all from this core. Material: desert varnish to reddish tan cortex, tan banding just under cortex, interior is light greenish gray chert. Flakes: three large secondary core reduction and three large tertiary core reduction. |

PROJECT DESCRIPTIONS

Well 1-14

The proposed well pad is on the edge of a broad bench above the east bank of Desert Creek. Most of the west half of the pad is on slickrock. The east half is covered by decomposing bedrock and a thin sandy soil. A scrubland community provides about 10 percent cover.

From the northeast side of the pad, the access route goes east about 300 ft, then south along the inside edge of the bench to well 12-11. The pipeline continues southeast and east to where it ties into the pipeline to well 12-12, and follows that right-of-way to the satellite in Section 12.

Cultural Resources: Three isolated loci were found (Table 3). IL 1 (a core) and 2 (a flake) were found on the well pad. IL 3, an historic trash dump just east of the access route, probably dates from the early 1960s. The research potential of the isolated loci has been exhausted by field recording.

Recommendations: Archaeological clearance is recommended.

Well 7-11

The proposed well pad is covered by a series of dune-capped ridges separated by deep washes and shallow drainages. It is located in the dune field just west of Flat Top Mountain. From the west side of the pad the access route and pipeline runs west-southwest 500 ft to the bladed road. It follows the east side of the bladed road south to well 7-13, then follows the 7-13 pipeline right-of-way east to the satellite in Section 7. The route the surveyors used to drive to the well pad when they staked it (from northwest of pad) was also surveyed (400 ft).

Cultural Resources: No sites or isolated loci were found.

Recommendations: Archaeological clearance is recommended.

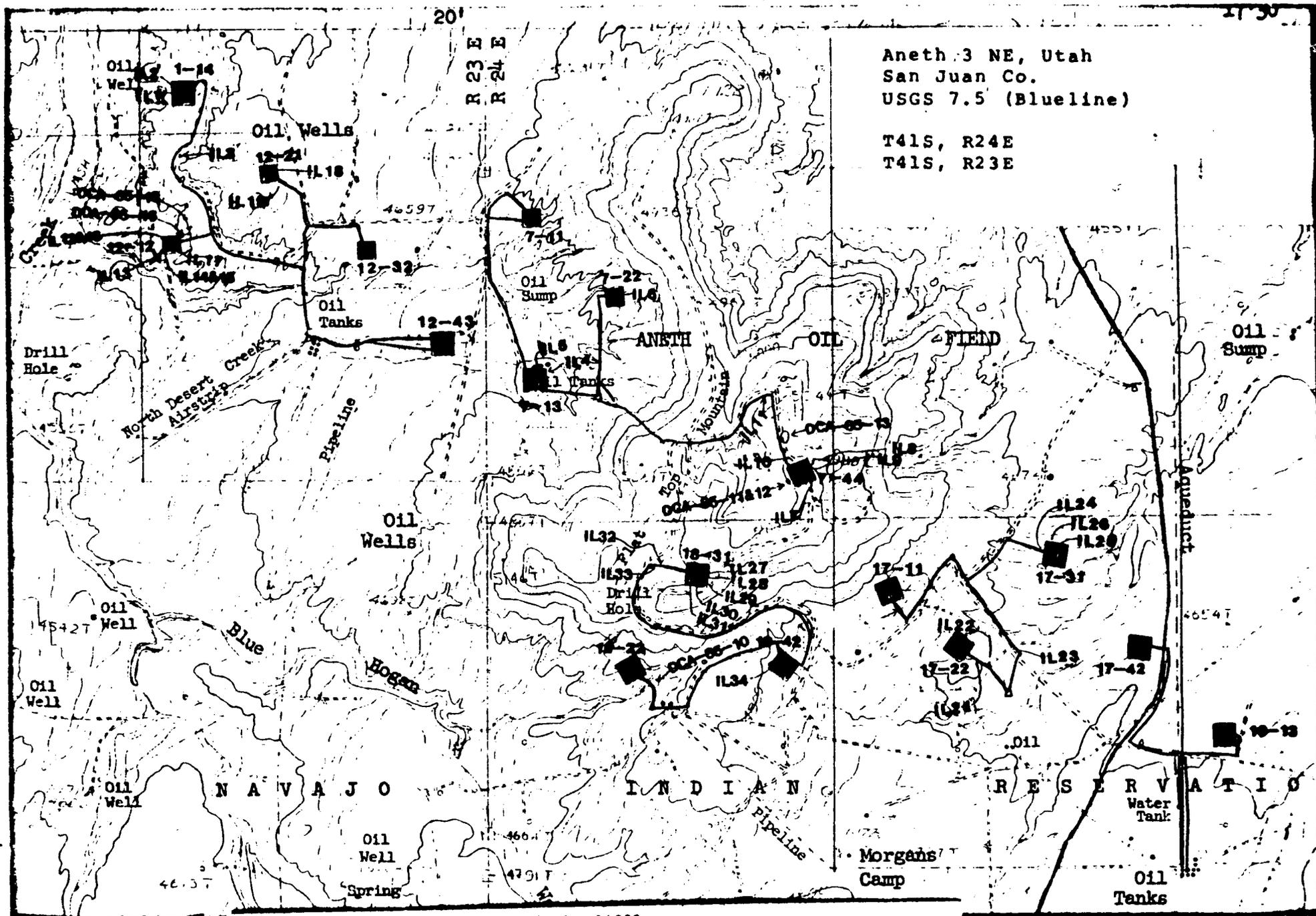
Well 7-13

The proposed well pad is in the broad upland valley just west of Flat Top Mountain. Bordered on the south and west by bladed dirt roads, the pad is covered by the semistable sand dune field. The tank battery shown on the quad map at this location no longer exists. Access will be by a bladed road that runs along the south side of the pad. The pipeline right-of-way leaves the southeast corner of the pad and parallels the north side of the bladed road east to the Section 7 satellite.

Cultural Resources: Two isolated loci were found. IL 4 is scraped iron from an abandoned well pad just north and northeast of well 7-13. IL 5 is a biface (Table 3).

Recommendations: Archaeological clearance is recommended.

FIGURE 1



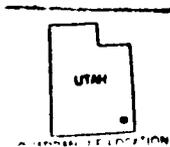
SCALE 1:24 000

1 MILE

0 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 20 FEET



22



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 8, 1985

Phillips Oil Company
P. O. Box 2920
Casper, Wyoming 82602

Gentlemen:

Re: Well No. Ratherford Unit 7-11 - NW NW Sec. 7, T. 41S, R. 24E
660' FNL, 710' FWL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Phillips Oil Company
Well no. Ratherford Unit 7-11
July 8, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31163.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs

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

SUBJECT TO TRIPLE-DATE
(Other Instructions
Form 3160)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | |
|--|--|
| <p>1. KIND OF WELL <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Phillips Oil Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2920 Casper, WY 82602</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL, 660' FWL Sec. 1-T41S-R23E</p> <p>14. PERMIT NO.</p> <p>15. ELEVATION (Show whether of, to, or, etc.) 4535' GR</p> | <p>5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-246A</p> <p>6. IF SHOWN, ALLOTTEE OR TRACT NAME Navajo</p> <p>7. WELL IDENTIFICATION NAME SW-I-4192</p> <p>8. NAME OF LEASE NAME Ratherford Unit</p> <p>9. WELL NO. 1-14</p> <p>10. FIELD AND FOOT, OR WILDCAT Greater Aneth</p> <p>11. SEC., T., R., E., OR NE. AND SECT. OR AREA Sec. 1-T41S-R23E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p> |
|--|--|

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

| | |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | FILL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> |
| SHOOT OR ACIDISE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| (Other) Amend APD | <input checked="" type="checkbox"/> |

SUBSEQUENT REPORT OF:

| | |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDISING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| (Other) | |

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

17. 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 space pertinent to this work.)

Your letter of July 3, 1985 notes the APD for this well is deficient as follows:

1) The cement volume is given in "sx" not cubic feet. Below are the appropriate cement volumes:

| | | |
|----------------|---------|-------------|
| 13-3/8" Casing | 150 sx | 175 cu ft. |
| 9-5/8" Casing | 600 sx | 1000 cu ft. |
| 7" Casing | 1000 sx | 1500 cu ft. |

2) Compliance office approval has not been received; We have contacted the compliance office requesting a copy of the approval letter be forwarded to you.

- 5- BLM
- 2- Utah O&G Salt Lake City
- 1- P. Adamson
- 1- J. R. Weichbrodt
- 1- C. M. Anderson
- 1- L. Williamson
- 1- File

RECEIVED

JUL 12 1985

DIVISION OF OIL
GAS & MINING

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

DATE: 7/15/85
BY: John R. Day

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

SIGNED A. E. Stuart TITLE Area Manager DATE July 8, 1985

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action
is required before commencing
operations

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OCT 21 1985

DIVISION OF DRILLING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Phillips Petroleum Company (Attn: RMR Drlg)

3. ADDRESS OF OPERATOR
8055 E. Tufts Ave. Pkwy., Denver, CO 80237

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FSL, 660' FWL (SW/SW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
14-20-603-246A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
1-14

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 1-T41S-R23E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-31162

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4535' ungraded ground

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
|--------------------------|--------------------------|-----------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) | <input type="checkbox"/> | | <input type="checkbox"/> |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)*

Drilled 18" conductor hole to 121' G.L. on 10-4-85. Ran 120' 13-3/8" 54.5# K-55 Butt casing. Set at 132' RKB, cemented with 177 cu.ft. (150 sx) Class "B" cement to surface.

