

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Complete, P. & A. or
operations suspended 8-28-59 UOR

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Fied

FILE NOTATIONS

Entered in NID File ✓
Entered On S R Sheet ✓
Location Map Pinned ✓
Card Indexed ✓
IWR for State or Fee Land _____

Checked by Chief _____
Copy NID to Field Office _____
Approval Letter ✓
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 8-27-59
OW ✓ WW _____ TA _____
GW _____ OS _____ PA _____

Location Indexed _____
Bond released _____
State of Fee Land _____

LOGS FILED

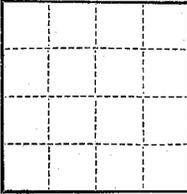
Driller's Log 12-25-59
Electric Logs (No.) 3

E _____ I _____ E-I ✓ GR _____ GR-N ✓ Micro ✓
Lat _____ Mi-L _____ Sonic _____ Others _____

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo
Allottee Tribal
Lease No. 14-20-603-355

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Navajo "A" Cortez, Colorado July 6, 1959

Well No. 22 is located 1000 ft. from N line and 1900 ft. from E line of sec. 21

5N, 21E Sec. 21 41S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

White Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drill hole~~ ungraded ground above sea level is 4601.5 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill 17-1/2" hole to approximately 160', set 160' of 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1600', set 8-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5700', run 5-1/2" casing and cement with approximately 250 sacks cement. Complete in Esart Creek Formation.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum Company

Address P. O. Drawer 1150

Cortez, Colorado

By C. M. Boles
C. M. Boles
District Superintendent
Title

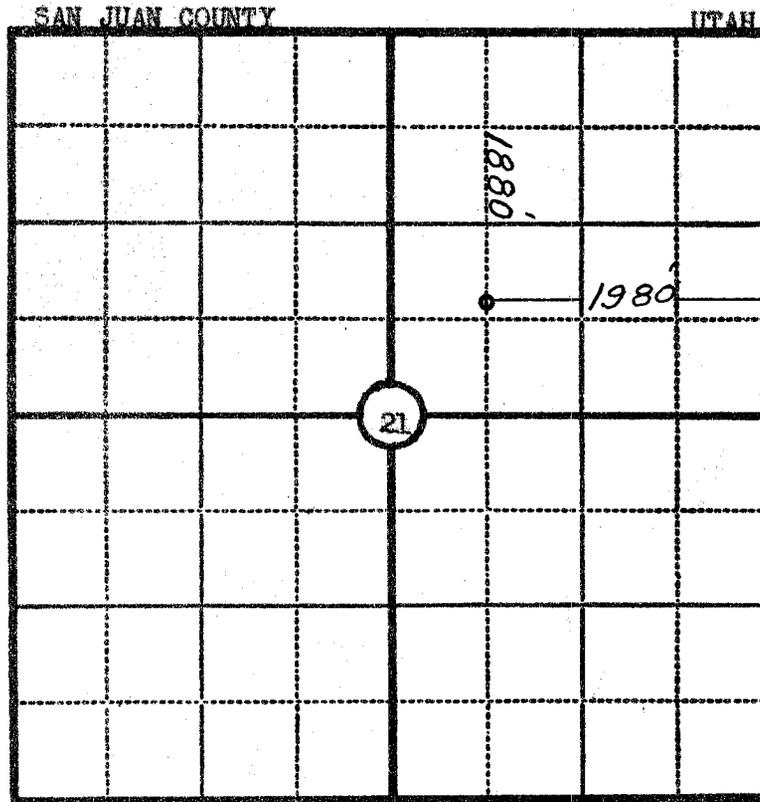
Company PHILLIPS PETROLEUM COMPANY

Lease Navajo "A" Well No. 22

Sec. 21, T. 41 SOUTH, R. 24 EAST, SLM

Location 1880' FROM THE NORTH LINE AND 1980' FROM THE EAST LINE

Elevation 4601.5 UNGRADED GROUND



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

James P. Leese
Registered Land Surveyor.

James P. Leese
Utah Reg. No. 1472

Surveyed 27 February, 1959

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

July, 8, 1959

Phillips Petroleum Company
P. O. Box 1150
Cortez, Colorado

Attention: C. M. Boles,
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo A-22, which is to be located 1880 feet from the north line and 1980 feet from the east line of Section 21, Township 41 South, Range 24 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
EXECUTIVE SECRETARY

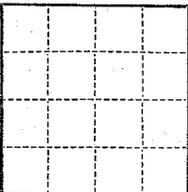
CBF:cp

cc: P. T. McGrath, Dist. Eng.
U. S. Geological Survey
Farmington, New Mexico

X

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal
Lease No. 14-20-603-355

[Handwritten signature]

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL		<input type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado September 25, 19 59

Navajo "A"

Well No. 22 is located 1800 ft. from N line and 1900 ft. from E line of sec. 21

SW NE Sec. 21 41S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
White Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ungraded ground above sea level is 4601.5 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 2: A.M. 8-3-59. Drilled 12-1/4" hole to 173' and reamed to 17-1/4" hole to 173'. Set and cemented 4 jts. 13-3/8" O.D. 27.1# Amoco SW SJ casing at 173' with 175 sz. regular cement, 2% Calcium Chloride. Pumped plug to 140' at 4:30 P.M. 8-3-59. Circulated out 60 sacks.

Drilled 11" hole to 1365' at 1:15 P.M. 8-5-59. Set and cemented 4 jts. 8-5/8" O.D. 24# J-55 casing at 1365.40' with 330 sz. regular cement, 126 sz. Diacel "D", 620# Calcium Chloride, 165# Floccs, 660# Tuff Plug, followed with 125 sz. neat regular cement. Attempted to drop second plug. Formation bridged - could not move cement with maximum pressure of 2400#. Casing full of cement - unable to get plug from head. Killed water flow and cemented with 150 sz. regular cement, 2% Calcium Chloride in annulus. Job completed 7:30 P.M. 8-5-59. Drilled cement in 8-5/8" casing to 1362. Tested casing 750# 30 minutes - o.k. (Continued on back side)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

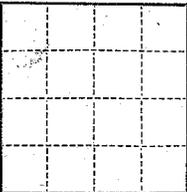
Company Phillips Petroleum Company
Address P. O. Drawer 1150
Cortez, Colorado

By *[Signature]*
C. M. Boles
Title District Superintendent

01058
Drilled 7-7/8" hole to 5622' at 4:15 A.M. 8-23-59. Corrected TD to 5623 with drill pipe tally. Ran Schlumberger ES Induction - Micro and Gamma Ray Neutron logs to 5623'. Set and cemented 176 jts. 5-1/2" OD 14# J-55 casing at 5622.23' with 132 sz. regular cement, 100 sz. Diacel "D", 496# Calcium Chloride. Pumped plug to 5595 at 12:40 A.M. 8-24-59. W.O.C. 24 hours. Tested casing to 1000# for 30 minutes. Tested O.K.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo
Tribal
Allottee
Lease No. 14-20-603-355



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Navajo "A" **Cortez, Colorado September 29, 1959**

Well No. 22 is located 1880 ft. from SW line and 1980 ft. from E line of sec. 21

SW NE Sec. 21 43S 24E SLN

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian) **Utah**

(Field) ungraded ground (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4601.5 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Tagged bottom with tubing at 5995'. Pulled tubing. Run Gamma Ray Collar locator log to 5997'. Perforated Desert Creek with 4 jet shots per foot from 5427-31, 5435-53, 5494-96, 5502-20 and 5556-61 RL and RL measurements. Released rotary 9:30 A.M. 8-25-59. Moved in well service unit, ran 95 fts. 2-7/8" OD EUE tubing with Baker HBJ (Hookmill) packer with Giberson hydraulic holddown. Set tubing at 5573.90'. Hookmill packer at 5312.28'.

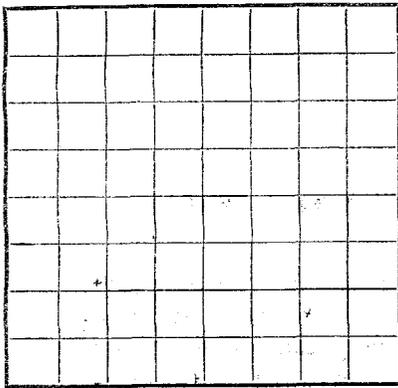
Acidized casing perforations with 7000 gallons retarded acid and 200 gallons block, 8-26-59. Treating rate 7 BPM, maximum pressure 3300#, minimum pressure 2300#. Flush rate 4 BPM. Maximum pressure 3000#, minimum pressure 2500#. Block increased from 2550 to 3300#. Shut in 5 mins. - pressure dropped from 3000# to 1000#. Shut in 4 hours for retarded acid. Flowed 465 barrels oil, 2.80 barrels water in 24 hours through 46/64" choke. TP 170#. GOR 564. 8-27-59.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum Company
Address P. O. Drawer 1150
Cortez, Colorado

By C. H. Boles
Title District Superintendent

Navajo
U. S. LAND OFFICE
SERIAL NUMBER 14-20-603-355
LEASE OR PERMIT TO PROSPECT Tribal



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Address P.O. Drawer 1150, Cortez, Colorado
Lessor or Tract Navajo "A" Field White Mesa State Colorado
Well No. 22 Sec. 21 T. 41S R. 24E Meridian S.L.M. County San Juan
Location 1880 ft. [XX] of N Line and 1980 ft. [XX] of E Line of section 21 Elevation 4632
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [Signature]
Date Cortez, Colo. 11-20-59 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 8-3, 1959 Finished drilling 8-23, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

In all sands above 1365 and from 2485-2690
No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
13-3/8	27.1	SW SJ	Arco	161.60	Baker		5427	5431	Oil Prod.
8-5/8	24	24	J-55	1362.32	Baker		5435	5453	Oil Prod.
5-1/2	14	14	J-55	5851.39	Nactor		5494	5498	" "
							5502	5520	" "
							5556	5561	" "

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	173	175 sx. cem, 2% GC	Circulated		
8-5/8	1365	800 cu ft	Plug (Hold bridged-could not pump plug from head-cemented down annulus w/150 sx. neat reg cem,		
5-1/2	5622	550 cu ft	B-J		2% GC

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5623 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

November 20, 1959 Put to producing August 27, 1959
 The production for the first 24 hours was 468 barrels of fluid of which 99% was oil; 1% emulsion; 1% water; and % sediment. Gravity, °Bé. 99
 If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in. 1326/41-1800

EMPLOYEES

Mcman Bros., Inc., Driller
 Driller
 Driller
 Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
2205	2260	55	Shinarump
2260	2395	135	Monakopi
2395	2485	90	Cutler - Hoskinini Equivalent
2485	2690	205	Cutler - De Chally Member
2690	4432	1742	Cutler - Organlock Member
4432	5267	835	Honaker Trail
5267	5623	356	Paradox
			Ismy Zone 5267-5423
			Desert Creek Zone 5423-5623

FORMATION RECORD - CONTINUED

16-48094-4

NOV 25 1959

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 2:00 P.M. 8-3-59. Drilled 12-1/4" hole to 173' and reamed to 17-1/4" hole to 173'. Set and cemented 4 jts. 13-3/8" OD 27.1" Arco SJ casing at 173' with 175 sx. regular cement, 2% Calcium Chloride. Pumped plug to 140' at 4:30 P.M. 8-3-59. Circulated out 60 sacks.

Drilled 11" hole to 1365' at 1:15 P.M. 8-5-59. Set and cemented 44 jts. 8-5/8" OD 24# J-55 casing at 1365.40' with 330 sx. regular cement, 126 sx. Diacel "D", 620# Calcium Chloride, 165# Floceke, 660# Turf Plug, followed with 125 sx. neat regular cement. Attempted to drop second plug. Formation bridged - could not move cement with maximum pressure of 2400#. Casing full of cement - unable to get plug from head. Killed water flow and cemented with 150 sx. regular cement, 2% Calcium Chloride in annulus. Job completed 7:30 P.M. 8-5-59. Drilled cement in 8-5/8" casing to 1362. Tested casing 750# for 30 minutes - o.k.

Drilled 7-7/8" hole to 5622' at 1:15 P.M. 8-23-59. Corrected TD to 5623 with drill pipe tally. Run Schlumberger permeability induction log and Gamma Ray Neutron logs to 5623'. Set and cemented 176 jts. 5-1/2" OD 14# J-55 casing at 5622.23' with 132 sx. regular cement, 100 sx. Diacel "D", 496# Calcium Chloride. Pumped plug to 5595 at 12:40 A.M. 8-24-59. W.O.C. 24 hours. Tested casing to 1000# for 30 minutes - Tested o.k.

Tagged bottom with tubing at 5595'. Rilled tubing. Ran Gamma Ray Collar Locator Log to 5597'. Perforated "Hogart Creek" with 4 jet shots per foot from 5427-31, 5435-53, 5494-98, 5502-20, and 5556-61 RI and RI measurements. Released rotary 9:30 A.M. 8-25-59. Moved in well service unit, ran 95 jts. 2-7/8" OD tubing with Baker HW Hookwall packer with Robinson hydraulic hold-down. Set tubing at 5573.90'. Hookwall packer at 5312.28'.

Acidized casing perforations with 7000 gallons retarded acid and 200 gallons block 8-26-59. Treating rate 7 BPM, maximum pressure 3200#, minimum pressure 2500#. Block increased from 2550 to 3300#. Shut in 5 minutes - pressure dropped from 3000# to 1000#. Shut in 4 hours for retarded acid. Flowed 465 barrels oil, 2.80 barrels water in 24 hours through 48/64" choke. TP 170%, GOR 504. 8-27-59.