Spudded well 10-14-85 with Energy Search Drilling Rig #2. Drilled 12-1/4" hole to 1598'. Ran 9-5/8" 36# K-55 ST&C casing, set at 1598'. Cemented with 731 cu.ft. (395 sx) Howco Light cement; tailed with 354 cu.ft. (300 sx) Class "B" cement. Circulated to surface. Job complete 10-16-85.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [Signature] TITLE Drilling Manager DATE October 16, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- | | |
|-----------------------|-----------------------------------|
| 6-BLM, Farmington, NM | 1-Chevron USA, Inc. |
| 2-Utah O&GCC, SLC | 1-Texaco, Inc. |
| 1-Well File (RC) | 1-Shell Oil Co. |
| 1-Casper Office | *See Instructions on Reverse Side |
| 1-J. Weichbrodt | 1-Mobil Oil Corp. |

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

NOV 12 1985

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Phillips Petroleum Company (Attn: RMR Drlg)

3. ADDRESS OF OPERATOR
8055 E. Tufts Ave. Pkwy, Denver, CO 80237

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FSL, 660' FWL (SW/SW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
14-20-603-246A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
#1-14

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 1, T41S, R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-31162

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4535' ungraded ground

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| | | | |
|--------------------------|--------------------------|-----------------------|--------------------------|
| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
| TEST WATER SHUT-OFF | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) | <input type="checkbox"/> | | <input type="checkbox"/> |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)*

Drilled 8-3/4" hole to 5486'. Ran 5464' 7" 38# SS-95 LT&C casing, set at 5476.75'. Cemented with 1122 cu.ft. (550 sx) Class B Howco Light; tailed with 370 cu.ft. (300 sx) Class B w/18% salt. Pressure tested casing to 1500 psi. Job complete 10-30-85. Plug back total depth 5442'.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED *Richard Beck* TITLE Drilling Manager DATE November 8, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 6-BLM, Farmington, NM
- 2-Utah O&GCC, SLC
- 1-Well File (RC)
- 1-Casper Office
- 1-J. Weichbrodt
- 1-Chevron USA, Inc.
- 1-Texaco, Inc.
- 1-Shell Oil Co.
- 1-Mobil Oil Corp.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

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

(Other In-
formation on
Reverse Side)

5. NAME DESIGNATION AND SERIAL NO.
14-20-603-246A **13**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
#1-14

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 1-T41S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: III. WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REMVR.

RECEIVED

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 2920, Casper, Wyoming 82602

JAN 14 1986

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 600' FSL & 660' FWL, SW SW
At top prod. interval reported below
At total depth

DIVISION OF OIL
GAS & MINING

14. PERMIT NO. --- DATE ISSUED 7-8-85

15. DATE SPUNDED 10/14/85
16. DATE T.D. REACHED 10/29/85
17. DATE COMPL. (Ready to prod.) 12/7/85
18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* GR 4528', RKB 4540'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5486'
21. PLUG BACK T.D., MD & TVD 5470'
22. IF MULTIPLE COMPL. HOW MANY* ---
23. INTERVALS DRILLED BY ROTARY TOOLS 0 - 5486' CABLE TOOLS ---

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5412' - 5456' Desert Creek Zone I

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CDL-DSN-GR, Dual Guard-Foxro, Contact Caliper **CCB**

27. WAS WELL CORED
Yes

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" | 54.5# | 132' | 17-1/2" | 177 cu.ft. Class "B" | --- |
| 9-5/8" | 36# | 1598' | 12-1/4" | 1085 cu.ft. Class "B" | --- |
| 7" | 38# | 5477' | 8-3/4" | 1492 cu.ft. Class "B" | --- |

LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
| --- | --- | --- | --- | --- |

TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------------|-----------------|
| 2-7/8" | 5266' | --- |

31. PERFORATION RECORD (Interval, size and number)
5456-5442', 2 SPF, 4" HSC Gun, 28 holes
5430-5412', 2 SPF, 4" HSC Gun, 36 holes

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|---|
| 5412-5456' | Break down each ft of perfs w/50 gal 28% HCL Acid. Acidized entire interval w/3200 gal 28% HCL containing 2 gal/1000 F-801 fines suspender, 3 gal/1000 W-802 non-emulsifier |

PRODUCTION CONTINUED ON BACK

| 33.* DATE FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | | WELL STATUS (Producing or shut-in) | | |
|----------------------------|-----------------|--|-------------------------|----------|------------|------------------------------------|---------------|--|
| 12/7/85 | | Pumping 2-1/2" x 1-1/2" x 18' | | | | Producing | | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO | |
| 1/8/86 | 24 | --- | --- | 87 | 61 | 94 | 700 | |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) | | |
| --- | --- | --- | 87 | 61 | 94 | 40.0 | | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

35. LIST OF ATTACHMENTS
None

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

SIGNED D. C. Gill TITLE Area Manager DATE January 10, 1986

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

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

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):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | TOP | |
|---|------|--------|-----------------------------|--|--------------------------------------|
| | | | | NAME | MEAS. DEPTH |
| | | | | TRUE VERT. DEPTH | |
| ACID TREATMENT Continued - | | | | | |
| 1 gal/1000 A-250 corrosion inhibitor and 6 gal/1000 U-42 iron agent. Used 90 ball sealers as divertant. | | | | | |
| CORE #1 | 5371 | 5431 | Cut and Recovered 60' | Shinarump DeChelly Hermosa Ismay Desert Creek Zone I | 2170 2481 4406 5240 5406 |
| CORE #2 | 5431 | 5480 | Cut and Recovered 49'. | | |
| Distribution: | | | | | |
| 4 - BLM, Farmington, NM | | | | | |
| 2 - Utah O&G CC, Salt Lake City, UT | | | | | |
| 1 - The Navajo Nation, Window Rock, AZ | | | | | |
| 1 - R. Ewing, B'Ville | | | | | |
| 1 - L. R. Williamson r) G. W. Berk, Denver | | | | | |
| 1 - T. L. Carten r) P. Bertuzzi, Denver | | | | | |
| 1 - D. L. Kennedy, Denver | | | | | |
| 1 - J. B. Lindemoor, Denver | | | | | |
| 16 - W. I. Owners | | | | | |
| 1 - J. R. Weichbrodt | | | | | |
| 1 - File RC | | | | | |

38. GEOLOGIC MARKERS

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,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

RECEIVED

AUG 16 1993

ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MINING

AMENDED REPORT (Highlight Changes)

| Well Name API Number | Entity | Location | Producing Zone | Well Status | Days Oper | Production Volumes | | |
|-------------------------|--------|------------|-------------------|----------------|--------------|--------------------|----------|------------|
| | | | | | | OIL(BBL) | GAS(MCF) | WATER(BBL) |
| #21-23 4303713754 | 06280 | 41S 24E 21 | DSCR | POW | 29 | 1374 | 883 | 58 |
| #3-44 4303715031 | 06280 | 41S 24E 3 | DSCR | POW | 30 | 111 | 94 | 2905 |
| #3-14 4303715124 | 06280 | 41S 24E 3 | DSCR | POW | 30 | 67 | 23 | 302 |
| #9-12 4303715126 | 06280 | 41S 24E 9 | DSCR | POW | 30 | 112 | 654 | 17363 |
| #9-14 4303715127 | 06280 | 41S 24E 9 | DSCR | POW | 30 | 201 | 315 | 423 |
| #28-12 4303715336 | 06280 | 41S 24E 28 | PRDX | POW | 29 | 112 | 47 | 2428 |
| #29-12 4303715337 | 06280 | 41S 24E 29 | PRDX | POW | 29 | 56 | 0 | 672 |
| #29-32 4303715339 | 06280 | 41S 24E 29 | DSCR | POW | 29 | 1402 | 287 | 2224 |
| #29-34 4303715340 | 06280 | 41S 24E 29 | DSCR | POW | 29 | 757 | 48 | 0 |
| #30-32 4303715342 | 06280 | 41S 24E 30 | DSCR | POW | 29 | 588 | 1049 | 3744 |
| #3-12 4303715620 | 06280 | 41S 24E 3 | DSCR | POW | 30 | 268 | 11 | 363 |
| #9-34 4303715711 | 06280 | 41S 24E 9 | DSCR | POW | 30 | 45 | 46 | 9800 |
| #10-12 4303715712 | 06280 | 41S 24E 10 | DSCR | POW | 30 | 45 | 23 | 1088 |
| TOTALS | | | | | | 5138 | 3480 | 41370 |

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box 633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

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

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L.B. Sheffield
 BRIAN BERRY
 M E P N A MOBIL
 POB 249031 1807A RENTWYR P.O. DRAWER 6
 DALLAS TX 75221-9031 CORTEZ, Co. 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT (Highlight Changes)

**931006 updated. fe*

| ENTITY NUMBER | PRODUCT | GRAVITY | BEGINNING INVENTORY | VOLUME PRODUCED | DISPOSITIONS | | | | ENDING INVENTORY |
|---------------|---------|---------|---------------------|-----------------|--------------|--------------|---------------|-------|------------------|
| | | BTU | | | TRANSPORTED | USED ON SITE | FLARED/VENTED | OTHER | |
| 05980 | OIL | | | 177609 | 177609 | 0 | | | |
| | GAS | | | 72101 | 66216 | 5885 | | | |
| 11174 | OIL | | | | | | | | |
| | GAS | | | | | | | | |
| | OIL | | | | | | | | |
| | GAS | | | | | | | | |
| | OIL | | | | | | | | |
| | GAS | | | | | | | | |
| | OIL | | | | | | | | |
| | GAS | | | | | | | | |
| | OIL | | | | | | | | |
| | GAS | | | | | | | | |
| | OIL | | | | | | | | |
| | GAS | | | | | | | | |
| TOTALS | | | | | 249710 | 243825 | 5885 | | |

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 SEP 13 1993
 DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. Mobil ~~ASO~~ PRODUCTION REPORTS will be compiled and sent from the Cortez, Co. Office IN THE FUTURE.*

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

Name and Signature: *Lwell B Sheffield*

Date: 9/5/93
 Telephone Number: 303 565 2212
244 658 2528

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

| | | |
|---|--|--|
| <p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p> | | <p>3. LEASE DESIGNATION & SERIAL NO.</p> |
| <p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> | | <p>6. IF INDIAN ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL</p> |
| <p>2. NAME OF OPERATOR MOBIL OIL CORPORATION</p> | | <p>7. UNIT AGREEMENT NAME RATHERFORD UNIT</p> |
| <p>3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702</p> | | <p>8. FARM OR LEASE NAME</p> |
| <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone</p> | | <p>9. WELL NO.</p> |
| <p>14. API NO.</p> | | <p>10. FIELD AND POOL, OR WILDCAT GREATER ANETH</p> |
| <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p> | | <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</p> |
| <p>12. COUNTY SAN JUAN</p> | | <p>13. STATE UTAH</p> |

RECEIVED

SEP 15 1993

DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: | | | | | | | | | | | | | | | | | | |
|---|---|---|---|--|---|----------------------------------|--------------------------------------|---------------------------------------|----------------------------------|--|---|---|---|---|--|--|---------------------------------------|--|--|
| <table style="width:100%;"> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table> | TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON <input type="checkbox"/> | REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <input type="checkbox"/> | | <table style="width:100%;"> <tr> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/></td> <td></td> </tr> </table> <p>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> | (Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/> | |
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| (Other) <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | |
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| (Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | |
| APPROX. DATE WORK WILL START _____ | DATE OF COMPLETION _____ | | | | | | | | | | | | | | | | | | |

17. 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.)

* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT. ATTACHED ARE THE INDIVIDUAL WELLS.

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

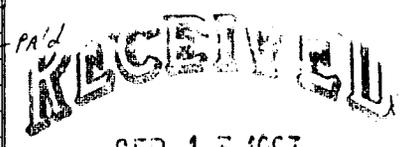
SIGNED Shirley Todd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

| WELL # | API# | LEASE # | SEC., T, R | LOCATION OF WELL |
|--------|--------------|----------------|---------------------|--------------------------|
| 01W-13 | 43-037-15838 | 14-20-603-246A | SEC. 1, T41S, R23E | NW/SW 1980 FSL; 660 FWL |
| *01-14 | 43-037-31162 | 14-20-603-246A | SEC. 1, T41S, R23E | SW/SW 660 FSL; 660 FWL |
| 01W-24 | 43-037-15939 | 14-20-603-246 | SEC. 1, T41S, R23E | SE/SW 651 FSL; 3300 FEL |
| 01-34 | 43-037-16385 | 14-20-603-246A | SEC. 1, T41S, R23E | SW/SE 4147 FNL; 1980 FEL |
| 01W-44 | 43-037-15840 | 14-20-603-246A | SEC. 1, T41S, R23E | 660 FSL; 661 FEL |
| 02W-44 | 43-037-16386 | 14-20-603-246A | SEC. 2, T41S, R23E | SE/SE 810 FNL; 5110' FWL |
| 03-14 | 43-037-15124 | 14-20-603-5445 | SEC. 3, T41S, R24E | 660 FSL; 660 FEL |
| 03-12 | 43-037-15620 | 14-20-603-6506 | SEC. 3, T41S, R24E | SW/NW 2140 FNL; 660 FWL |
| 03W-42 | 43-037-16388 | 14-20-603-6505 | SEC. 3, T41S, R24E | SW/NE 1980 FNL; 660 FEL |
| 03-44 | 43-037-15031 | 14-20-603-6504 | SEC. 3, T41S, R24E | 520 FSL; 820 FEL |
| 04-14 | 43-037-16163 | 14-20-603-5446 | SEC. 4, T41S, R24E | 500 FSL; 600 FEL |
| 04-34 | 43-037-16164 | 14-20-603-4035 | SEC. 4, T41S, R24E | 660 FSL; 1980 FEL |
| 05-34 | 43-037-15983 | 14-20-603-368 | SEC. 5, T41S, R24E | SW/SE 612 FSL; 1990 FEL |
| 05W-43 | 43-037-16392 | 14-20-603-368 | SEC. 5, T41S, R24E | 1400 FSL; 990 FEL |
| 06W-14 | 43-037-15984 | 14-20-603-368 | SEC. 6, T41S, R24E | SW/SW 660; FSL; 660 FWL |
| 06W-23 | 43-037-16393 | 14-20-603-368 | SEC. 6, T41S, R24E | 1830 FSL; 1895 FWL |
| 07-11 | 43-037-31163 | 14-20-603-368 | SEC. 7, T41S, R24E | NW/NW 660 FNL; 710 FWL |
| 07W-12 | 43-037-15985 | 14-20-603-368 | SEC. 7, T41S, R24E | SW/NW 2140 FNL; 585 FWL |
| 07-13 | 43-037-31164 | 14-20-603-368 | SEC. 7, T41S, R24E | NW/SW 2110 FSL; 740 FWL |
| 07W-14 | 43-037-15986 | 14-20-603-368 | SEC. 7, T41S, R24E | SW/SW 1065 FSL; 660 FWL |
| 07W-21 | 43-037-16394 | 14-20-603-368 | SEC. 7, T41S, R24E | 710 FNL; 1820 FWL |
| 07-22 | 43-037-31165 | 14-20-603-368 | SEC. 7, T41S, R24E | SE/NW 1980 FNL; 1980 FWL |
| 07W-23 | 43-037-15987 | 14-20-603-368 | SEC. 7, T41S, R24E | NE/SW 1980 FSL 1980 FWL |
| 07-24 | 43-037-31166 | 14-20-603-368 | SEC. 7, T41S, R24E | SE/SW 880 FSL; 2414 FWL |
| 07W-32 | 43-037-15988 | 14-20-603-368 | SEC. 7, T41S, R23E | SW/NE 1980 FNL; 1980 FEL |
| 07-33 | 43-037-31167 | 14-20-603-368 | SEC. 7, T41S, R24E | NW/SE 2105 FSL; 1876 FEL |
| 07W-34 | 43-037-15989 | 14-20-603-368 | SEC. 7, T41S, R24E | 710 FSL; 2003 FEL |
| 07W-41 | 43-037-15990 | 14-20-603-368 | SEC. 7, T41S, R24E | NE/NE 585 FNL; 770 FEL |
| 07W43 | 43-037-16395 | 14-20-603-368 | SEC. 7, T41S, R24E | 2110 FSL; 660 FEL |
| 07-44 | 43-037-31189 | 14-20-603-368 | SEC. 7, T41S, R24E | SE/SE 737 FSL; 555 FEL |
| 08-12 | 43-037-15991 | 14-20-603-368 | SEC. 8, T41S, R24E | SW/NW 1909 FNL; 520 FWL |
| 08W-14 | 43-037-15192 | 14-20-603-368 | SEC. 8, T41S, R24E | 745 FSL; 575 FWL |
| 08-21 | 43-037-15993 | 14-20-603-368 | SEC. 8, T41S, R24E | 616 FNL; 1911 FWL |
| 08-23 | 43-037-15994 | 14-20-603-368 | SEC. 8, T41S, R24E | NE/NW 1920 FSL; 2055 FWL |
| 08-32 | 43-037-15995 | 14-20-603-368 | SEC. 8, T41S, R24E | SW/NE 1980 FNL; 1980 FEL |
| 08-34 | 43-037-15996 | 14-20-603-368 | SEC. 8, T41S, R24E | SW/SE 660 FSL; 1980 FEL |
| 08-41 | 43-037-15997 | 14-20-603-368 | SEC. 8, T41S, R24E | NE/NE 660 FNL; 660 FEL |
| 08W-43 | 43-037-16396 | 14-20-603-368 | SEC. 8, T41S, R24E | 1980 FSL; 660 FEL |
| 09W-23 | 43-037-16398 | 14-20-603-5046 | SEC. 9, T41S, R24E | NW/SE 1980 FSL; 1980 FWL |
| 09-12 | 43-037-15126 | 14-20-603-5045 | SEC. 9, T41S, R24E | 1865 FNL; 780 FWL |
| 09W-21 | 43-037-16397 | 14-20-603-5045 | SEC. 9, T41S, R24E | 660 FNL; 2080 FWL |
| 09-14A | 43-037-15127 | 14-20-603-5046 | SEC. 9, T41S, R24E | 710 FSL; 660 FWL |
| 09-32 | 43-037-16165 | 14-20-603-4035 | SEC. 9, T41S, R24E | 1980 FNL; 1980 FEL |
| 09W-41 | 43-037-16399 | 14-20-603-4035 | SEC. 9, T41S, R24E | 660 FNL; 660 FEL |
| 09W-43 | 43-037-16400 | 14-20-603-4043 | SEC. 9, T41S, R24E | 1980 FSL; 660 FEL |
| 10W-23 | 43-037-16402 | 14-20-603-4043 | SEC. 10, T41S, R24E | 1980 FSL; 1980 FWL |
| 10-14 | 43-037-15713 | 14-20-603-4043 | SEC. 10, T41S, R24E | 510 FSL; 710 FWL |
| 10-12 | 43-037-15712 | 14-20-603-4043 | SEC. 10, T41S, R24E | 660 FWL; 1980 FNL |
| 10W-21 | 43-037-16401 | 14-20-603-4043 | SEC. 10, T41S, R24E | 810 FNL; 1980 FWL |
| 10-34 | 43-037-16166 | 14-20-603-4037 | SEC. 10, T41S, R24E | 620 FSL; 1860 FEL |
| 10W-43 | 43-037-16403 | 14-20-603-4037 | SEC. 10, T41S, R24E | 1980 FSL; 550 FEL |
| 11-41 | 43-037-31544 | 14-20-603-246A | SEC. 11, T41S, R23E | NE/NE 860 FNL; 350 FEL |
| 11-42W | 43-037-15841 | 14-20-603-246 | SEC. 11, T41S, R23E | 3290 FNL; 4617 FEL |
| 11-43 | 43-037-31622 | 14-20-603-246A | SEC. 11, T41S, R23E | 1980 FSL; 660 FEL |
| 11W-44 | 43-037-15842 | 14-20-603-246A | SEC. 11, T41S, R23E | SE/SE 660 FSL; 558 FEL |
| 12W-11 | 43-037-15843 | 14-20-603-246A | SEC. 12, T41S, R23E | NW/NW 678 FNL; 4620 FEL |
| 12-12 | 43-037-31190 | 14-20-603-246A | SEC. 12, T41S, R23E | SW/NW 1850 FNL; 660 FWL |
| 12W-13 | 43-037-16404 | 14-20-603-246A | SEC. 12, T41S, R23E | 1980 FSL; 4620 FEL |
| 12-14 | 43-037-15844 | NA | SEC. 12, T41S, R23E | 660 FNL; 4622 FWL |
| 12-21 | 43-037-31201 | 14-20-603-246A | SEC. 12, T41S, R23E | NE/NW 660 FNL; 1980 FWL |
| 12W-22 | 43-037-15845 | 14-20-603-246 | SEC. 12, T41S, R23E | NA |
| 12-23 | 43-037-15846 | 14-20-603-246A | SEC. 12, T41S, R23E | 1958 FNL; 3300 FWL |
| 12W-24 | 43-037-31151 | 14-20-603-246A | SEC. 12, T41S, R23E | 775 FSL; 1980 |
| 12-32 | 43-037-31203 | 14-20-603-246A | SEC. 12, T41S, R23E | SW/NE 1820 FNL; 1820 FEL |
| 12W-33 | 43-037-15848 | 14-20-603-246A | SEC. 12, T41S, R23E | NW/SE 1957 FSL; 1981 FEL |
| 12-34 | 43-037-31126 | 14-20-603-246A | SEC. 12, T41S, R23E | SW/SE 675 FSL; 1905 FEL |
| 12-41 | 43-037-15849 | 14-20-603-246A | SEC. 12, T41S, R23E | 656 FNL; 660 FEL |
| 12W-42 | 43-037-15850 | 14-20-603-246A | SEC. 12, T41S, R23E | 3275 FSL; 662 FEL |

PAID


DIVISION OF
 OIL, GAS & MINING
 PAID

PAID
 PAID

14-20-603-246
 SE/NW 1920 FNL 2080 FWL

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

FROM: Janice Easley
BLM Farmington, NM
505 599-6355

Here is copy of Rotherford Unit
Successor Operator.