**Flush rate 4 BPM. Maximum pressure 3000#, minimum pressure 2500#.

REASON FOR THE INJECTION

WELL ID

DATE OF INJECTION
 INJECTION RATE
 INJECTION PRESSURE
 INJECTION VOLUME
 INJECTION TEMPERATURE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1880' FNL & 1980' FEL, SW NE
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE
14-20-603-355

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.
21-32

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21-T41S-R24E

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

14. API NO.
43-037-15755

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4614' RKB

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 checked="" 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) Cement squeeze lower perms.		

(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.)*

It is proposed to squeeze existing perforations, drill out and reperforate intervals 5427-31' and 5435-53'. A stimulation treatment of 4000 gal. 28% HCL will follow the perforating.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 7-30-80
BY: M. J. Minder

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

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

SIGNED D. J. Fisher TITLE Operations Supt. DATE July 11, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 3 - USGS, Farmington, NM
- 2 - Utah O&G CC, Salt Lake City, UT
- 1 - Southland Royalty, Farmington, NM
- 1 - T. M. Isaacs
- 1 - File

*See Instructions on Reverse Side

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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Ratherford Unit ✓
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME
14. PERMIT NO. See Attached		9. WELL NO.
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Attached
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

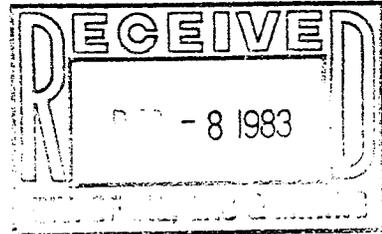
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <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 zones pertinent to this work.)*

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.

190
21-32



- | | | |
|---------------------|-----------------------|-------------------------|
| Org. & 3-BLM | 1-Robert Klabzuba | 1-Shell Oil Co. |
| 1-The Navajo Nation | 1-Micheal J. Moncrief | 1-Southland Royalty Co. |
| 1-Mary Wiley Black | 1-Richard B. Moncrief | 1-Superior Oil Co. |
| 1-Lawrence E. Brock | 1-Lee W. Moncrief | 1-Leroy Shave |
| 1-Cheveron USA | 1-Mary H. Morgan | 1-Texaco, Inc. |
| 1-Ralph Faxel | 1-W. A. Moncrief | 1-Wade Wiley, Jr. |
| 1-Royal Hogan | 1-W. A. Moncrief, Jr. | 1-Edwin W. Word, Jr. |
| 1-W. O. Keller | 1-L. F. Peterson | 1-File |
| 1-Dee Kelly Corp. | | |

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

SIGNED *A. E. Stuart* A. E. Stuart TITLE Area Manager DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
E14-12	SW NW Sec.14-T41S-R24E	43-037-15998	Act.
E14-13	NW SW Sec.14-T41S-R24E	43-037-15999	SI
10-44	SE SE Sec.10-T41S-R24E	43-037-30451	Act.
15-12	SW NW Sec.15-T41S-R24E	43-037-15715	Act.
15-14	SW SW Sec.15-T41S-R24E	43-037-15716	SI
15-22	SE NW Sec.15-T41S-R24E	43-037-30449	Act.
15-32	SW NE Sec.15-T41S-R24E	43-037-15717	Act.
15-33	NW SE Sec.15-T41S-R24E	43-037-15718	SI
15-41	NE NE Sec.15-T41S-R24E	43-037-15719	Act.
15-42	SE NE Sec.15-T41S-R24E	43-037-3-448	SI
16-12	SW NW Sec.16-T41S-R24E	43-037-15720	Act.
16-14	SW SW Sec.16-T41S-R24E	43-037-15721	Act.
16-32	SW NE Sec.16-T41S-R24E	43-037-15723	Act.
16-34	SW SE Sec.16-T41S-R24E	43-037-15724	SI
16-41	NE NE Sec.16-T41S-R24E	43-037-15725	Act.
17-12	SW NW Sec.17-T41S-R24E	43-037-15726	Act.
17-14	SW SW Sec.17-T41S-R24E	43-037-15727	Act.
17-23	NE SW Sec.17-T41S-R24E	43-037-15728	Act.
17-32	SW NE Sec.17-T41S-R24E	43-037-15729	Act.
17-34	SW SE Sec.17-T41S-R24E	43-037-15730	Act.
17-41	NE NE Sec.17-T41S-R24E	43-037-15731	Act.
17-44	SE SE Sec.17-T41S-R24E	43-037-15732	Act.
18-11	NW NW Sec.18-T41S-R24E	43-037-15733	SI
18-13	NW SW Sec.18-T41S-R24E	43-037-15734	Act.
18-14	SW SW Sec.18-T41S-R24E	43-037-15735	Act.
18-23	NE SW Sec.18-T41S-R24E	43-037-30244	Act.
18-32	SW NE Sec.18-T41S-R24E	43-037-15736	Act.
18-34	SW SE Sec.18-T41S-R24E	43-037-15737	Act.
19-12	SW NW Sec.19-T41S-R24E	43-037-15739	Act.
19-14	SW SW Sec.19-T41S-R24E	43-037-15740	SI
19-32	SW NE Sec.19-T41S-R24E	43-037-15743	Act.
19-34	SW SE Sec.19-T41S-R24E	43-037-15744	Act.
20-12	SW NW Sec.20-T41S-R24E	43-037-15746	Act.
20-14	SW SW Sec.20-T41S-R24E	43-037-15747	Act.
20-32	SW NE Sec.20-T41S-R24E	43-037-15749	Act.
20-34	SW SE Sec.20-T41S-R24E	43-037-15750	Act.
21-12	SW NW Sec.21-T41S-R24E	43-037-15752	Act.
21-14	SW SW Sec.21-T41S-R24E	43-037-15753	Act.
21-23	NE SW Sec.21-T41S-R24E	43-037-13754	Act.
21-32	SW NE Sec.21-T41S-R24E	43-037-15755	Act.
21-33	NW SE Sec.21-T41S-R24E	43-037-30447	SI
21-34	SW SE Sec.21-T41S-R24E	43-037-15756	Act.
22-12	SW NW Sec.22-T41S-R24E	43-037-15757	SI
22-14	SW SW Sec.22-T41S-R24E	43-037-15758	SI
24-42	SE NE Sec.24-T41S-R24E	43-037-15863	Act.
28-11	NW NW Sec.28-T41S-R24E	43-037-30446	Act.
28-12	SW NW Sec.28-T41S-R24E	43-037-15336	Act.
29-12	SW NW Sec.29-T41S-R24E	43-037-15337	Act.
29-32	SW NE Sec.29-T41S-R24E	43-037-15339	Act.

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

RECEIVED

AUG 16 1993

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

USRA
5-18-93

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the Rutherford 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

✓ 19W-21	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
✓ 19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
✓ 19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
✓ 19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
✓ 19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
✓ 19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
✓ 19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
✓ 19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
✓ 19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
✓ 20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
✓ 20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
✓ 20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
✓ 20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
✓ 20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
✓ 20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
✓ 20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
✓ 20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
✓ 20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
✓ 20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
✓ 20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
✓ 20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
✓ 20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
✓ 20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
✓ 20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
✓ 20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
✓ 21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
✓ 21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
✓ 21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
✓ 21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
✓ 21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
✓ 21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
✓ 21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
✓ 21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
✓ 24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
✓ 24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
✓ 24W-43	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
✓ 24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
✓ 24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
✓ 24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
✓ 24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
✓ 28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
✓ 28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
✓ 29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
✓ 29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
✓ 29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
✓ 29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
✓ 29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
✓ 29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
✓ 29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
✓ 29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817' FSL; 2096' FEL
✓ 29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
✓ 29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
✓ 29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
✓ 30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
✓ 30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 9-34	NA 4303715711	NA 14206034043	NA Sec. 9, T. 41S, R. 24E	NA SWSE 660' FSL 1980' FEL
✓ 12-43	43-307-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
✓ 12W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
✓ 13W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
✓ 15W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
✓ 17-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
✓ 18-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
✓ 18W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓ 20-28	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FWL; 1615' FSL
✓ 21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
✓ 28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5. LEASE DESIGNATION & SERIAL NO.	
		6. IF INDIAN ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL	
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME RATHERFORD UNIT	
2. NAME OF OPERATOR MOBIL OIL CORPORATION		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		9. WELL NO.	
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		10. FIELD AND POOL, OR WILDCAT GREATER ANETH	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY SAN JUAN	13. STATE UTAH

REGISTERED

SEP 13 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:
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <u>CHANGE OF OPERATOR</u> (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
FULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <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:

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L.S. SHEFFIELD
BRIAN BERRY
~~M E P N A MOBIL~~
POB 219031 1807A RENTWR *P.O. DRAWER G*
DALLAS TX 75221-9031 *CORTEZ, Co. 81321*

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT (Highlight Changes)

X931006 updated. See

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								
TOTALS				249710	243825	5885			

RECEIVED

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. Mobil ~~also~~ 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.

Date: 9/5/93

Name and Signature: *L. S. Sheffield*

Telephone Number: *303 565 2212*
244 658 2528

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

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

Here is copy of Rutherford Unit
Successor Operator.

4 pages including this one.

File: Ratherford Unit (GC)

RECEIVED
BLM

JUL 27 11:44

070 FARMINGTON, NM

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

ARES/543

JUL 23 1993

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

MINERAL	
NO. 1	
DATE	
BY	
3	
2	
ALL SUPV.	
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

JUN 27 11:44

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

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

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford 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 Ratherford 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 Ratherford 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 Ratherford 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. [Signature]
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

100% Indian Lands

TOTAL 12,909.74

100.0000000

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
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-VEC/AM7-93	<input checked="" type="checkbox"/>
2-DP/58-RJA	<input checked="" type="checkbox"/>
3-VLC	<input checked="" type="checkbox"/>
4-RJF	<input checked="" type="checkbox"/>
5-IEP	<input checked="" type="checkbox"/>
6-PL	<input checked="" type="checkbox"/>

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>43-037-15755</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

- Sec 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)*
- Sec 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: _____.
- Sec 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.
- Sec 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)*
- Sec 6. Cardex file has been updated for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- Sec 7. Well file labels have been updated for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- Sec 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)*
- Sec 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/Btm Approved 7-9-93.

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	API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
							OIL(BBL)	GAS(MCF)	WATER(BBL)
#18-13	4303715734	06280	41S 24E 18	PRDX					
#19-12	4303715739	06280	41S 24E 19	PRDX					
#19-14	4303715740	06280	41S 24E 19	DSCR					
RATHERFORD UNIT 19-32 (RE-ENTRY)	4303715743	06280	41S 24E 19	DSCR					
RATHERFORD UNIT 19-34 (RE-ENTRY)	4303715744	06280	41S 24E 19	DSCR					
RATHERFORD 20-12 (RE-ENTRY)	4303715746	06280	41S 24E 20	DSCR					
RATHERFORD UNIT 20-14 (RE-ENTRY)	4303715747	06280	41S 24E 20	DSCR					
RATHERFORD UNIT 20-32 (RE-ENTRY)	4303715749	06280	41S 24E 20	DSCR					
RATHERFORD 20-34 (RE-ENTRY)	4303715750	06280	41S 24E 20	DSCR					
#21-12	4303715752	06280	41S 24E 21	DSCR					
RATHERFORD UNIT 21-14 (RE-ENTRY)	4303715753	06280	41S 24E 21	DSCR					
#21-32	4303715755	06280	41S 24E 21	DSCR					
#21-34	4303715756	06280	41S 24E 21	DSCR					
TOTALS									

REMARKS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____ **Suspense** **Other**
(Location) Sec _____ Twp _____ Rng _____ (Return Date) _____ **OPER NM CHG**
(API No.) _____ (To - Initials) _____

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

2. DOGM Employee (name) L. CORDOVA (Initiated Call)
Talked to:
Name R. J. FIRTH (Initiated Call) - Phone No. ()
of (Company/Organization) _____

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

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

Mobil Oil Corporation

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

May 14, 1986

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

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

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

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

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

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

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

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

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

Name: ** SEE ATTACHED **	API: <u>037-15755</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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- See 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)
- 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

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

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

- N/A* *Yes* 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. *DTS 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* 19*95*.

FILING

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

COMMENTS

950803 LIC F5 / Not necessary!



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

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

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

August 28, 1996

9-3-96
PER SUE MOSLEY
THIS WELL HAS NOT
BEEN REENTERED AND
THERE ARE NO CURRENT
PLANS TO DIRECTIONAL
DRILL.
v

Ms. Shirley Robertson
Env. & Reg. Technician
Mobil Exploration & Production
P. O. Box 633
Midland, Texas 79702

Re: Submittal of Directional Surveys and Well Completions Reports

Dear Ms. Robertson:

We have not received the Well Completion Reports or Directional Drilling Surveys for the re-entry of the following wells:

API No. 43-037-31754	Ratherford Unit 19-24 (Multi-Leg)
API No. 43-037-31131	Ratherford Unit #13-43
TA13 R24E 21 API No. 43-037-15755	#21-32
API No. 43-037-15846	Ratherford Unit 12-23

Please submit this information to our office as soon as possible, but no later than September 18, 1996.

Your help in this matter will be greatly appreciated. If you have any questions regarding this request, please contact me at (801) 538-5279.

Sincerely,

Vicky Dyson
Production Group Supervisor

cc: R. J. Firth
F. R. Matthews
D. T. Staley
L. W. Platt
Well Files



ExxonMobil Production Company

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

June 27, 2001

ExxonMobil
Production

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

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

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

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

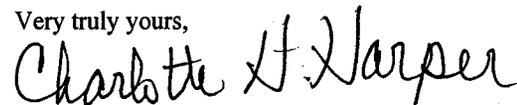
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

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

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

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

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

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

~~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,

DEMMI DENETSONE

Regional Realty Officer

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

MINERAL RESOURCES	
ADM 1	<i>DB/MC</i>
NATV AM MIN COORD _____	
SOLID MIN TEAM _____	
PETRO MIN TEAM <i>2</i> _____	
O & G INVEST TEAM _____	
ALL TEAM LEADERS _____	
LAND RESOURCES _____	
ENVIRONMENT _____	
FILES _____	

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

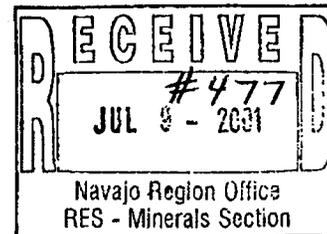
PS 7/12/2001
JH
543
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

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



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

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

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

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

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

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

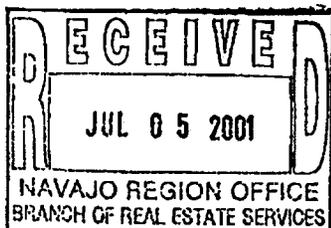
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



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

NOTE: Check forwarded to Ella 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 trust 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.

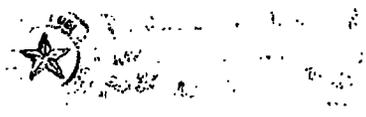
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

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 World Center South, Suite 1900, Houston, Texas 77027-3301
Phone: (713) 297-4600 • Facsimile: (713) 297-4750

NW Bond

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

BOND NO 8027 31 97

wherein

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

FEDERAL INSURANCE COMPANY AS SURETY,

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

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

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

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

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

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

ExxonMobil Oil Corporation

By :



FEDERAL INSURANCE COMPANY

By:



Mary Pierson, Attorney-in-fact



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 deponent's presence.



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

Karen 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 or 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 07:06 NO.133 03/04

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

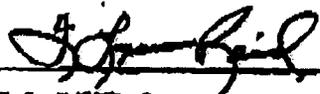
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

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



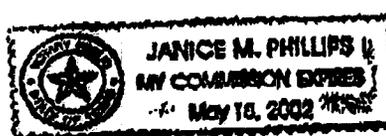
F. L. REID, Secretary

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

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

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

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

100 cc
STATE OF NEW YORK
DEPARTMENT OF STATE

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

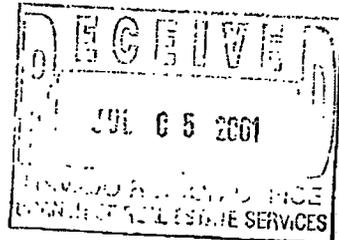
5959 Las Colinas Blvd.
(Mailing address)

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. Leuch", with a long horizontal line extending to the right.

Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

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 19-13	19-41S-24E	43-037-31719	6280	INDIAN	OW	P
RATHERFORD UNIT 19-24 (MULTI-LEG)	19-41S-24E	43-037-31754	6280	INDIAN	OW	P
RATHERFORD UNIT 20-44	20-41S-24E	43-037-30915	6280	INDIAN	OW	P
20-13	20-41S-24E	43-037-30917	6280	INDIAN	OW	P
20-24	20-41S-24E	43-037-30918	6280	INDIAN	OW	P
20-22	20-41S-24E	43-037-30930	6280	INDIAN	OW	P
RATHERFORD UNIT 20-33	20-41S-24E	43-037-30931	6280	INDIAN	OW	S
RATHERFORD UNIT 20-11	20-41S-24E	43-037-31049	6280	INDIAN	OW	S
RATHERFORD UNIT 20-31	20-41S-24E	43-037-31050	6280	INDIAN	OW	P
RATHERFORD UNIT 20-42	20-41S-24E	43-037-31051	6280	INDIAN	OW	P
RATHERFORD 20-68	20-41S-24E	43-037-31591	6280	INDIAN	OW	P
RATHERFORD 20-66	20-41S-24E	43-037-31592	6280	INDIAN	OW	P
21-23	21-41S-24E	43-037-13754	6280	INDIAN	OW	S
21-32	21-41S-24E	43-037-15755	6280	INDIAN	OW	S
21-34	21-41S-24E	43-037-15756	6280	INDIAN	OW	S
RATHERFORD UNIT 21-11	21-41S-24E	43-037-31052	6280	INDIAN	OW	S
RATHERFORD UNIT 21-24	21-41S-24E	43-037-31720	6280	INDIAN	OW	P
RATHERFORD UNIT 21-77	21-41S-24E	43-037-31758	6280	INDIAN	OW	S
RATHERFORD UNIT 28-11	28-41S-24E	43-037-30446	6280	INDIAN	OW	P
29-34	29-41S-24E	43-037-15340	6280	INDIAN	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

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

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/15/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/15/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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: 14-20-60-3355
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SHIP ROCK
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: UTU68931A
		8. WELL NAME and NUMBER: RATHERFORD UNIT 21-32
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	9. API NUMBER: 4303715755	
2. NAME OF OPERATOR: EXXONMOBIL OIL CORPORATION	10. FIELD AND POOL, OR WILDCAT: ANETH	
3. ADDRESS OF OPERATOR: P.O. BOX 4358 CITY HOUSTON STATE TX ZIP 77210-4358	PHONE NUMBER: (281) 654-1946	
4. LOCATION OF WELL FOOTAGES AT SURFACE: ¹⁸⁴⁰ 1980 FNL 1980 FEL	COUNTY: SAN JUAN	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 21 41S 24E S	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: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" 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.

4/11/2005 Set CIBP @ 5330'. Located casing leak between 2420' - 2450'

Ratherford Unit 21-32 Proposed Plug and Abandon Procedure

1. MIRU WSU. Bleed off pressure. Kill well as necessary. ND tree and NU BOPE.

2. POOH laying down kill string. PU and RIH with open ended 2 7/8" workstring to top of CIBP @ 5325'.

3. MIRU BJ Services cementing equipment. Spot an 1100' balanced cement plug from 5325' to 4225' with 131 sx Class H cement (15.8 ppg, 1.15 yield). PUH above cement and reverse workstring clean.

4. Allow time for cement to harden. Run back in hole and tag cement. Circulate wellbore with 10 ppg mud. POH laying down excess workstring.

5. MIRU wireline. Install/test Class II lubricator/bope. Perforate 5-1/2" casing from 1420-1421' with 4spf (8 holes). Establish circulation between 8-5/8" x 5-1/2" casing strings. Once circulation is established, RDMO wireline unit.

(Continued on next page)

NAME (PLEASE PRINT) <u>MARK BOLTON</u>	TITLE <u>SR. REGULATORY SPECIALIST</u>
SIGNATURE <u><i>Mark Bolton</i></u>	DATE <u>8/30/2005</u>

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 9/7/05

By: *DSL* (See Instructions on Reverse Side)

* recommend plug @ top of Perma ^{2395'}

Federal Approval Of This
Action Is Necessary

RECEIVED

SEP 06 2005

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 9-9-05
Initials: *CD*

Ratherford Unit 21-32 Proposed Plug and Abandon Procedure (CONTINUED)

6. PU and RIH with 5-1/2" CICR and workstring. Set CICR @ 1400'. Establish circulation and squeeze 230 sx Type III cement (14.6ppg and 1.37 cu ft/sx yield) between the 8-5/8" x 5-1/2" casing string. Once good cement arrives at the surface, latch out of the CICR and fill the remaining casing to within 10' of the surface with 140 sx Type III cement (14.6ppg and 1.37 cu ft/sx yield). Lay down workstring as needed to spot cement.
7. ND BOPE and wellhead. PU and RIH with a 5-1/2" mechanical casing cutter. Cut 5-1/2" casing 6' below ground level. PU and lay down wellhead and mechanical cutter.
8. Top fill all casing strings with cement.
9. Weld steel cap with marker with the required information across the casing stub.
10. Clean location and RDMO WSU.
11. Complete the required location reclamation.

8/29/05 GW Massey

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING	
1. DJJ	
2. CDW	

X Change of Operator (Well Sold)

Operator Name Change/Merger

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See attached list</u>
2. NAME OF OPERATOR: <u>Resolute Natural Resources Company</u> <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Navajo Tribe</u>
3. ADDRESS OF OPERATOR: <u>1675 Broadway, Suite 1950</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: <u>Ratherford Unit</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: <u>See attached list</u>
PHONE NUMBER: <u>(303) 534-4600</u>		9. API NUMBER: <u>Attached</u>
10. FIELD AND POOL, OR WILDCAT: <u>Greater Aneth</u>		COUNTY: <u>San Juan</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <u>UTAH</u>

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

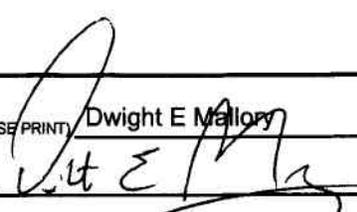
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT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

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

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

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

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

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

(This space for State use only)

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

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

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

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

RECEIVED
APR 21 2006

DIV. OF OIL, GAS & MINING

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	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: 14-20-603-355
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: 21-32
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037157550000
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202	PHONE NUMBER: 303 534-4600 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1880 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 21 Township: 41.0S Range: 24.0E 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: 3/27/2013 <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 checked="" 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 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"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Resolute proposes to drill a single horizontal lateral from the current vertical wellbore in our Ratherford Unit 21-32 to better drain the Desert Creek IA. The new lateral will be left open hole and will be produced commingled with existing perforations in the vertical wellbore.

Surg

4119527X
652185Y
37. 209824
-109. 284944

BHL

4120680X
651359Y
37. 220346
-109. 294007

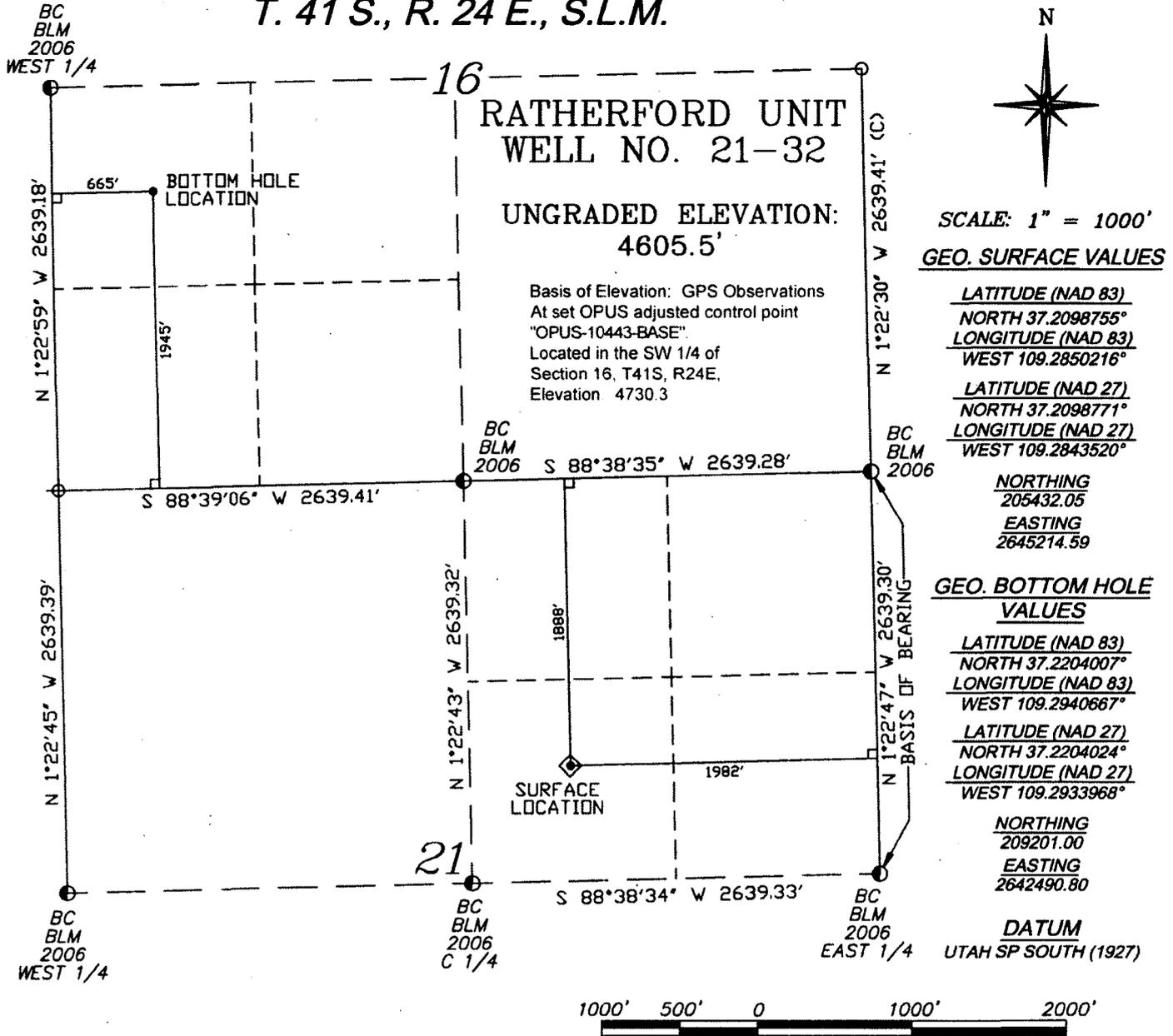
Approved by the
 Utah Division of
 Oil, Gas and Mining

 Date: 03-21-13
 By:

Federal Approval of this Action is Necessary

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A		DATE 3/14/2013

T. 41 S., R. 24 E., S.L.M.



SURVEYOR'S STATEMENT:

I, John A. Vukonich, of Farmington, New Mexico, hereby state: This plat was made from notes taken during an actual survey under my direct supervision on FEBRUARY 11, 2013, and it correctly shows the location of RATHERFORD UNIT WELL NO. 21-32.