4 pages including this one.

Like Ratherford Unit (GC)

RECEIVED
BLM

JUL 27 AM 11:44

Navajo Area Office
P. O. Box 1060
Gallup, New Mexico 87305-1060

070 FARMINGTON, NM

ARES/543

JUL 23 1993

Mr. G. D. Cox
Mobil Exploration and
Producing North America, Inc.
P. O. Box 633
Midland, Texas 79702

| | |
|----------------|--|
| MINERAL RIGHTS | |
| NO. 107 | |
| DATE | |
| BY | |
| APPROVED | |
| FILED | |
| ALL SUPPLY | |
| FILED | |

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,

ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

RECEIVED
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Rutherford Unit, ⁰⁷⁰⁻¹¹¹⁻⁴⁴

AREA OFFICE: Window Rock, Arizona
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Rutherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Rutherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Rutherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Rutherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. Martiny
Attorney-in-Fact B.D. MARTINY

[Signature]
APPROVED BY

ACTING AREA DIRECTOR
TITLE

7/9/93
DATE

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

| <u>Tract Number</u> | <u>Description of Land</u> | <u>Serial Number and Effective Date of Lease</u> | <u>Tract Percentage Participation</u> |
|---------------------|--|--|---------------------------------------|
| 1 | S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah | 14-20-603-246-A Oct. 5, 1953 | 11.0652565 |
| 2 | SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-368 Oct. 26, 1953 | 14.4159942 |
| 3 | SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-5446 Sept. 1, 1959 | .5763826 |
| 4 | SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-4035 March 3, 1958 | 1.2587779 |
| 5 | SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah | 14-20-603-5445 Sept. 3, 1959 | .4667669 |
| 6 | NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah | 14-20-603-5045 Feb. 4, 1959 | 1.0187043 |
| 7 | NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-4043 Feb. 18, 1958 | 3.5097575 |
| 8 | SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah | 14-20-603-5046 Feb. 4, 1959 | 1.1141679 |
| 9 | SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah | 14-20-603-4037 Feb. 14, 1958 | 2.6186804 |
| 10 | All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah | 14-20-603-247-A Oct. 5, 1953 | 10.3108861 |
| 11 | Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah | 14-20-603-353 Oct. 27, 1953 | 27.3389265 |
| 12 | Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-355 Oct. 27, 1953 | 14.2819339 |
| 13 | W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-370 Oct. 26, 1953 | 1.8500847 |
| 14 | N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-407 Dec. 10, 1953 | 6.9924969 |
| 15 | NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah | 14-20-603-409 Dec. 10, 1953 | .9416393 |
| 16 | SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah | 14-20-0603-6504 July 11, 1961 | .5750254 |
| 17 | NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah | 14-20-0603-6505 July 11, 1961 | .5449292 |
| 18 | NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah | 14-20-0603-6506 July 11, 1961 | .5482788 |
| 19 | NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah | 14-20-0603-7171 June 11, 1962 | .4720628 |
| 20 | E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah | 14-20-0603-7172 June 11, 1962 | .0992482 |

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

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

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

Other
OPERATOR CHANGE

1. Date of Phone Call: 10-6-93 - Time: 9:30

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

Name GLEN COX (Initiated Call - Phone No. (915)688-2114
of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: _____

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY
REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

| |
|----------------|
| 1-VLC/47-93 |
| 2-DEPT 58-FILE |
| 3-VLC |
| 4-RJF |
| 5-FILE |
| 6-PL |

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: 7-1-93)

| | | | |
|-------------------|-------------------------------|------------------------|-----------------------------------|
| TO (new operator) | <u>M E P N A</u> | FROM (former operator) | <u>PHILLIPS PETROLEUM COMPANY</u> |
| (address) | <u>PO DRAWER G</u> | (address) | <u>5525 HWY 64 NBU 3004</u> |
| | <u>CORTEZ, CO 81321</u> | | <u>FARMINGTON, NM 87401</u> |
| | <u>GLEN COX (915)688-2114</u> | | <u>PAT KONKEL</u> |
| | phone <u>(303)565-2212</u> | | phone <u>(505)599-3452</u> |
| | account no. <u>N7370</u> | | account no. <u>N0772(A)</u> |

Well(s) (attach additional page if needed): ***RATHERFORD UNIT (NAVAJO)**

| | | | | | | |
|-------------------------------|-------------------------|---------------|-----------|-----------|-----------|-------------------|
| Name: **SEE ATTACHED** | API: <u>43037-31162</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

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- 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: _____
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- See 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

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

BOND VERIFICATION (Fee wells only)

- 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) no. Today's date 1993. If yes, division response was made by letter dated 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 1993, 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.
- 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: 11-17 1993.

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

931006 BIA/B/m Approved 7-9-93.

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) |
| 4303731131 | 06280 41S 23E 13 | RATHERFORD UNIT #13-43 | DSCR | | | | | |
| 4303731132 | 06280 41S 23E 24 | RATHERFORD UNIT #24-41 | DSCR | | | | | |
| 4303731133 | 06280 41S 24E 17 | RATHERFORD UNIT 17-13 | DSCR | | | | | |
| 4303731134 | 06280 41S 24E 17 | RATHERFORD UNIT #17-33 | DSCR | | | | | |
| 4303731135 | 06280 41S 24E 18 | RATHERFORD UNIT #18-33 | DSCR | | | | | |
| 4303731162 | 06280 41S 23E 1 | RATHERFORD UNIT #1-14 | DSCR | | | | | |
| 4303731163 | 06280 41S 24E 7 | RATHERFORD UNIT #7-11 | DSCR | | | | | |
| 4303731164 | 06280 41S 24E 7 | RATHERFORD UNIT #7-13 | DSCR | | | | | |
| 4303731165 | 06280 41S 24E 7 | RATHERFORD UNIT #7-22 | DSCR | | | | | |
| 4303731166 | 06280 41S 24E 7 | RATHERFORD UNIT #7-24 | DSCR | | | | | |
| 4303731167 | 06280 41S 24E 7 | RATHERFORD UNIT 7-33 | IS-DC | | | | | |
| 4303731168 | 06280 41S 24E 16 | RATHERFORD UNIT #16-13 | DSCR | | | | | |
| 4303731169 | 06280 41S 24E 17 | RATHERFORD UNIT #17-11 | DSCR | | | | | |
| TOTALS | | | | | | | | |

COMMENTS: _____

I 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).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

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

| | |
|----------|------|
| Routing: | |
| 1-LEC | 7-PL |
| 2-LWP | 8-SJ |
| 3-DE/9 | FILE |
| 4-VLC | |
| 5-RJF | |
| 6-LWP | |

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

| | |
|--|---|
| TO (new operator) <u>MOBIL EXPLOR & PROD</u> | FROM (former operator) <u>M E P N A</u> |
| (address) <u>C/O MOBIL OIL CORP</u> | (address) <u>C/O MOBIL OIL CORP</u> |
| <u>PO DRAWER G</u> | <u>PO DRAWER G</u> |
| <u>CORTEZ CO 81321</u> | <u>CORTEZ CO 81321</u> |
| phone <u>(303) 564-5212</u> | phone <u>(303) 564-5212</u> |
| account no. <u>N7370</u> | account no. <u>N7370</u> |

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

| | | | | | | |
|---------------------------------|-----------------------|---------------|-----------|-----------|-----------|-------------------|
| Name: ** SEE ATTACHED ** | API: <u>037-31162</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: _____ |

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.
- Le 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. 8-31-95
- WJP 7. Well file labels have been updated for each well listed above. 9-28-95
- Le 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)
- Le 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) 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* 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. *UTS 8/5/95*
- 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 1995.

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 November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 1-14

9. API Well No.

43-037-31162

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

3a. Address

P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)

(915) 688-2585

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

SEC. 1, T41S, R23E
660' FSL & 660' FWL

12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other _____ |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SEE ATTACHED WORKOVER PROCEDURE FOR CLEAN OUT, STIMULATE & ADD PAY.

COPY SENT TO OPERATOR
DATE: 9-3-99
BY: [Signature]

RECEIVED
AUG 26 1999
DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

[Signature]

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date

8-25-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

APPROVED

Date

Office

The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

Date:

8-2-99

(Instructions on reverse)

Ratherford Unit #1-14
Clean Out, Stimulate, Add Pay

Workover Procedure

1. **MIRU DDPU. Check w/Ratherford Unit technician/engineer. Pumping unit may be replaced as a result of this workover. POH w/rods and pump as follows:(Limited detail available – rods are old, will likely be replaced)**
 - ⇒ ??' X ??' PR
 - ⇒ ?? 1" pony rods
 - ⇒ 46 – 1" rods
 - ⇒ 67 – 7/8" rods
 - ⇒ 106 – 3/4" rods
 - ⇒ 2.5" x 1.5" x ??' insert pump

2. **Evaluate rod condition for replacement. Send pump for repair. Kill well as necessary. ND wellhead/NU BOP's and test using chart. Release TAC and POH w/production string as follows: (Limited detail available)**
 - ⇒ +/-167 jt - 2-7/8" tubing
 - ⇒ 7" x 2-7/8" TAC @ 5268'
 - ⇒ 3 jts – 2-7/8" tubing
 - ⇒ 3 jts – 2-7/8" IPC (??) tubing
 - ⇒ 2-7/8" seating nipple @ 5457'
 - ⇒ 2-7/8" x 4' perfed sub
 - ⇒ 2-7/8" bull plug

3. **LD and inspect top, middle and bottom joints. Redress/Replace TAC. MI and rack 2-7/8" WS.**

4. **RIH w/5-3/4" bit on 2-7/8" WS. (7",38# casing ID – 5.920", Drift – 5.795") CO to 5470' – PBSD. Bottom perf – 5456'. Circulate hole clean. POH w/bit.**

5. Perforate Desert Creek pay as follows:

MIRU wireline. RIH w/4" HEGS casing gun loaded @ 2 JSPF with 23 gm charges, 90 degree phasing. Correlate to Welex GR/CNL/DSN dated 10/29/85. The first reading on the GR will be above the top perf to be added. May have to also use Gearhart GR/CBL/CCL dated 12/04/85 to get on depth by collars. Mobil perforating safety guidelines require the use of a 50 ohm or greater resistance type blasting cap and grounding wire.

| <u>Zone</u> | <u>Interval</u> | <u>Feet</u> | <u>Holes</u> |
|-----------------|-----------------|-------------|--------------|
| Desert Creek 2B | 5464'-5470' | 6 | 13 |
| Desert Creek 1D | 5442'-5456' | 14 | 29 |
| Desert Creek 1A | 5412'-5430' | 18 | 37 |
| | | <u>38</u> | <u>79</u> |

6. RDMO wireline. RIH w/packer for 7", 38# casing on 2-7/8" WS. Load annulus. Set packer at +/-5320'. Pressure annulus to 500 psi.

7. MIRU Schlumberger/Dowell. Acidize down 2-7/8" WS w/5000 gal 15% HCl @ 3 BPM and 3000 psi as follows:

- Establish injection rate down 2-7/8" tbg w/FW
- Pump 1000 gal. 15% HCl w/75 "BioBalls" Soluble ball sealers
- Pump 1500 gal. FW
- Pump 1500 gal. 15% HCl w/75 "BioBalls" Soluble ball sealers
- Pump 1500 gal. FW
- Pump 2500 gal. 15% HCl
- Flush w/40 bbl FW

Adjust ball sealers as necessary if well pressures up after first diversion. BioBalls should solubilize quickly after 10 hours.

Acidize w/following system: 15% HCl
2 gpt A-261 (inhibitor)
5 gpt U-42 (iron sequestrant)
1 gpt W54 (non-emulsifer)
10 ppt L58(iron stabilizer)
10 gpt U100 (mutual solvent)

8. Flow/Swab well as necessary.

9. Kill well as necessary. Release packer and POH, LD WS.

10. RIH, testing production tubing as follows:(May change with revised rod design)

- ⇒ 2-7/8" bull plug**
- ⇒ 2-7/8" x 4' perfed sub**
- ⇒ 2-7/8" seating nipple @ +/-5459'**
- ⇒ 3 jts – 2-7/8" IPC tubing**
- ⇒ 3 jts – 2-7/8" tubing**
- ⇒ 7" x 2-7/8" TAC @ +/-5273', 25K tension**
- ⇒ 170 jt - 2-7/8" tubing**

11. ND BOP's. NU wellhead. RIH w/rods and pump as directed by Rutherford Unit technician/engineer.

12. Space out w/pump +/-14" off bottom.

13. Hang well on. Pressure tubing w/unit.

14. Clean location. RDMO DDPU. Turn well over to production.

GENERAL AREA REQUIREMENTS

1. ALL SAFETY GUIDELINES WILL BE FOLLOWED. INCLUDING PERSONAL PROTECTIVE EQUIPMENT; HARD HATS, ANSI BOOTS, AND SAFETY GLASSES WITH SIDE SHIELDS ARE REQUIRED. OTHER COMMON MISTAKES ARE RIG HANDRAILS NEED TO BE UP, LOCATIONS NEED TO BE NEAT AND ORDERLY, AND ALL VENDORS MUST HAVE ALL SAFETY TRAINING UP TO DATE INCLUDING DOCUMENTATION ON LOCATION. HYDRIL BOPS WILL BE USED ANY TIME SOMETHING IS IN THE WELL THAT THE BOP CANNOT CLOSE AROUND INCLUDING DRILL COLLARS AND SUB PUMPS.
2. NOTIFICATIONS - MUST BE NOTIFIED FOR LARGE SPILLS, WATER OR OIL > 10 BBLs

Note: All Mobil Drilling Supervisors

If spill occurs, take various pictures of spill before and after clean-up. Make sure all angles of spill are photographed.

Supervisors are to notify Jerry Orndorff and Mobil EHS Tech ONLY --- Allow tech to notify appropriate agencies.

MOBIL DRILLING SUPT – JERRY ORNDORFF - 915/688-1648
MOBIL WCT ENGINEER – RICK ADAMS - 915-688-1782

MUST BE NOTIFIED FOR ANY ACCIDENTS UP TO AND INCLUDING LOST TIME;

MOBIL DRILLING SUPT – JERRY ORNDORFF - 915/688-1648
EHS ADVISOR- SCOTT McLaurin - 915/688-2213

CASING LEAK RIG-UPS, SQUEEZE NOTIFICATIONS, AND QUESTIONS ABOUT PRESSURE TEST REQUIREMENTS;

BLM – 505/599-8907, NOTIFY BEFORE SQUEEZE SO THEY CAN WITNESS IF THEY WANT

IF CASING LEAK IS A SUPRISE (WASN'T EXPECTED), DISCUSS PLAN WITH THE ENGINEER. THEN CALL WAYNE TOWNSEND 505/599-6359 AND DISCUSS THE PROBLEM AND PLAN. ENGINEER WILL PREPARE A DOCUMENTATION PROCEDURE TO SEND TO SHIRLEY HOUCHINS

3. WELL CONTROL. WELL SUBSEQUENTLY CONTROLLED WITH FRESH WATER, CLEAN 10# BRINE, HEAVY SALT MUD CaCl₂ UP TO 11.6# w/0.1% Safebreak CBF, PARTICULATE CaCO₃ MUD UP TO 12.6, AND BARITE MUD ABOVE 12.6#. FOR THE TIME BEING, WE ARE AVOIDING SNUBBING UNITS.
4. RIG SUPERVISORS WILL MAKE EVERY ATTEMPT TO ENHANCE RELATIONSHIPS WITH LOCALS AND VENDORS, WITHOUT SIGNIFICANTLY IMPACTING COSTS. OBEY AND ENCOURAGE ALL YOU WORK WITH TO BE COURTEOUS AND STRICTLY OBEY SPEED LIMITS ON LEASE ROADS.

5. CASING LEAK SQUEEZES WILL BE DONE WITH CLASS G NEAT. SUCCESS RATE WITH THIS CEMENT FROM HALLIBURTON IS 80%. OTHER TECHNIQUES AND COMPANIES WILL NOT BE USED AS LONG AS SUCCESS RATE CONTINUES. INJECTORS HAVE TO PASS 1000#/30 MINS, PRODUCERS 500#/30 MINS. DO NOT TEST UNLESS YOU SUSPECT LEAK.

A. FOR SHALLOW LEAKS WITH NO CEMENT ON CASING ANNULUS, CONSIDER CUTTING OUT THE BAD SECTION OF PIPE, POH, AND TIE BACK AND CEMENT A NEW SECTION OF CASING.

B. FOR BLEED OFF LEAKS, SPOT CEMENT ACROSS AND ABOVE LEAK, PRESSURE UP TO 1500# UNTIL SQUEEZES. POH, SI BLINDS AND RE-PRESSURE UP TO 1500# SION W/PRESSURE ON SQUEEZE.

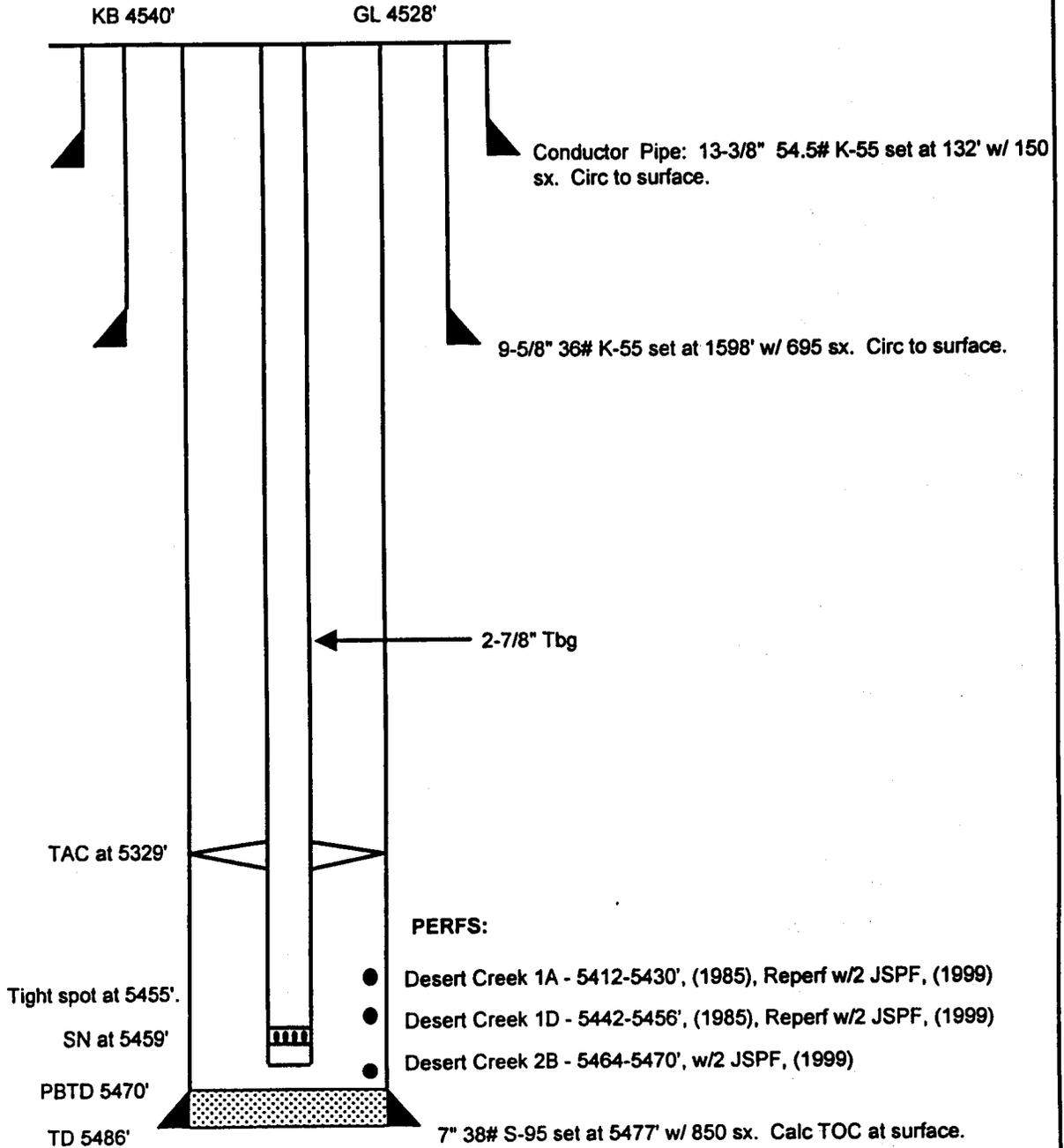
C. FOR EIR > 0.5 BPM AND LEAKS DEEPER THAN 1000' USE CMT RETAINER, SAME CEMENT. DO NOT DO NOT FAIL TO CALL OUT ENOUGH CEMENT TO SQUEEZE THE LEAK. THE EXTRA COST OF THE BULK CEMENT IS EASILY JUSTIFIED VS. THE COST OF A FAILED SQUEEZE DUE TO NOT ENOUGH CEMENT.