LEGEND

- ◆ SURFACE WELL LOCATION
- BOTTOM HOLE LOCATION
- ⊙ FOUND MONUMENT
- CALCULATED POSITION
- ⊕ SECTION CORNER POSITION CALCULATED FROM WITNESS CORNER
- L DENOTES 90° TIE
- (C) CALCULATED

PROFESSIONAL LAND SURVEYOR
 No. 7219139
 JOHN A. VUKONICH
 UTAH PLS No. 7219139-2201
 STATE OF UTAH
 EXHIBIT A

UNITED FIELD SERVICES INC.		PLAT OF PROPOSED WELL LOCATION FOR RESOLUTE NATURAL RESOURCES COMPANY	
P.O. BOX 3651 FARMINGTON, N.M. (505) 334-0408	SCALE: 1" = 1000'	SURFACE: 1888' F/NL & 1982' F/EL, SECTION 21, BOTTOM HOLE: 1945' F/SL & 665' F/WL, SECTION 16, T. 41 S, R. 24 E, SALT LAKE MERIDIAN SAN JUAN COUNTY, UTAH	
	JOB No. 10444		
	DATE: 02/26/13		

ADDITIONAL SUPPORT INFORMATION
Sundry – Notice of Intent
Ratherford Unit 21-32H Producer
Drill Single Horizontal Lateral for DC-1A Reserves

1. Formation Tops

Existing Formation Tops (MD):

Upper Ismay:	5266'
Lower Ismay:	5358'
Gothic Shale:	5411'
Desert Creek IA	5428'
Desert Creek IB	5455'

2. Wellbore Diagrams –

Existing Wellbore Diagram – Attachment No. 1

Proposed Wellbore Diagram – Attachment No. 2

3. BOP Diagram and Equipment Description – Attachment No. 3

4. Directional Plan – Attachment No. 4

5. Drilling Mud Specifications

- a. Proposed to drill laterals with N2 foamed fresh water fluid, in an underbalanced situation, or if conditions warrant,
- b. CaCl₂ brine water will be used, and if this will not control formation pressure during the drilling operations,
- c. Drilling mud with a salt polymer will be used if required for control of formation pressure during the drilling operations

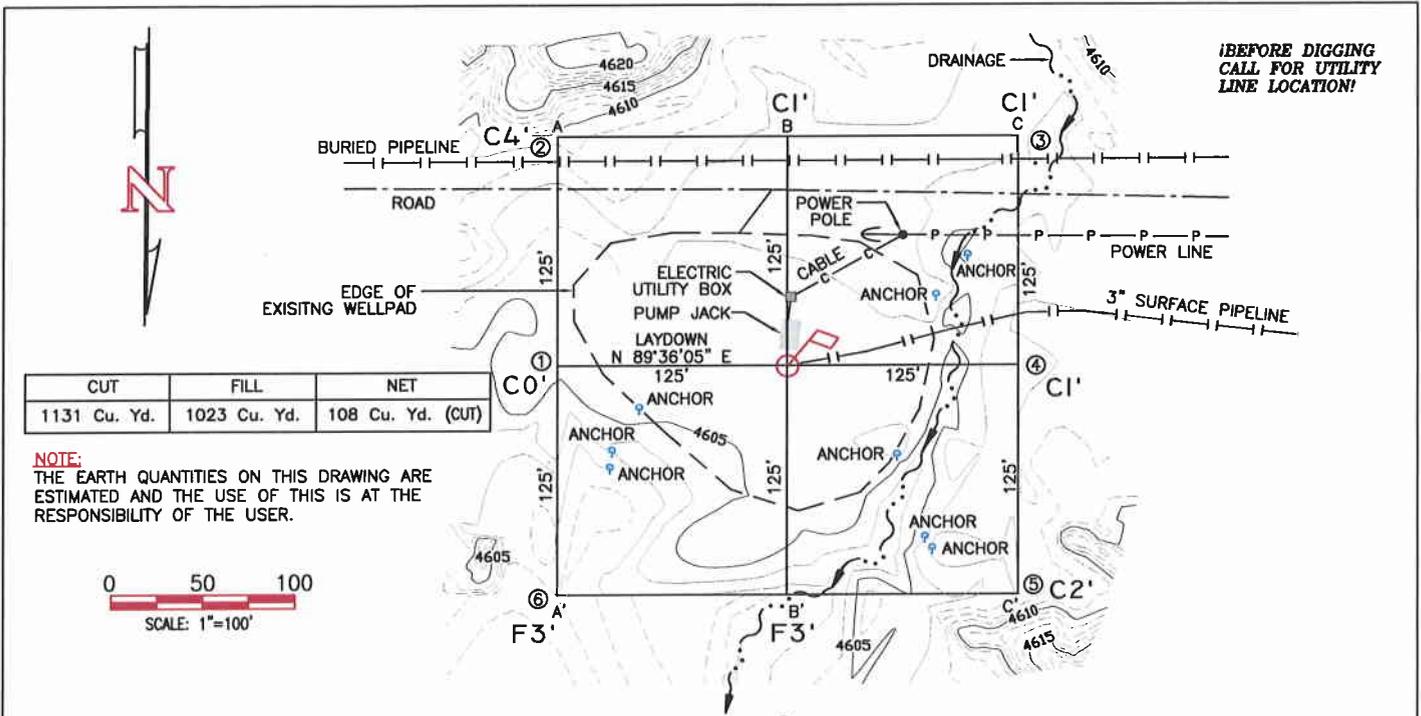
Ratherford Unit 21-32H
1888' FNL & 1982' FEL
Sec 21, T41S, R24E
San Juan County, Utah
API 43-037-15755

Job Scope – Drill a single horizontal lateral from the current vertical wellbore to better drain the Desert Creek IA. The new lateral will be left open hole and will be produced commingled with existing perforations in the vertical wellbore.

Procedure: (Sundry Notice of Intent)

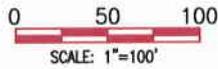
1. MIRU Well Service Unit.
2. Pull & LD rods & pump.
3. NU BOP, Pull production tubing & BHA.
4. Make cleanout trip to ~5595' PBD with bit & scraper.
5. Run Casing Inspection and Cement Bond Logs from PBD to surface.
6. Set RBP at ~5220' for KOP at 5217'. (Exact depth to be determined from csg inspection & CBL logs, and final whipstock configuration.)
7. RIH & set whipstock on RBP & orient same.
8. Mill ~7' window in 5-1/2" casing for 5217' KOP.
9. Drill the curve & 4-3/4" x 360' lateral roughly north to horizontal at ~5577' MD.
10. Begin left turn (NW) at 12 deg/100' until ~6505' MD, and continue at 312.77 azimuth to TD at ~10,491' MD. (Directional plan attached.)
11. Acid stimulate the open hole lateral & flow back the acid load volume.

12. Retrieve the whipstock & RBP.
13. Run production tubing & BHA.
14. Run rods & insert pump.
15. ND BOPE, NU Wellhead & flow line.
16. RDMO Drilling rig.



CUT	FILL	NET
1131 Cu. Yd.	1023 Cu. Yd.	108 Cu. Yd. (CUT)

NOTE:
THE EARTH QUANTITIES ON THIS DRAWING ARE ESTIMATED AND THE USE OF THIS IS AT THE RESPONSIBILITY OF THE USER.



A-A'

4620				
4610				
4600				
4590				
4580				

B-B'

4620				
4610				
4600				
4590				
4580				

C-C'

4620				
4610				
4600				
4590				
4580				

CROSS SECTIONS
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

EXHIBIT IA

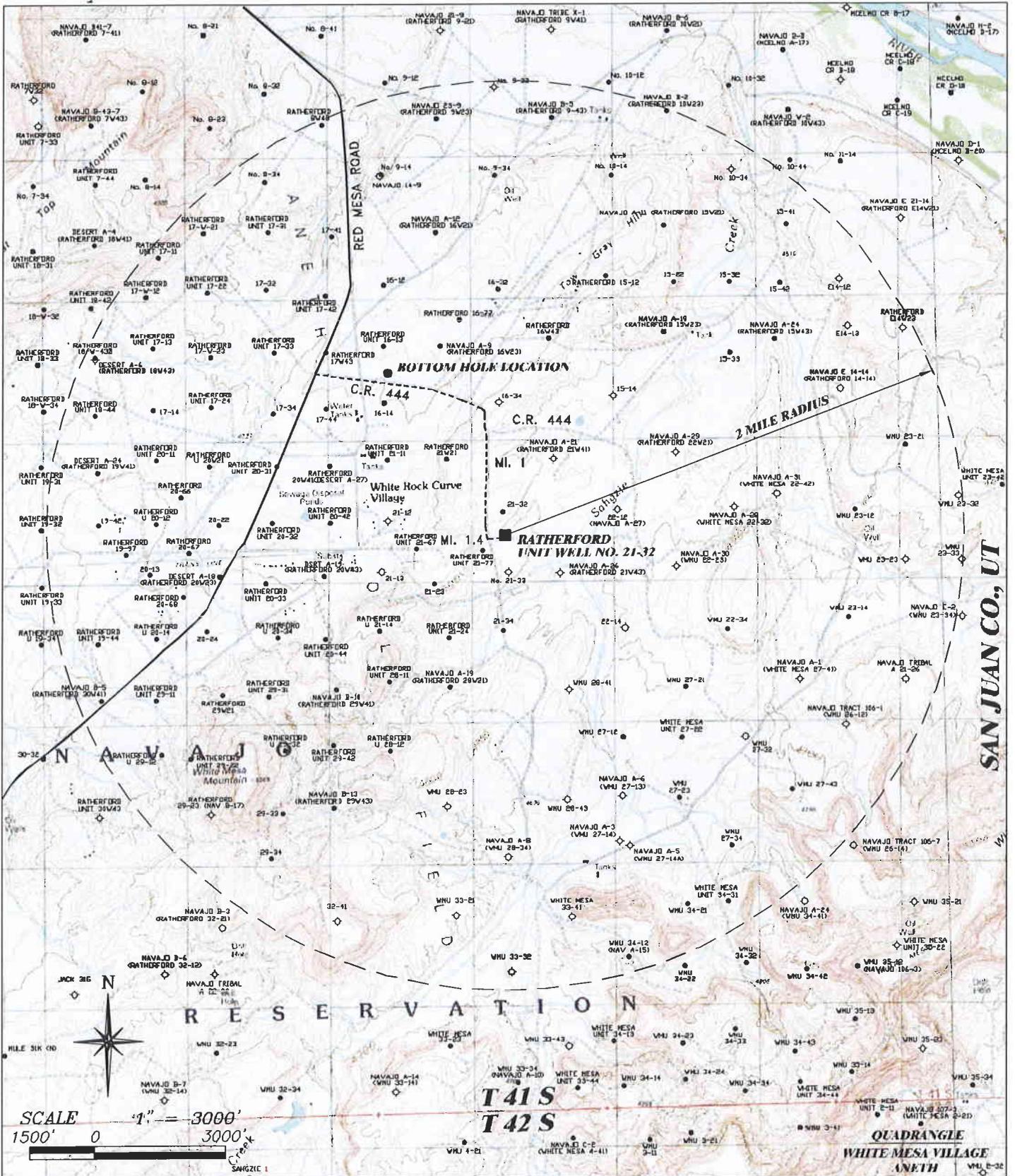
RESOLUTE
NATURAL RESOURCES

LEASE: RATHERFORD UNIT WELL NO. 21-32
 1888' FNL, 1982' FEL (SURFACE) SEC. 21
 FOOTAGES: 1945' FSL, 665' FWL (BOTTOM HOLE) SEC. 16
 SEC. 21 TWN. 41 S RNG. 24 E S.L.M.
 LATITUDE: N 37.2098755° LONGITUDE: W 109.2850216°
 ELEVATION: 4605

SURVEYED: 02/11/13	REV. DATE:	APP. BY J.A.V.
DRAWN BY: H.S.	DATE DRAWN: 02/26/13	FILE NAME: 10444C01

UNITED
FIELD SERVICES INC.

P.O. BOX 3651
FARMINGTON, NM 87499
OFFICE: (505) 334-0408



**PROPOSED WELL LOCATION FOR
RESOLUTE NATURAL RESOURCES
RATHERFORD UNIT WELL NO. 21-32**



P.O. BOX 3651
FARMINGTON, N.M.
(505) 334-0408

SCALE: 1" = 3000'
JOB No. 10444
DATE: 02/26/13

EXISTING ROAD 
ACCESS/EGRESS 

EXHIBIT
2A

Sundry Number: 35624 API Well Number: 43037157550000



Site: Rutherford Unit
Well: Rutherford Unit 21-32H
Wellbore: Wellbore #1
Design: Design #1

Reference Details - WELL CENTRE

Geodetic System: US State Plane 1927 (Exact solution)
Ellipsoid: Clarke 1866
Zone: Utah South 4303
Northing: 205439.31
Easting: 2645300.64
Latitude: 37° 12' 35.6038 N
Longitude: 109° 17' 2.7240 W
Grid Convergence: 1.36° West
Ground Elevation: 4603.00
KB Elevation: WELL @ 4614.00ft (Original Well Elev)



ANNOTATIONS

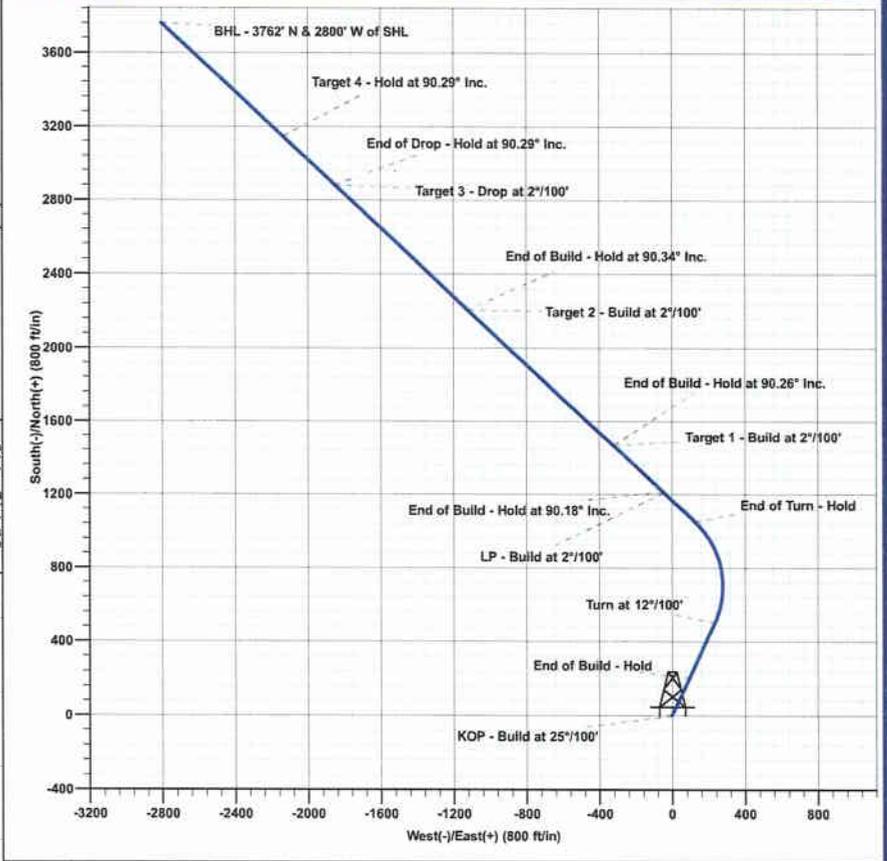
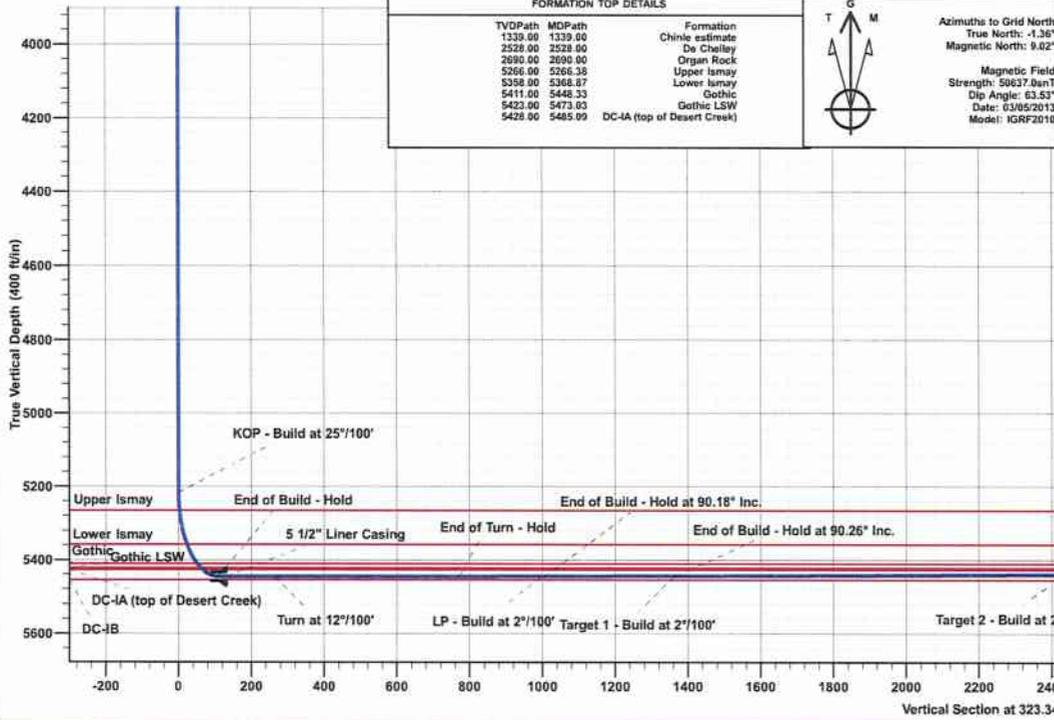
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
5217.00	5217.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP - Build at 25°/100'
5446.18	5577.00	90.00	25.00	287.71	96.86	108.81	229.18	End of Build - Hold
5446.18	5962.95	90.00	25.00	503.12	234.51	283.55	555.13	Turn at 12°/100'
5446.18	6504.95	90.00	312.77	1055.46	126.04	771.47	1157.13	End of Turn - Hold
5446.18	6734.50	90.00	312.77	1211.35	-42.46	897.13	1386.68	LP - Build at 2°/100'
5446.18	6743.50	90.18	312.77	1217.46	-48.07	1005.98	1395.68	End of Build - Hold at 90.18° Inc.
5445.04	7106.55	90.18	312.77	1464.01	-315.56	1362.86	1758.73	Target 1 - Build at 2°/100'
5445.02	7110.55	90.26	312.77	1466.72	-318.50	1366.80	1762.73	End of Build - Hold at 90.26° Inc.
5446.08	8199.71	90.26	312.77	2265.68	-1117.25	2436.48	2850.88	Target 2 - Build at 2°/100'
5440.06	8202.71	90.34	312.77	2288.40	-1128.18	2440.41	2854.88	End of Build - Hold at 90.34° Inc.
5434.18	9193.55	90.34	312.77	2881.27	-1847.50	3414.42	3845.70	Target 3 - Drop at 2°/100'
5434.17	9196.05	90.29	312.77	2892.96	-1849.33	3418.88	3848.20	End of Drop - Hold at 90.29° Inc.
5432.21	9583.82	90.29	312.77	3146.29	-2133.97	3798.06	4235.97	Target 4 - Hold at 90.29° Inc.
5427.61	10481.21	90.29	312.77	3762.40	-2860.03	4690.04	5143.34	BHL - 3762' N & 2800' W of SHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1339.00	1339.00	Chinle estimate
2528.00	2528.00	De Chelley
2690.00	2690.00	Organ Rock
5266.00	5266.38	Upper Ismay
5398.00	5368.87	Lower Ismay
5411.00	5448.33	Gothic
5423.00	5473.63	Gothic LSW
5428.00	5485.99	DC-1A (top of Desert Creek)



Azimuths to Grid North
True North: -1.36°
Magnetic North: 9.02°
Magnetic Field
Strength: 59637.0nT
Dip Angle: 63.53°
Date: 6/30/2013
Model: IGRF2010



RECEIVED: Mar. 14, 2013

Resolute

Resolute Natural Resources

San Juan Co., UT

Ratherford Unit

Ratherford Unit 21-32H

Wellbore #1

Plan: Design #1

Standard Planning Report

06 March, 2013



Resolute

Planning Report



Database: EDM 5000.1 Single User Db
 Company: Resolute Natural Resources
 Project: San Juan Co., UT
 Site: Rutherford Unit
 Well: Rutherford Unit 21-32H
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well Rutherford Unit 21-32H
 TVD Reference: WELL @ 4614.00ft (Original Well Elev)
 MD Reference: WELL @ 4614.00ft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project	San Juan Co., UT		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah South 4303		

Site	Rutherford Unit				
Site Position:		Northing:	214,660.38 ft	Latitude:	37° 14' 5.8560 N
From:	Lat/Long	Easting:	2,649,100.94 ft	Longitude:	109° 16' 13.0440 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	1.37 °

Well	Rutherford Unit 21-32H					
Well Position	+N/-S	-9,221.07 ft	Northing:	205,439.31 ft	Latitude:	37° 12' 35.6038 N
	+E/-W	-3,800.30 ft	Easting:	2,645,300.64 ft	Longitude:	109° 17' 2.7240 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,603.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	03/05/13	(°) 10.37	(°) 63.53	(nT) 50,637

Design	Design #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	323.34	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,217.00	0.00	0.00	5,217.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,577.00	90.00	25.00	5,446.18	207.71	96.86	25.00	25.00	0.00	25.00	
5,902.95	90.00	25.00	5,446.18	503.12	234.61	0.00	0.00	0.00	0.00	
6,504.84	90.00	312.77	5,446.18	1,055.39	126.12	12.00	0.00	-12.00	-90.00	
6,504.95	90.00	312.77	5,446.18	1,055.46	126.04	2.00	-2.00	-0.02	-179.45	
6,734.39	90.00	312.77	5,446.19	1,211.27	-42.38	0.00	0.00	0.00	0.00	
6,734.50	90.00	312.77	5,446.19	1,211.35	-42.46	2.00	2.00	0.04	1.18	RU 21-32H LP
6,743.50	90.18	312.77	5,446.18	1,217.46	-49.07	2.00	2.00	0.00	0.00	
7,106.55	90.18	312.77	5,445.04	1,464.01	-315.56	0.00	0.00	0.00	0.00	RU 21-32H Tgt 1
7,110.55	90.26	312.77	5,445.02	1,466.72	-318.50	2.00	2.00	0.00	0.00	
8,198.71	90.26	312.77	5,440.08	2,205.68	-1,117.25	0.00	0.00	0.00	0.00	RU 21-32H Tgt 2
8,202.71	90.34	312.77	5,440.06	2,208.40	-1,120.18	2.00	2.00	0.00	0.00	
9,193.55	90.34	312.77	5,434.18	2,881.27	-1,847.50	0.00	0.00	0.00	0.00	RU 21-32H Tgt 3
9,196.05	90.29	312.77	5,434.17	2,882.96	-1,849.33	2.00	-2.00	0.00	180.00	
9,583.82	90.29	312.77	5,432.21	3,146.29	-2,133.97	0.00	0.00	0.00	0.00	RU 21-32H Tgt 4
10,491.21	90.29	312.77	5,427.61	3,762.49	-2,800.03	0.00	0.00	0.00	0.00	RU 21-32H BHL

Resolute

Planning Report



Database: EDM 5000.1 Single User Db
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 Site: Rutherford Unit
 Well: Rutherford Unit 21-32H
 Wellbore #: Wellbore #1
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 MD Reference: WELL @ 4614.00ft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,217.00	0.00	0.00	5,217.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP - Build at 25°/100'										
5,266.38	12.35	25.00	5,266.00	4.80	2.24	2.52	25.00	25.00	0.00	
Upper Ismay										
5,300.02	20.75	25.00	5,298.22	13.48	6.29	7.06	24.99	24.99	0.00	
5,368.87	37.97	25.00	5,358.00	43.96	20.50	23.03	25.01	25.01	0.00	
Lower Ismay										
5,400.02	45.75	25.00	5,381.18	62.79	29.28	32.89	24.98	24.98	0.00	
5,448.33	57.83	25.00	5,411.00	97.12	45.29	50.88	25.01	25.01	0.00	
Gothic										
5,473.03	64.01	25.00	5,423.00	116.68	54.41	61.12	25.00	25.00	0.00	
Gothic LSW										
5,485.09	67.02	25.00	5,428.00	126.63	59.05	66.33	25.00	25.00	0.00	
DC-IA (top of Desert Creek)										
5,500.02	70.75	25.00	5,433.38	139.25	64.93	72.94	24.97	24.97	0.00	
5,538.76	80.44	25.00	5,443.00	173.21	80.77	90.74	25.01	25.01	0.00	
Target landing within DC-IA										
5,577.00	90.00	25.00	5,446.18	207.71	96.86	108.81	25.00	25.00	0.00	
End of Build - Hold										
5,600.02	90.00	25.00	5,446.18	228.57	106.59	119.74	0.00	0.00	0.00	
5,622.00	90.00	25.00	5,446.18	248.49	115.87	130.17	0.00	0.00	0.00	
5 1/2" Liner Casing										
5,700.02	90.00	25.00	5,446.18	319.21	148.85	167.21	0.00	0.00	0.00	
5,800.02	90.00	25.00	5,446.18	409.84	191.11	214.69	0.00	0.00	0.00	
5,900.02	90.00	25.00	5,446.18	500.47	233.37	262.16	0.00	0.00	0.00	
5,902.95	90.00	25.00	5,446.18	503.12	234.61	263.55	0.00	0.00	0.00	
Turn at 12°/100'										
6,000.02	90.00	13.35	5,446.18	594.65	266.44	317.98	12.00	0.00	-12.00	
6,100.02	90.00	1.35	5,446.18	693.65	279.21	389.77	12.00	0.00	-12.00	
6,200.02	90.00	349.35	5,446.18	793.14	271.12	474.42	12.00	0.00	-12.00	
6,300.02	90.00	337.35	5,446.18	888.77	242.52	568.21	12.00	0.00	-12.00	
6,400.02	90.00	325.35	5,446.18	976.37	194.66	667.05	12.00	0.00	-12.00	
6,500.02	90.00	313.35	5,446.18	1,052.10	129.64	766.63	12.00	0.00	-12.00	
6,504.84	90.00	312.77	5,446.18	1,055.39	126.12	771.36	12.06	0.00	-12.06	
6,504.95	90.00	312.77	5,446.18	1,055.46	126.04	771.47	2.00	-2.00	-0.02	
End of Turn - Hold										
6,600.02	90.00	312.77	5,446.19	1,120.03	56.25	864.94	0.00	0.00	0.00	
6,700.03	90.00	312.77	5,446.19	1,187.94	-17.15	963.24	0.00	0.00	0.00	
6,734.39	90.00	312.77	5,446.19	1,211.27	-42.38	997.02	0.00	0.00	0.00	
6,734.50	90.00	312.77	5,446.19	1,211.35	-42.46	997.13	2.00	2.00	0.04	
LP - Build at 2°/100'										
6,743.50	90.18	312.77	5,446.18	1,217.46	-49.07	1,005.98	2.00	2.00	0.00	
End of Build - Hold at 90.18° Inc.										
6,800.03	90.18	312.77	5,446.00	1,255.85	-90.56	1,061.54	0.00	0.00	0.00	
6,900.03	90.18	312.77	5,445.69	1,323.76	-163.96	1,159.85	0.00	0.00	0.00	
7,000.03	90.18	312.77	5,445.37	1,391.67	-237.37	1,258.15	0.00	0.00	0.00	
7,100.03	90.18	312.77	5,445.06	1,459.58	-310.77	1,356.45	0.00	0.00	0.00	
7,106.55	90.18	312.77	5,445.04	1,464.01	-315.56	1,362.86	0.00	0.00	0.00	
Target 1 - Build at 2°/100'										
7,110.55	90.26	312.77	5,445.02	1,466.72	-318.50	1,366.80	2.00	2.00	0.00	
End of Build - Hold at 90.26° Inc.										
7,200.03	90.26	312.77	5,444.62	1,527.49	-384.18	1,454.75	0.00	0.00	0.00	