6. NOTIFY OPERATIONS PERSONNEL OF ANY WORK IMPACTING THEM. THIS INCLUDES ANY EMERGENCY INJECTOR SHUT-INS. DO NOT TURN PRODUCTION WELLS BACK ON, LEAVE THIS TO THE OPERATIONS PEOPLE SO THEY CAN BE SURE ALL SAFETY SHUT-DOWNS ARE ACTIVE, AND THAT SURFACE FACILITIES ARE READY FOR THE PRODUCTION. KEEP TRACK OF YOUR OWN TUBING AND OTHER MATERIALS YOU WILL NEED TO DO THE WORK.

RATHERFORD UNIT # 01-14
GREATER ANETH FIELD
600' FSL & 660' FWL
SEC 1-T41S-R23E
SAN JUAN COUNTY, UTAH
API 43-037-31162
PRISM 0042913

PRODUCER

| Capacities: | bbl/ft | gal/ft | cuft/ft |
|-------------|--------|--------|---------|
| 2-7/8" 6.5# | .00579 | .2431 | .0325 |
| 7" 38# | .0340 | 1.4299 | .1911 |
| 2-7/8x7"38# | .0260 | 1.0927 | .1461 |



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS JAN 18 2000

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

DIVISION OF OIL, GAS AND MINING

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
14-20-603-246A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD 1-14

9. API Well No.
43-037-31162

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
**MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3a. Address
P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)
(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**SEC. 1, T41S, R23E
660' FSL & 660' FWL**

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input type="checkbox"/> Notice of Intent | <input checked="" type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal |
| | | | <input type="checkbox"/> Water Shut-Off |
| | | | <input type="checkbox"/> Well Integrity |
| | | | <input checked="" type="checkbox"/> Other <u>ADD PERFS</u> |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

- 12-20-99 MIRU MONTEZUMA #15, PULL RODS. SECURE WELL. SDFN
- 12-21-99 TP @ 40, CP @ 100, BLEED OFF WELL, PULL PROD. TBG, RIH STOPPED @ 5303', PBDT @ 5470', POOH TO 1850', SECURE WELL. SDFN
- 12-22-99 FCP @ 40#, BLEED OFF, KILL WELL, TRIP W/BIT & TAG @ 5465', NOTE 5470'/1985 PBDT. OUR MEASUREMENT @ 5465', POOH TO 2350' SECURE WELL, SDFN & HOLIDAYS.
- 12-27-99 SITP @ 40#, FCP @ 100. BLEED OFF & KILL WELL, RUN INFLATABLE PKR. ATTEMPT TO SET @ 5350'. FAILED POOH, SECURE WELL. SDFN
- 12-28-99 MIRU BASIN WL, PERF 7" CSG IN DC ZONES W/4" CSG GUN, 2-JSPF, 23-GR @ 90 DEG. DC 2b 5464-5470', DC 5442-5456', DC 1D 5412-5430'. TOTAL 79 HOLES, SET PKR @ 5269, LOAD & TEST BACKSIDE.
- 12-29-99 LOAD PSI BACKSIDE TO 500#, ACIDIZE DC PERFS W/5000 GALS 15% HCL ACID + 150 BIO BALLS + 110 BBLS F-WTR IN TWO STAGES. SDFN.
- 12-30-99 SITP @ 80#, BLEED OFF GAS, RU SWAB, REL PKR EQUALIZE PSI, POOH LD WS TBG, RIH W/PROD TBG. ASSEMBLY. SDFN.
- 12-31-99 TP 0#, CSG 40#, FIN RIH W/PROD TBG, SET TAC, INSTALL WELLHEAD, LOAD TEST TO 500#
HANG ON, TURN TO PRODUCTION

Form 15 for State of Utah

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) *Shirley Houchins* Title **SHIRLEY HOUCHINS/ENV & REG TECH**
Date **1-12-00**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____
Office _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instructions on reverse)

ExxonMobil Production Compa.
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.

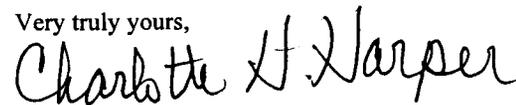
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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 27 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
XXXXXXXXXXXXXX
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,

CEMMI 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>DBM</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

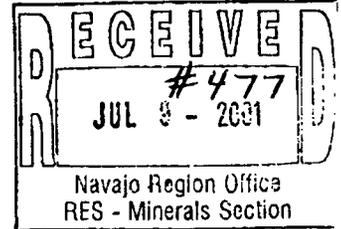
pb 7/12/2001
GN
593
File

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.

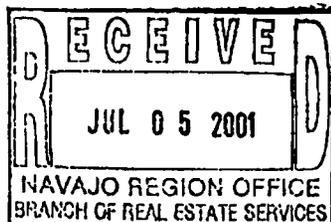
If you have any questions , please contact Alex Correa at (713) 431-1012.

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 Issac

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. Milligan
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 77027-3301
Telephone: (713) 237-4600 • Facsimile: (713) 237-4760

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
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
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

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



Notary Public State of New Jersey
No. 2231647
Commission Expires Oct 28, 2004

Karen A. Price
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
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.

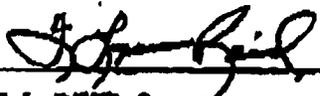
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



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.



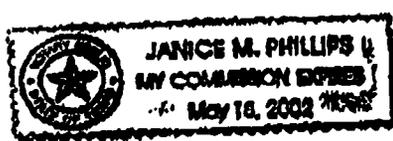
F. L. REID, Secretary

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 07/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

**STATE OF NEW YORK
DEPARTMENT OF STATE**

100 cc

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

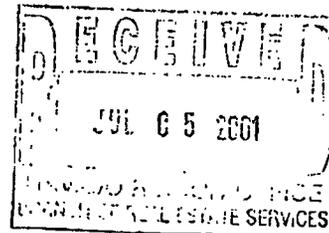
6949 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

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

ny Albany

Cost Ref # 165578 MPJ



010601000195

State of New York }
Department of State } *ss:*

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

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



A handwritten signature in black ink, appearing to read "J. Fleck", written over a horizontal line.

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 UNIT 1-34 | 01-41S-23E | 43-037-16385 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 1-14 | 01-41S-23E | 43-037-31162 | 6280 | INDIAN | OW | P |
| RATHERFORD 11-41 | 11-41S-23E | 43-037-31544 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 11-43 | 11-41S-23E | 43-037-31622 | 6280 | INDIAN | OW | P |
| 12-14 | 12-41S-23E | 43-037-15844 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 12-23 (MULTI-LEG) | 12-41S-23E | 43-037-15846 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 12-34 | 12-41S-23E | 43-037-31126 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 12-12 | 12-41S-23E | 43-037-31190 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 12-21 | 12-41S-23E | 43-037-31201 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 12-43 | 12-41S-23E | 43-037-31202 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 12-32 | 12-41S-23E | 43-037-31203 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 13-41 | 13-41S-23E | 43-037-15856 | 6280 | INDIAN | OW | P |
| N DESERT CR 32-13 (13-32) | 13-41S-23E | 43-037-16406 | 6280 | INDIAN | OW | S |
| RATHERFORD UNIT 13-12 | 13-41S-23E | 43-037-31127 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 13-21 | 13-41S-23E | 43-037-31128 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 13-23 | 13-41S-23E | 43-037-31129 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 13-34 (RE-ENTRY) | 13-41S-23E | 43-037-31130 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 13-43 | 13-41S-23E | 43-037-31131 | 6280 | INDIAN | OW | P |
| RATHERFORD UNIT 13-14 | 13-41S-23E | 43-037-31589 | 6280 | INDIAN | OW | P |
| 14-32 | 14-41S-23E | 43-037-15858 | 6280 | INDIAN | OW | P |

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

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

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/12/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/12/2002

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

| |
|----------------|
| 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: <u>6/1/2006</u> | |
| FROM: (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936 | TO: (New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600 |
| CA No. | Unit: RATHERFORD |

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

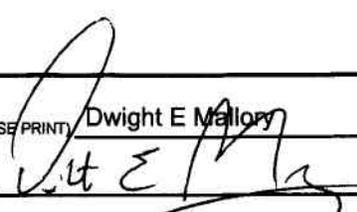
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input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

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

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

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

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

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

(This space for State use only)

APPROVED 6127106
Earlene Russell
Division of Oil, Gas and Mining (see instructions on Reverse Side)
Earlene Russell, Engineering Technician