Resolute

Planning Report



Database: EDM 5000.1 Single User Db
 Company: Resolute Natural Resources
 Project: San Juan Co., UT
 Site: Ratherford Unit
 Well: Ratherford Unit 21-32H
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well Ratherford Unit 21-32H
 TVD Reference: WELL @ 4614.00ft (Original Well Elev)
 MD Reference: WELL @ 4614.00ft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,300.03	90.26	312.77	5,444.16	1,595.40	-457.58	1,553.06	0.00	0.00	0.00
7,400.03	90.26	312.77	5,443.71	1,663.31	-530.99	1,651.36	0.00	0.00	0.00
7,500.03	90.26	312.77	5,443.25	1,731.21	-604.39	1,749.66	0.00	0.00	0.00
7,600.03	90.26	312.77	5,442.80	1,799.12	-677.79	1,847.96	0.00	0.00	0.00
7,700.03	90.26	312.77	5,442.35	1,867.03	-751.20	1,946.27	0.00	0.00	0.00
7,800.03	90.26	312.77	5,441.89	1,934.94	-824.60	2,044.57	0.00	0.00	0.00
7,900.03	90.26	312.77	5,441.44	2,002.85	-898.01	2,142.87	0.00	0.00	0.00
8,000.03	90.26	312.77	5,440.99	2,070.76	-971.41	2,241.17	0.00	0.00	0.00
8,100.03	90.26	312.77	5,440.53	2,138.67	-1,044.82	2,339.48	0.00	0.00	0.00
8,198.71	90.26	312.77	5,440.08	2,206.58	-1,117.25	2,436.48	0.00	0.00	0.00
Target 2 - Build at 2°/100'									
8,200.03	90.29	312.77	5,440.08	2,206.58	-1,118.22	2,437.78	2.00	2.00	0.00
8,202.71	90.34	312.77	5,440.06	2,208.40	-1,120.18	2,440.41	2.00	2.00	0.00
End of Build - Hold at 90.34° Inc.									
8,300.03	90.34	312.77	5,439.49	2,274.49	-1,191.62	2,536.08	0.00	0.00	0.00
8,400.03	90.34	312.77	5,438.89	2,342.40	-1,265.03	2,634.38	0.00	0.00	0.00
8,500.03	90.34	312.77	5,438.30	2,410.31	-1,338.43	2,732.68	0.00	0.00	0.00
8,600.03	90.34	312.77	5,437.71	2,478.22	-1,411.83	2,830.99	0.00	0.00	0.00
8,700.03	90.34	312.77	5,437.11	2,546.12	-1,485.24	2,929.29	0.00	0.00	0.00
8,800.03	90.34	312.77	5,436.52	2,614.03	-1,558.64	3,027.59	0.00	0.00	0.00
8,900.03	90.34	312.77	5,435.93	2,681.94	-1,632.05	3,125.89	0.00	0.00	0.00
9,000.03	90.34	312.77	5,435.33	2,749.85	-1,705.45	3,224.19	0.00	0.00	0.00
9,100.03	90.34	312.77	5,434.74	2,817.76	-1,778.85	3,322.49	0.00	0.00	0.00
9,193.55	90.34	312.77	5,434.18	2,881.27	-1,847.50	3,414.42	0.00	0.00	0.00
Target 3 - Drop at 2°/100'									
9,196.05	90.29	312.77	5,434.17	2,882.96	-1,849.33	3,416.88	2.00	-2.00	0.00
End of Drop - Hold at 90.29° Inc.									
9,200.03	90.29	312.77	5,434.15	2,885.67	-1,852.26	3,420.80	0.00	0.00	0.00
9,300.03	90.29	312.77	5,433.64	2,953.58	-1,925.66	3,519.10	0.00	0.00	0.00
9,400.04	90.29	312.77	5,433.14	3,021.49	-1,999.06	3,617.40	0.00	0.00	0.00
9,500.04	90.29	312.77	5,432.63	3,089.40	-2,072.47	3,715.70	0.00	0.00	0.00
9,583.82	90.29	312.77	5,432.21	3,146.29	-2,133.97	3,798.06	0.00	0.00	0.00
Target 4 - Hold at 90.29° Inc.									
9,600.04	90.29	312.77	5,432.13	3,157.31	-2,145.87	3,814.00	0.00	0.00	0.00
9,700.04	90.29	312.77	5,431.62	3,225.22	-2,219.28	3,912.31	0.00	0.00	0.00
9,800.04	90.29	312.77	5,431.11	3,293.12	-2,292.68	4,010.61	0.00	0.00	0.00
9,900.04	90.29	312.77	5,430.61	3,361.03	-2,366.08	4,108.91	0.00	0.00	0.00
10,000.04	90.29	312.77	5,430.10	3,428.94	-2,439.49	4,207.21	0.00	0.00	0.00
10,100.04	90.29	312.77	5,429.59	3,496.85	-2,512.89	4,305.51	0.00	0.00	0.00
10,200.04	90.29	312.77	5,429.09	3,564.76	-2,586.30	4,403.82	0.00	0.00	0.00
10,300.04	90.29	312.77	5,428.58	3,632.67	-2,659.70	4,502.12	0.00	0.00	0.00
10,400.04	90.29	312.77	5,428.08	3,700.58	-2,733.11	4,600.42	0.00	0.00	0.00
10,491.21	90.29	312.77	5,427.61	3,762.49	-2,800.03	4,690.04	0.00	0.00	0.00

BHL - 3762' N & 2800' W of SHL

Resolute

Planning Report



Database: EDM 5000.1 Single User Db
Company: Resolute Natural Resources
Project: San Juan Co., UT
Site: Rutherford Unit
Well: Rutherford Unit 21-32H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Rutherford Unit 21-32H
TVD Reference: WELL @ 4614.00ft (Original Well Elev)
MD Reference: WELL @ 4614.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
RU 21-32H Tgt 4 - plan misses target center by 0.79ft at 9583.81ft MD (5432.21 TVD, 3146.29 N, -2133.97 E) - Point	0.00	0.00	5,433.00	3,146.29	-2,133.97	208,585.60	2,643,166.67	37° 13' 7.2023 N	109° 17' 28.1763 W
RU 21-32H BHL - plan misses target center by 5.39ft at 10491.18ft MD (5427.61 TVD, 3762.47 N, -2800.01 E) - Point	0.00	0.00	5,433.00	3,762.49	-2,800.03	209,201.80	2,642,500.61	37° 13' 13.4486 N	109° 17' 36.2285 W
RU 21-32H Tgt 3 - plan misses target center by 0.82ft at 9193.55ft MD (5434.18 TVD, 2881.26 N, -1847.49 E) - Point	0.00	0.00	5,435.00	2,881.26	-1,847.50	208,320.57	2,643,453.14	37° 13' 4.5158 N	109° 17' 24.7132 W
RU 21-32H Tgt 2 - plan misses target center by 0.92ft at 8198.70ft MD (5440.08 TVD, 2205.68 N, -1117.24 E) - Point	0.00	0.00	5,441.00	2,205.68	-1,117.25	207,644.99	2,644,183.39	37° 12' 57.6673 N	109° 17' 15.8856 W
RU 21-32H Tgt 1 - plan misses target center by 0.96ft at 7106.55ft MD (5445.04 TVD, 1464.00 N, -315.56 E) - Point	0.00	0.00	5,446.00	1,464.01	-315.56	206,903.32	2,644,985.08	37° 12' 50.1486 N	109° 17' 6.1950 W
RU 21-32H LP - plan hits target center - Point	0.00	0.00	5,446.19	1,211.35	-42.46	206,650.66	2,645,258.18	37° 12' 47.5873 N	109° 17' 2.8939 W

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(")	(")	
173.00	173.00	13-3/8" Surface Casing	13-3/8	17-1/2	
1,365.00	1,365.00	8-5/8" Interm Casing	8-5/8	10-5/8	
5,622.00	5,446.18	5 1/2" Liner Casing	5-1/2	6	

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
1,339.00	1,339.00	Chinle estimate			
2,528.00	2,528.00	De Chelley			
2,690.00	2,690.00	Organ Rock			
5,266.38	5,266.00	Upper Ismay			
5,368.87	5,358.00	Lower Ismay			
5,448.33	5,411.00	Gothic			
5,473.03	5,423.00	Gothic LSW			
5,485.09	5,428.00	DC-IA (top of Desert Creek)			
5,538.76	5,443.00	Target landing within DC-IA			

Resolute

Planning Report



Database: EDM 5000.1 Single User Db
Company: Resolute Natural Resources
Project: San Juan Co., UT
Site: Rutherford Unit
Well: Rutherford Unit 21-32H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Rutherford Unit 21-32H
TVD Reference: WELL @ 4614.00ft (Original Well Elev)
MD Reference: WELL @ 4614.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,217.00	5,217.00	0.00	0.00	KOP - Build at 25°/100'
5,577.00	5,446.18	207.71	96.86	End of Build - Hold
5,902.95	5,446.18	503.12	234.61	Turn at 12°/100'
6,504.95	5,446.18	1,055.46	126.04	End of Turn - Hold
6,734.50	5,446.19	1,211.35	-42.46	LP - Build at 2°/100'
6,743.50	5,446.18	1,217.46	-49.07	End of Build - Hold at 90.18° Inc.
7,106.55	5,445.04	1,464.01	-315.56	Target 1 - Build at 2°/100'
7,110.55	5,445.02	1,466.72	-318.50	End of Build - Hold at 90.26° Inc.
8,198.71	5,440.08	2,205.68	-1,117.25	Target 2 - Build at 2°/100'
8,202.71	5,440.06	2,208.40	-1,120.18	End of Build - Hold at 90.34° Inc.
9,193.55	5,434.18	2,881.27	-1,847.50	Target 3 - Drop at 2°/100'
9,196.05	5,434.17	2,882.96	-1,849.33	End of Drop - Hold at 90.29° Inc.
9,583.82	5,432.21	3,146.29	-2,133.97	Target 4 - Hold at 90.29° Inc.
10,491.21	5,427.61	3,762.49	-2,800.03	BHL - 3762' N & 2800' W of SHL

RATHERFORD UNIT # 21-32

GREATER ANETH FIELD

1888' FNL & 1982' FEL

SEC 21-T41S-R24E

SAN JUAN COUNTY, UTAH

API 43-037-15755

PRODUCER

Attachment 1 - Existing

Current as of 3/14/13 by Jim Styler

KB 4614'

GL 4603'

Hole Size: 17-1/2"

Hole Size: 11"

Hole Size: 7-7/8"

(05/07)
SQUEEZED
Casing leak 2420-2450'

Conductor Pipe: 13-3/8" 27.1# set at 173'
w/ 175 sx. Circ to surface. 8-3-59

8-5/8" 24# J-55 set at 1365'
w/ 455 sx. Pumped 150 sx
down annulus 8-3-59.

← 2-7/8 6.5# J-55 Tubing 7-17-2008.

TAC @ 5219' KB 7-17-2008

SN @ 5410' KB 7-17-2008

SMA/EOT to 5443' KB 7-17-2008

CO TD 5591' (1/4/08)
Original PBTD 5595' 8-3-59

- 5427-31' Perf'd 4 spf 8-27-59
- 5435-53' Perf'd 4 spf 8-27-59
- 5494-98' Perf'd 4 spf 8-27-59
- 5502-20' Perf'd 4 spf 8-27-59
- 5556-61' Perf'd 4 spf 8-27-59

TD 5623' 8-3-59

5-1/2" 14# J-55 set at 5622'
w/ 132 sx. Calc TOC at 2480' 8-3-59

RATHERFORD UNIT # 21-32

GREATER ANETH FIELD

1888' FNL & 1982' FEL

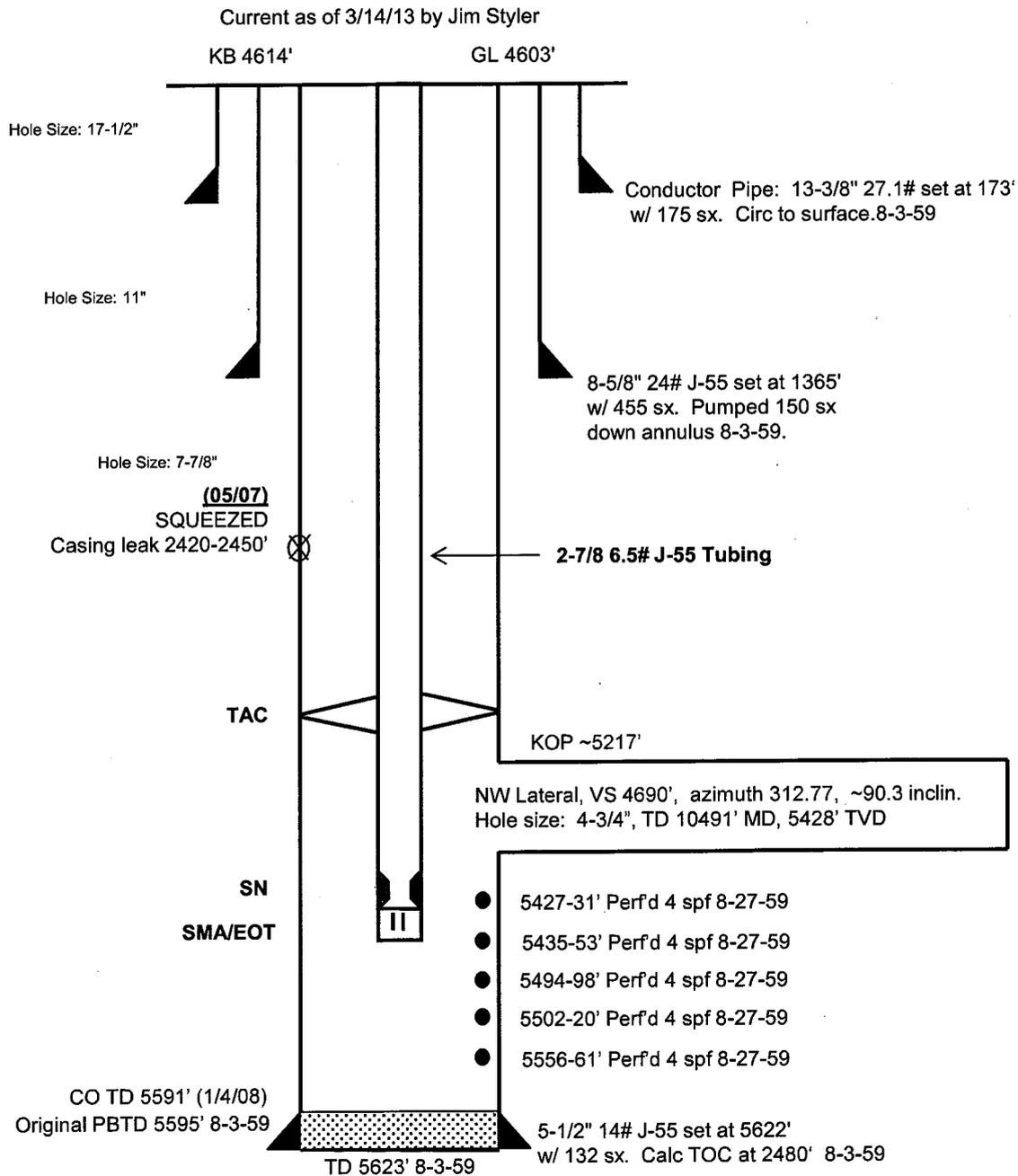
SEC 21-T41S-R24E

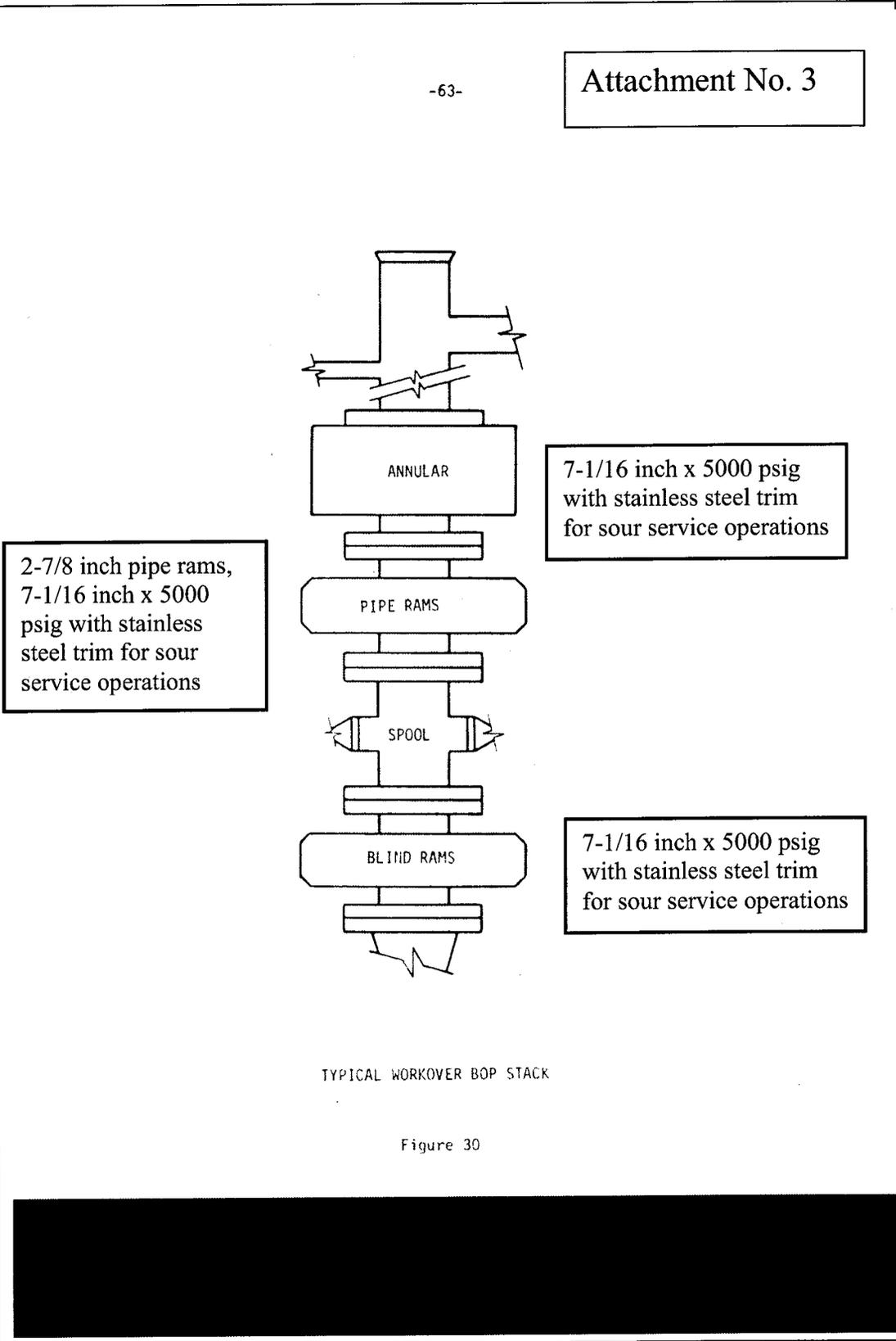
SAN JUAN COUNTY, UTAH

API 43-037-15755

PRODUCER

Attachment 2 - Proposed





Sundry Number: 35624 API Well Number: 43037157550000

SMU and well number 4303715

Well No.	WOP No.	WOP # 1996	WOP # 1997	Sec. Well No.	GPS Coordinates	East (1988)	North (1988)	API #	Completed	Comments	
Mileage											
1	12-0715	95-529	97-223	16-41S-26E	37° 13' 226" N	109° 12' 747" N	659930	4121700	29718 A3777	9/14/01	Abandoned
3	12-0716	95-531	97-202	17-41S-25E	37° 13' 196" N	019° 12' 187" N	659980	4120480	29718 A3777	10/3/01	
4	12-0717	95-532	97-203	17-41S-25E	37° 13' 166" N	019° 12' 147" N	659990	4120520	29718 A3777	10/17/01	
5	12-0718	95-533	97-204	17-41S-25E	37° 13' 137" N	019° 12' 107" N	659990	4120560	29718 A3777	10/19/01	
6	12-0719	95-534	97-205	17-41S-25E	37° 13' 097" N	019° 12' 067" N	659990	4120600	31023 A3777	4/26/02	
7	12-0720	95-512	97-206	17-41S-25E	37° 13' 067" N	019° 12' 027" N	659990	4120640	31023 A3777	4/30/02	
8	12-0721	95-513	97-207	17-41S-25E	37° 13' 037" N	019° 12' 007" N	659990	4120680	31023 A3777	5/4/02	
9	12-0722	95-514	97-208	17-41S-25E	37° 13' 010" N	109° 11' 032" N	659980	4120720	31023 A3777	5/8/02	
10	12-0723	95-515	97-209	17-41S-25E	37° 12' 980" N	109° 11' 002" N	659980	4120760	31023 A3777	5/12/02	
11	12-0724	95-516	97-210	17-41S-25E	37° 12' 950" N	109° 11' 007" N	659980	4120800	29718 A31023	11/28/02	
12	12-0725	95-517	97-211	17-41S-25E	37° 13' 028" N	109° 11' 768" N	660125	4120275	29718 A3777	12/5/02	Not in Service, no pump
13	12-0726	95-518	97-212	16-41S-25E	37° 13' 432" N	109° 12' 415" N	659145	4121010	29718 A31023	12/9/02	
14	12-0727	95-519	97-213	16-41S-25E	37° 13' 406" N	109° 12' 473" N	659045	4121010	A-31023	12/12/02	
15	12-0728	95-520	97-214	17-41S-25E	37° 13' 404" N	109° 12' 368" N	659230	4120960	A-31023	12/26/02	
16	12-0729	95-521	97-215	17-41S-25E	37° 13' 381" N	109° 12' 341" N	659205	4120870	A-31023	1/6/03	
17	12-0730	95-522	97-216	17-41S-25E	37° 13' 312" N	109° 12' 325" N	659785	4120785	A-31023	1/12/03	
18	12-0731	95-523	97-217	17-41S-25E	37° 13' 227" N	109° 12' 894" N	659640	4120770	29718 A3777	4/5/03	
19	12-0732	95-524	97-218	17-41S-25E	37° 13' 022" N	109° 12' 900" N	659825	4120730	29718 A3777	4/13/03	
20	12-0733	95-525	97-219	17-41S-25E	37° 13' 062" N	109° 12' 864" N	659780	4120335	29718 A3777	4/17/03	
21	12-0734	95-526	97-220	17-41S-25E	37° 13' 013" N	109° 12' 805" N	659635	4120240	29718 A3777	4/19/03	
22	12-0735	95-527	97-221	17-41S-25E	37° 13' 030" N	109° 12' 016" N	659750	4120278	A3777, 29718	4/22/03	Community
O-24	12-0736	95-528	97-222	17-41S-25E	37° 13' 476" N	109° 12' 504" N	659815	4120300		3/14/04	former oil well. MCDU O-24, 13-3/8" xurl 5-5/8" prod. csigs 1200' deep, out of service since 1975, needs P&A

Sundry Number: 35624 API Well Number: 43037157550000

Future and Filled-in Wells

Well No.	DWP No.	WUP # 1966	WUP # 1967	Sec-Twp-Rg	GPS Coordinates		East (1983)	North (1983)	Appl #	Completed	Comments
Ratherford											
1	09-0614	95-496	97-226	5-41S-24E	37° 15 333 N	109° 17 603 W	650740	4124380	32-733	12/21/61	
2	09-0615	95-497	97-225	5-41S-24E	37° 15 330 N	109° 17 565 W	650960	4124380	32-733	12/28/61	
3	09-0616	95-498	97-226	5-41S-24E	37° 15 232 N	109° 17 928 W	650380	4124380	32-733	12/21/61	
4	09-0617	95-499	97-227	5-41S-24E	37° 15 331 N	109° 17 900 W	650470	4124380	32-733	12/31/61	
5	09-0618	95-500	97-228	5-41S-24E	37° 15 335 N	109° 17 835 W	650650	4124380	32-733	12/11/62	
6	09-0619	95-501	97-228	5-41S-24E	37° 15 349 N	109° 17 776 W	650840	4124380	32-733	12/28/62	
7	09-0620	95-502	97-230	5-41S-24E	37° 15 353 N	109° 17 750 W	650900	4124380	32-733	12/15/63	
8	09-0621	95-503	97-231	5-41S-24E	37° 15 355 N	109° 17 720 W	651040	4124380	32-733	12/21/62	
9	09-0622	95-504	97-232	5-41S-24E	37° 15 360 N	109° 17 689 W	651120	4124400	32-733	12/27/62	
10	09-0623	95-504	97-233	5-41S-24E	37° 15 364 N	109° 17 650 W	651205	4124425	32-733	12/21/63	
11	09-0624	95-505	97-234	5-41S-24E	37° 15 365 N	109° 17 627 W	651290	4124430	32-733	12/6/63	
12	09-0625	95-506	97-235	5-41S-24E	37° 15 364 N	109° 17 545 W	651470	4124430	32-733	12/6/63	
13	09-0626	95-507	97-236	5-41S-24E	37° 15 367 N	109° 17 506 W	651560	4124430	32-733	1/16/63	
14	09-0627	95-508	97-237	5-41S-24E	37° 15 368 N	109° 17 464 W	651640	4124430	32-733	2/3/63	
15	09-0628	95-508	97-238	5-41S-24E	37° 15 373 N	109° 17 421 W	651750	4124460	32-733	2/4/63	
16	09-0629	95-510	97-239	5-41S-24E	37° 15 374 N	109° 17 381 W	651840	4124460	32-733	2/6/63	
14-33	09-0642	95-513	97-240	5-41S-24E	37° 15 389 N	109° 17 360 W	645850	4119050			Water well abandoned 05-01-1998. Cut & Capped

Summary										
	35	operated wells								
	2	not prod	95-528	95-517						
	2	aband.	95-529	95-511						
	1	NTU	95-527							
	40	Total Wells in listed in RCMA-55-DE, WUP 95-496 to 95-528 & 95-202								

Additional Unlisted Wells at Ratherford		Sec-Twp-Rg	GPS Coordinates		Appl #	Completed	Comments			
19		5-41S-24E	37° 15 217 N	109° 18 769 W	32-733	4/20/64	In service			
20		5-41S-24E	37° 15 220 N	109° 18 688 W	32-733	4/14/64	In Service			
22		5-41S-24E	37° 15 219 N	109° 18 632 W	32-733		Operable, but has power problems			
23		5-41S-24E	37° 15 228 N	109° 17 014 W	32-733	4/20/64	Operable, but has power problems			
	4	Additional unlisted wells								