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

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

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

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

Ratherford Unit - Producer Well List

minus P&A's

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

Ratherford Unit - Producer Well List

minus P&A's

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

Ratherford Unit - Producer Well List

minus P&A's

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

Water Source Wells (Feb 2006)

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

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-246A |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: RATHERFORD |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: RATHERFORD UNIT 1-14 |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES | 9. API NUMBER: 43037311620000 |
| 3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535 | PHONE NUMBER: 303 534-4600 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 01 Township: 41.0S Range: 23.0E Meridian: S | 9. FIELD and POOL or WILDCAT: GREATER ANETH COUNTY: SAN JUAN STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/1/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Rod Repair"/> |

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

Resolute Natural Resources respectfully submits this sundry as notice of a Rod Repair on the above well, Attached are the procedures and schematic

Accepted by the Utah Division of Oil, Gas and Mining

 Date: January 29, 2015
 By: *Derek Duff*

| | | |
|---|-------------------------------------|--|
| NAME (PLEASE PRINT) Erin Joseph | PHONE NUMBER 303 573-4886 | TITLE Sr. Regulatory Analyst |
| SIGNATURE N/A | DATE 1/26/2015 | |

Resolute

Natural Resources

RU 1-14 LOE Rod Repair

Procedure

Horsley Witten: No

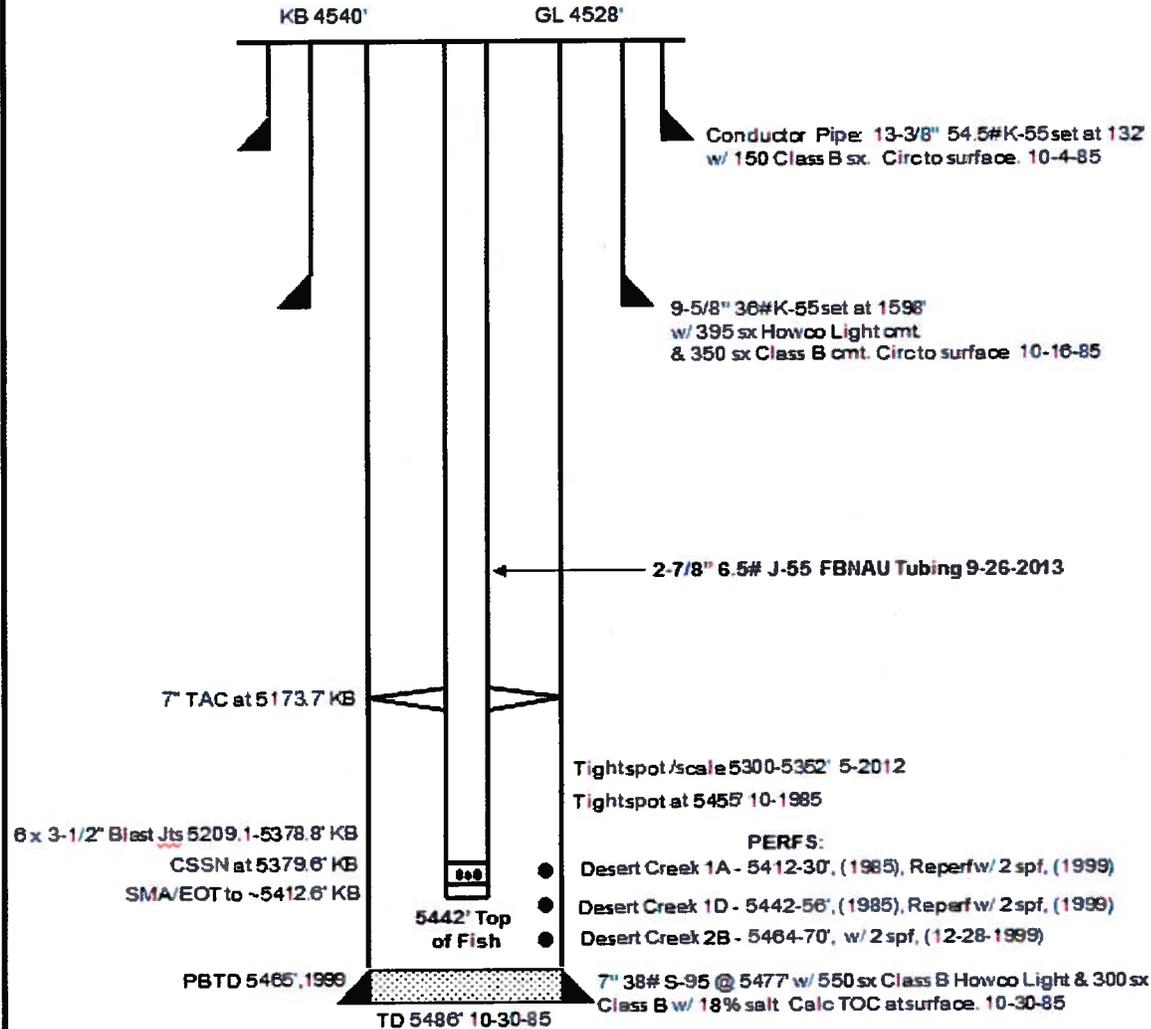
1. MIRU WSU, LOTO.
2. Pressure test tubing to 1000 psig.
3. Kill well as necessary.
4. Pick up on & fish parted rods, unseat & POOH w/1-3/4" insert pump.
5. Call Bill Albert to inspect rods, Virgil Holly & Nate Dee are alternates if Bill is unavailable.
6. Drop SV & re-PT the tubing to 1500 psi. If PT is good, run back new 1-3/4" insert pump - to step 8.
7. If PT is bad, prepare to NU BOP's & pull tubing.
8. Re-run or replace rods per inspection, land pump, long stroke pump to test for good pumping action.
9. Leave enough polished rod for operators to correctly space pump as required.
10. Notify Area Production Supervisor Alfred Redhouse (435) 619-7227 that well is ready to return to production.
11. RDMOL. Hook up appropriate chemical treatment.

RATHERFORD UNIT # 01-14

GREATER ANETH FIELD
 600' FSL & 660' FWL
 SEC 1-T41S-R23E
 SAN JUAN COUNTY, UTAH
 API 43-037-31162
 PRISM 0042913

PRODUCER

| Capacities: | bbbl/ft | gal/ft | cuft/ft |
|--------------|---------|--------|---------|
| 2-7/8" 6.5" | .00579 | .2431 | .0325 |
| 7" 38# | .0340 | 1.4299 | .1911 |
| 2-7/8x7-3/8" | .0250 | 1.0927 | .1461 |



| | |
|---|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-246A |
|---|--|

| | |
|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: RATHERFORD |
|--|--|

| | |
|------------------------------------|---|
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: RATHERFORD UNIT 1-14 |
|------------------------------------|---|

| | |
|---|---|
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES | 9. API NUMBER: 43037311620000 |
|---|---|

| | | |
|--|--|---|
| 3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535 | PHONE NUMBER: 303 534-4600 Ext | 9. FIELD and POOL or WILDCAT: GREATER ANETH |
|--|--|---|

| | |
|---|---|
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 01 Township: 41.0S Range: 23.0E Meridian: S | COUNTY: SAN JUAN STATE: UTAH |
|---|---|

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/10/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Rod Repair and Add Ismay P"/> |

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

Resolute Natural Resources respectfully submits this sundry as notice of Rod repair and to add Ismay Perfs to the above wellbore Attached are the procedures and schematic

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 04, 2015

By: *Derek Duff*

| | | |
|---|-------------------------------------|--|
| NAME (PLEASE PRINT) Erin Joseph | PHONE NUMBER 303 573-4886 | TITLE Sr. Regulatory Analyst |
| SIGNATURE N/A | | DATE 3/3/2015 |

Resolute Natural Resources

Re: **RU 1-14 Rod Repair & Add Ismay Perfs**

Procedure

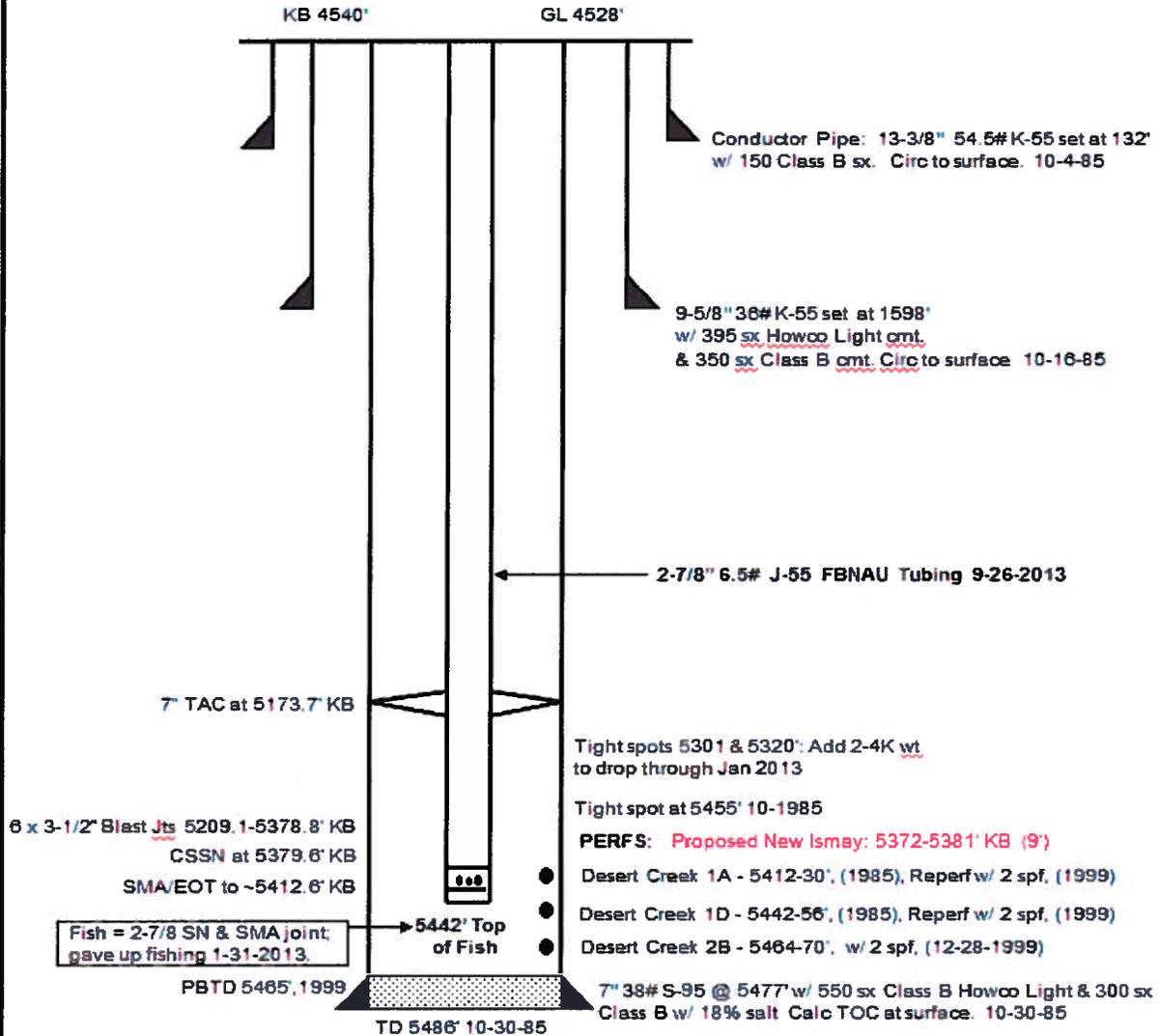
Horsley Witten: No

1. MIRU WSU, LOTO.
NOTE: (1) Fish at 5442' consists of 2-7/8 SN and 2-7/8 MA joint; fishing aborted 1-31-2013. PBD = 5465'. (2) 7" csg tight spots: 5300' & 5320' add 2-4 K to drop through.
2. Pressure test tubing to 1000 psig.
3. Kill well as necessary.
4. Pick up on & fish parted rods, unseat & POOH w/1-3/4" insert pump.
5. Call Bill Albert to inspect rods, Virgil Holly & Nate Dee are alternates if Bill is unavailable.
6. ND WH, NU BOPE, prepare to pull & stand back tbg. Tbg was new FBNAU in Sept 2013.
7. Release 7" TAC at 5174'; pick up tbg & install pkr to test BOP; PT BOPE; LD pkr.
8. Pull & stand back 2-7/8 tbg; call Bill Albert for inspection - or Tech Support: Virgil Holly or Nate Dee.
9. Make B&S run to top of fish at 5442', w/scraper spaced to stay above top perf at 5412'.
10. RU E-line to perforate; Perforate Ismay from 5372' to 5381' at 4 spf, using CBL from 12-4-1985 for depth tie-in. RD E-line.
11. RIH w/7" RBP & set at 5400' to acidize new perforations. (Collars at 5369' & 5409' KB) POOH.
12. RIH w/7" treating packer w/bypass, 2 jts tailpipe, to acidize with 500 gal xylene & 2000 gal inhibited 28% HCl acid w/iron control.
13. Set packer at ~5318' w/tailpipe to ~5381' (Collar at 5323' KB).
14. With bypass open, circulate the xylene & acid behind, down to the packer and up the backside to top perf at 5372', close bypass and put 500 psi back on the annulus; soak 15 minutes.
15. Displace the xylene & acid away with workstring & TP capacity plus 20 bbls fresh water. Shut down for minimum 2 hr soak, overnight if possible.
16. Flow the well back, or swab if required, until 125% of the treatment fluid (~140 bbls) is recovered.
17. Re-kill the well, POOH & LD treating packer. RIH & retrieve RBP.
18. TIH w/3-1/2" SMA joint, crossover, 2-7/8 CSSN, crossover, 5 x 3-1/2 blast jts, crossover, 7" TAC, 2-7/8 tubing to surface. Set TAC, land tubing w/EOT ~ 5365' KB.
19. ND BOP, NU wellhead. Change over for rods. Run 1-3/4 insert pump w/1-1/4 x 16' gas anchor below.
20. Re-run or replace rods per inspection, land pump, long stroke pump to test for good pump action.
21. Leave enough polished rod for operators to correctly space pump as required.
22. Notify Area Production Supervisor Alfred Redhouse (435) 619-7227 that well is ready to return to production.
23. RDMOL. Hook up appropriate chemical treatment.

RATHERFORD UNIT # 01-14
 GREATER ANETH FIELD
 600' FSL & 660' FWL
 SEC 1-T41S-R23E
 SAN JUAN COUNTY, UTAH
 API 43-037-31162
 PRISM 0042913

PRODUCER

| Capacities: | bbl/ft | gal/ft | cuft/ft |
|--------------|--------|--------|---------|
| 2-7/8" 6.5# | .00579 | 2431 | .0325 |
| 7" 38# | .0340 | 1,4299 | .1911 |
| 2-7/8" 7.38# | .0260 | 1,0927 | .1461 |



| | | |
|---|---|--|
| 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: 14-20-603-246A |
| 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 |
| | | 7. UNIT or CA AGREEMENT NAME: RATHERFORD |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: RATHERFORD UNIT 1-14 | |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES | 9. API NUMBER: 43037311620000 | |
| 3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535 | PHONE NUMBER: 303 534-4600 Ext | 9. FIELD and POOL or WILDCAT: GREATER ANETH |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 01 Township: 41.0S Range: 23.0E Meridian: S | | COUNTY: SAN JUAN |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/31/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER | |
| | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Rod Repair"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. | | |
| Resolute Natural Resources respectfully submits this sundry as notice that the rod repair on the above well was completed on 3/31/2015 | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 17, 2015 | | |
| NAME (PLEASE PRINT) Erin Joseph | PHONE NUMBER 303 573-4886 | TITLE Sr. Regulatory Analyst |
| SIGNATURE N/A | DATE 12/17/2015 | |

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
|---|---|--|
| | | 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-246A |
| SUNDRY NOTICES AND REPORTS ON WELLS | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO |
| 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. | | 7. UNIT or CA AGREEMENT NAME: RATHERFORD |
| | | 8. WELL NAME and NUMBER: RATHERFORD UNIT 1-14 |
| 1. TYPE OF WELL Oil Well | 9. API NUMBER: 4303731162000 | |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES | 9. FIELD and POOL or WILDCAT: GREATER ANETH | |
| 3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535 | PHONE NUMBER: 303 534-4600 Ext | COUNTY: SAN JUAN |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 01 Township: 41.0S Range: 23.0E Meridian: S | STATE: UTAH | |
| 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 Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/30/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER | |
| OTHER: Rod Repair and add Ismay Perfs | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice that the Rod repair and Perfs added to the Ismay were completed on 3/30/2015 according to previously approved procedures Perfs were added from 5372'-5381' 4 shots per foot with a total of 36 holes See attached perf report | | |
| | | Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 19, 2016 |
| NAME (PLEASE PRINT) Erin Joseph | PHONE NUMBER 303 573-4886 | TITLE Sr. Regulatory Analyst |
| SIGNATURE N/A | DATE 1/14/2016 | |

Resolute

Perf and Stim Report

Well Name: RU 01-14

| | | | | | | | | | | |
|--------------------------|--------------|--------------------|-----------------|--------------|-------|-----------------------------------|--------------------------|--------------------|--------------------|-----------------|
| API Number 4303731162 | Section 1 | Qtr/Qtr C SW SW | Township 41S | Range 23E | Block | Reg Spud D/Tm 10/14/1985 00:00 | Field Name Ratherford | County San Juan | State/Prov Utah | WT (%) 58.60 |
|--------------------------|--------------|--------------------|-----------------|--------------|-------|-----------------------------------|--------------------------|--------------------|--------------------|-----------------|

Production Casing

| | | | | | |
|----------------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------|
| Casing Description Production | Run Date/Time 10/29/1985 | Set Depth (ftKB) 5,477.0 | String Nominal OD (in) 7 | Weight/Length (lb/ft) 38.00 | String Grade SS-95 |
|----------------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------|

Tubing Strings

| | | | | | |
|---|-----------------------|-----------------------------|-----------------------------------|-------------------------------|----------------------|
| Tubing Description Tubing - Production | Run Date 3/26/2015 | Set Depth (ftKB) 5,364.8 | String Max Nominal OD... 2 7/8 | Weight/Length (lb/ft) 6.50 | String Grade J-55 |
|---|-----------------------|-----------------------------|-----------------------------------|-------------------------------|----------------------|

Perforations

| Date | Zone | Top (ftKB) | Botm (ftKB) | Shot Dens (shots/ft) | Entered Shot Total | Current Status |
|------------------|------|------------|-------------|----------------------|--------------------|--------------------------|
| 12/28/1999 00:00 | | 5,464.0 | 5,470.0 | 2.0 | | |
| 12/7/1985 00:00 | | 5,442.0 | 5,456.0 | 2.0 | | Open (5,442.0 - 5,456.0) |
| 12/28/1999 00:00 | | 5,442.0 | 5,456.0 | 2.0 | | |
| 12/7/1985 00:00 | | 5,412.0 | 5,430.0 | 2.0 | | Open (5,412.0 - 5,430.0) |
| 12/28/1999 00:00 | | 5,412.0 | 5,430.0 | 2.0 | | |
| 3/20/2015 00:00 | | 5,372.0 | 5,381.0 | 4.0 | | |

<Zone?>

| | | | |
|--------------------|------------------------|------|------|
| Stage Number | Date | Type | Icon |
| String | Wellbore | Zone | Job |
| Stim/Treat Company | Diversification Method | | |
| Comment | | | |

| | | |
|---------------------------------|--------------------------|--------------------------|
| Instant. Shut-in Pressure (psi) | Frac Gradient (psi/ft) | Breakdown Pressure (psi) |
| Min Treat Pressure (psi) | Max Treat Pressure (psi) | Avg Treat Pressure (psi) |
| Min Treat Rate (bbf/min) | Max Treat Rate (bbf/min) | Avg Treat Rate (bbf/min) |
| Proppant In Formation (lb) | | |

| | | |
|---------------------------------|----------------------------------|------------------|
| Total Clean Volume Pumped (bbf) | Total Slurry Volume Pumped (bbf) | Total Add Amount |
|---------------------------------|----------------------------------|------------------|

| | | | | |
|------------|------------|----------|----------|--------------|
| Fluid Name | Fluid Type | Gel Conc | Gas Name | Foam Quality |
|------------|------------|----------|----------|--------------|