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/14/2013

API NO. ASSIGNED: 43-037-15755

WELL NAME: 21-32
 OPERATOR: RESOLUTE NATURAL (N2700)
 CONTACT: SHERRY GLASS

PHONE NUMBER: 303-573-4886

PROPOSED LOCATION:

SWNE 21 410S 240E
 SURFACE: 1888 FNL 1982 FEL
 BOTTOM: 1945 FSL 0665 FWL
 COUNTY: SAN JUAN
 LATITUDE: 37.20982 LONGITUDE: -109.28494
 UTM SURF EASTINGS: 652185 NORTHINGS: 4119527
 FIELD NAME: GREATER ANETH (365)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian
 LEASE NUMBER: 14-20-603-355
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: DSCR
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

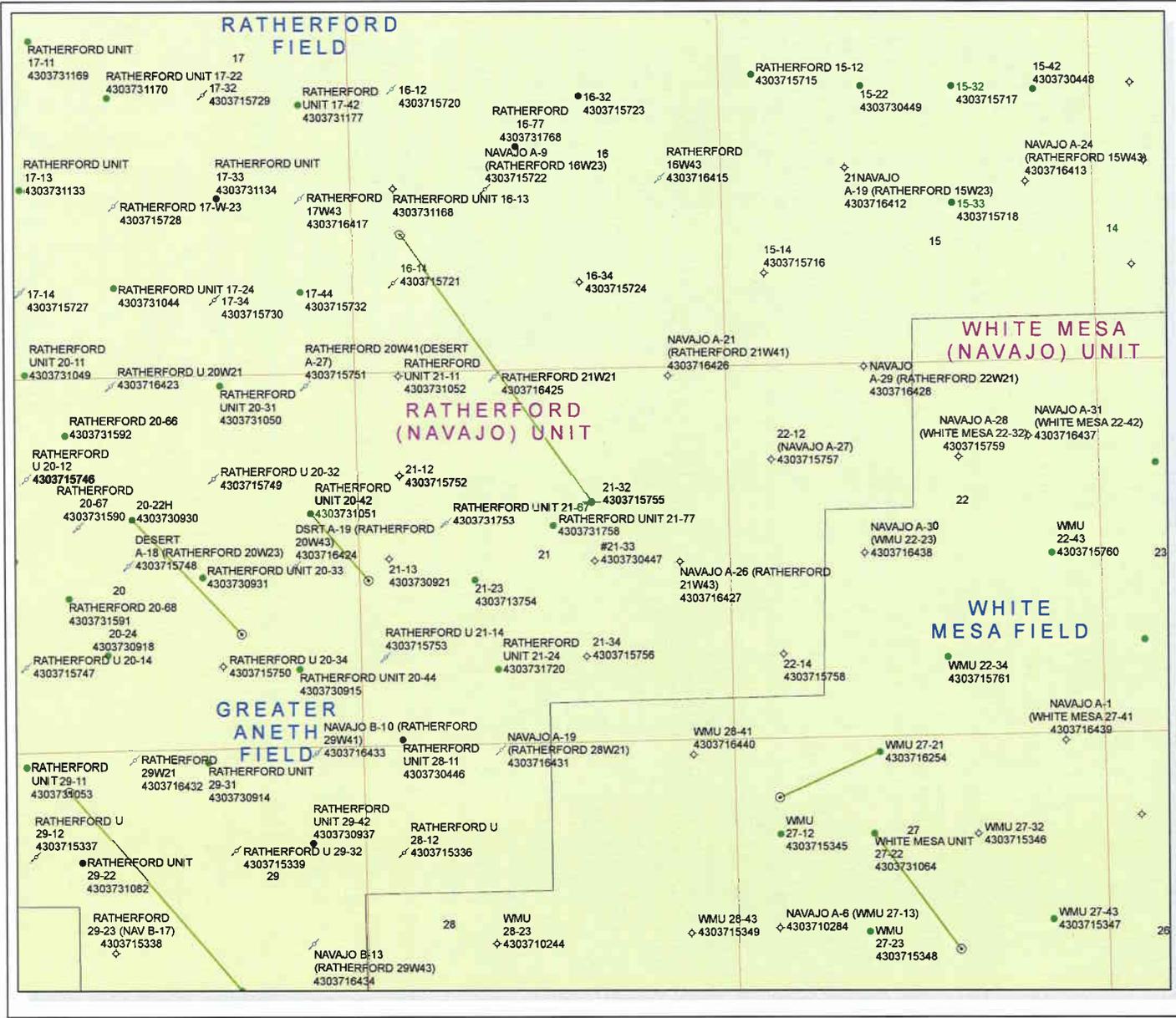
- Plat
- Bond: Fed[] Ind[2] Sta[] Fee[]
(No. PA002769)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 95-525)
- RDCC Review (Y/N)
(Date:)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: RATHERFORD
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 152-6
Eff Date: 2-6-1998
Siting: Susceptible General Siting
- R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1- Federal Approval
2- DIRECTIONAL STIP

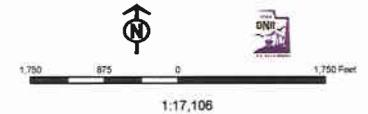


API Number: 4303715755
 Well Name: 21-32
 Township T41.0S Range R24.0E Section 21
 Meridian: SLBM
 Operator: RESOLUTE NATURAL RESOURCES

Map Prepared:
 Map Produced by Diana Mason

Units	
ACTIVE	ACTIVE
EXPLORATORY	EXPLORATORY
GAS STORAGE	GAS STORAGE
NP PP OIL	NP PP OIL
NP SECONDARY	NP SECONDARY
PI OIL	PI OIL
PP GAS	PP GAS
PP GEOTHERM.	PP GEOTHERM.
PP OIL	PP OIL
SECONDARY	SECONDARY
TERMINATED	TERMINATED

Fields	
UNKNOWN	UNKNOWN
ABANDONED	ABANDONED
ACTIVE	ACTIVE
COMBINED	COMBINED
INACTIVE	INACTIVE
STORAGE	STORAGE
TERMINATED	TERMINATED





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 21, 2013

Resolute Natural Resources
1675 Broadway, Ste 1950
Denver, CO 80202

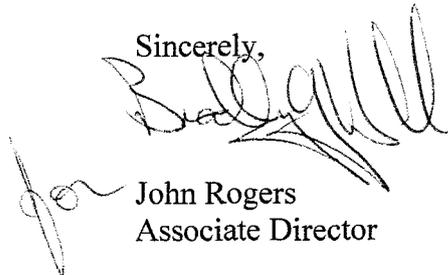
Subject: 21-32 Well, 1888' FNL, 1982' FEL, SW NE, Sec. 21, T. 41 South, R. 24 East, San Juan County, Utah

Ladies and Gentlemen:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause: 152-6. The expected producing formation or pool is the Desert Creek Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-15755.

Sincerely,



John Rogers
Associate Director

JR/js
Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Monticello Office

Operator: Resolute Natural Resources
Well Name & Number 21-32
API Number: 43-037-15755
Lease: 14-20-603-355

Location: SW NE Sec. 21 T. 41 South R. 24 East

Conditions of Approval

1. General

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

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please let a voicemail message if not available)

OR

Submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office
(801) 733-0983 after office hours

3. Reporting Requirements

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-355
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: 21-32
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037157550000
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202	PHONE NUMBER: 303 534-4600 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1888 FNL 1982 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 21 Township: 41.0S Range: 24.0E 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: 8/14/2013 <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 checked="" 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 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"/>

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

Resolute proposes to P&A the subject well, as deepening operations ran into problems with extensive fishing and the extremely poor condition of the production casing in this well. Resolute expected to pull and recover the casing to a depth of approx. 1770' below the 8-5/8" surface casing shoe at 1365', and sidetrack the well out from under the surface casing. Further testing exposed the 5-1/2" casing free point does not indicate a good probability of pulling enough 5-1/2" casing to get below the surface casing shoe, so we are proposing a P-A of this wellbore. A replacement well is planned from a new surface location to the NE of this one. Attachments include the existing wellbore, proposed wellbore and procedure.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: August 21, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 8/13/2013	

RATHERFORD UNIT #21-32
GREATER ANETH FIELD
1888' FNL, 1982' FEL
Sec 21-T41S-R24E
San Juan Co., Utah
API 43-037-15755

The proposed plugging drawing for the current 21-32 wellbore is attached, and the P&A will proceed as follows:

- 1) Squeeze the existing perforations and lower wellbore, via open-ended workstring from ~4340' - top of fish currently at 4350' (csg condition precludes retainer or packer use).
- 2) Lay in cement on top of the bottom plug, and bring the cement top to 2250'. (This is an addition since yesterday, given the multiple holes in the casing in this area.)
- 3) Tag the cement top at 2250'. Perforate for Chinle isolation at 1419-20'. Confirm circulation to surface up the 8-5/8 surface csg.
- 4) Set CICR at 1370' and perform Chinle isolation cementing, with circulation back to surface.
- 5) Sting out of CICR and leave cement on top at 1250' (total cement plug = 170').
- 6) Tag cement top at 1250'.
- 7) Spot surface cement plug from 150' back to surface.
- 8) Lay down workstring, ND BOPE, & RD the well service unit.
- 9) Cut off wellhead 6 ft below grade, and weld on cap plate.
- 10) Install P&A marker.
- 11) Clean location & restore it to native ground state.

RATHERFORD UNIT # 21-32

GREATER ANETH FIELD

1888' FNL & 1982' FEL

SEC 21-T41S-R24E

SAN JUAN COUNTY, UTAH

API 43-037-15755

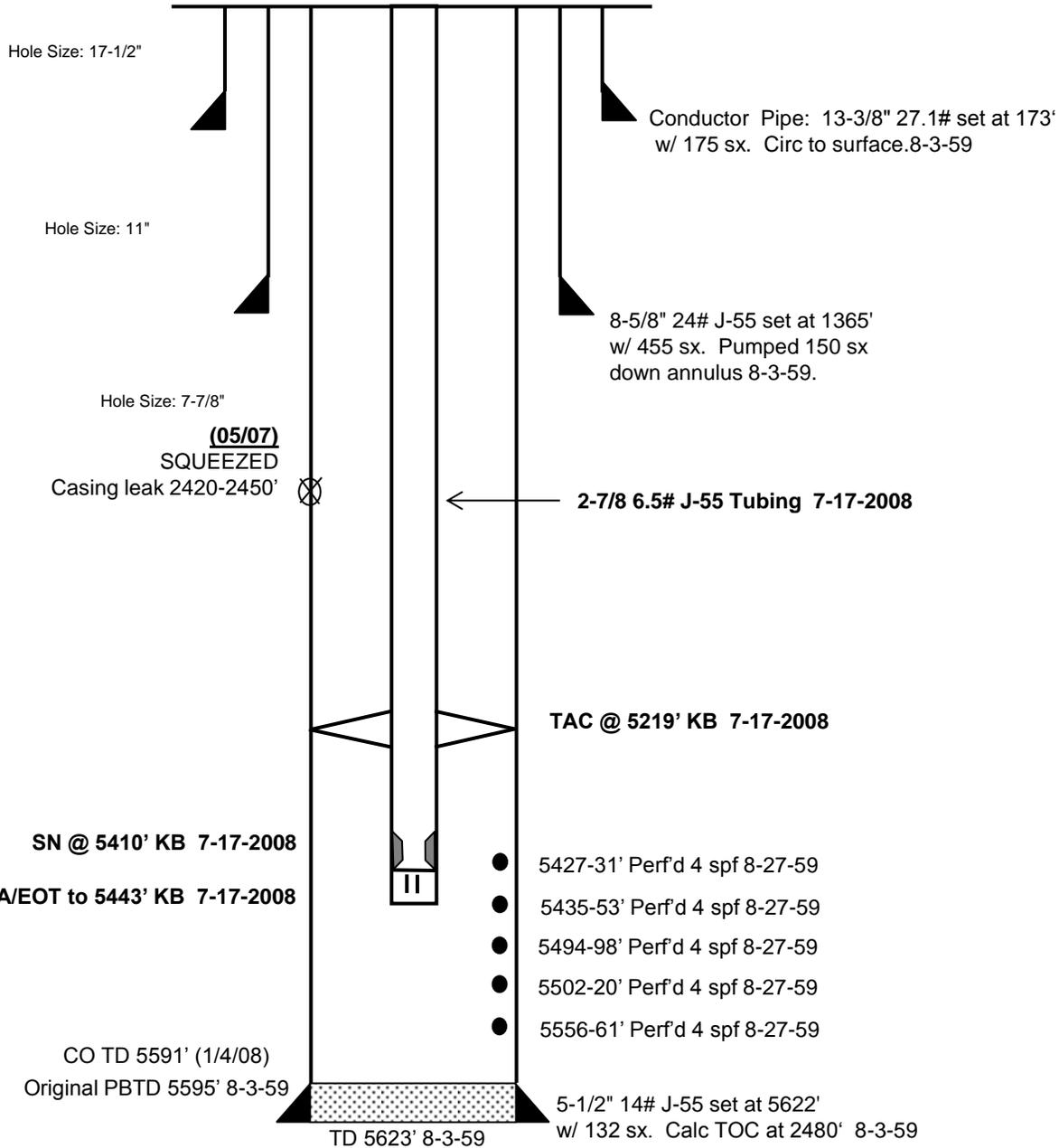
PRODUCER

Attachment 1 - Existing

Current as of 3/14/13 by Jim Styler

KB 4614'

GL 4603'



RATHERFORD UNIT # 21-32

GREATER ANETH FIELD

1888' FNL & 1982' FEL

SEC 21-T41S-R24E

SAN JUAN COUNTY, UTAH

API 43-037-15755

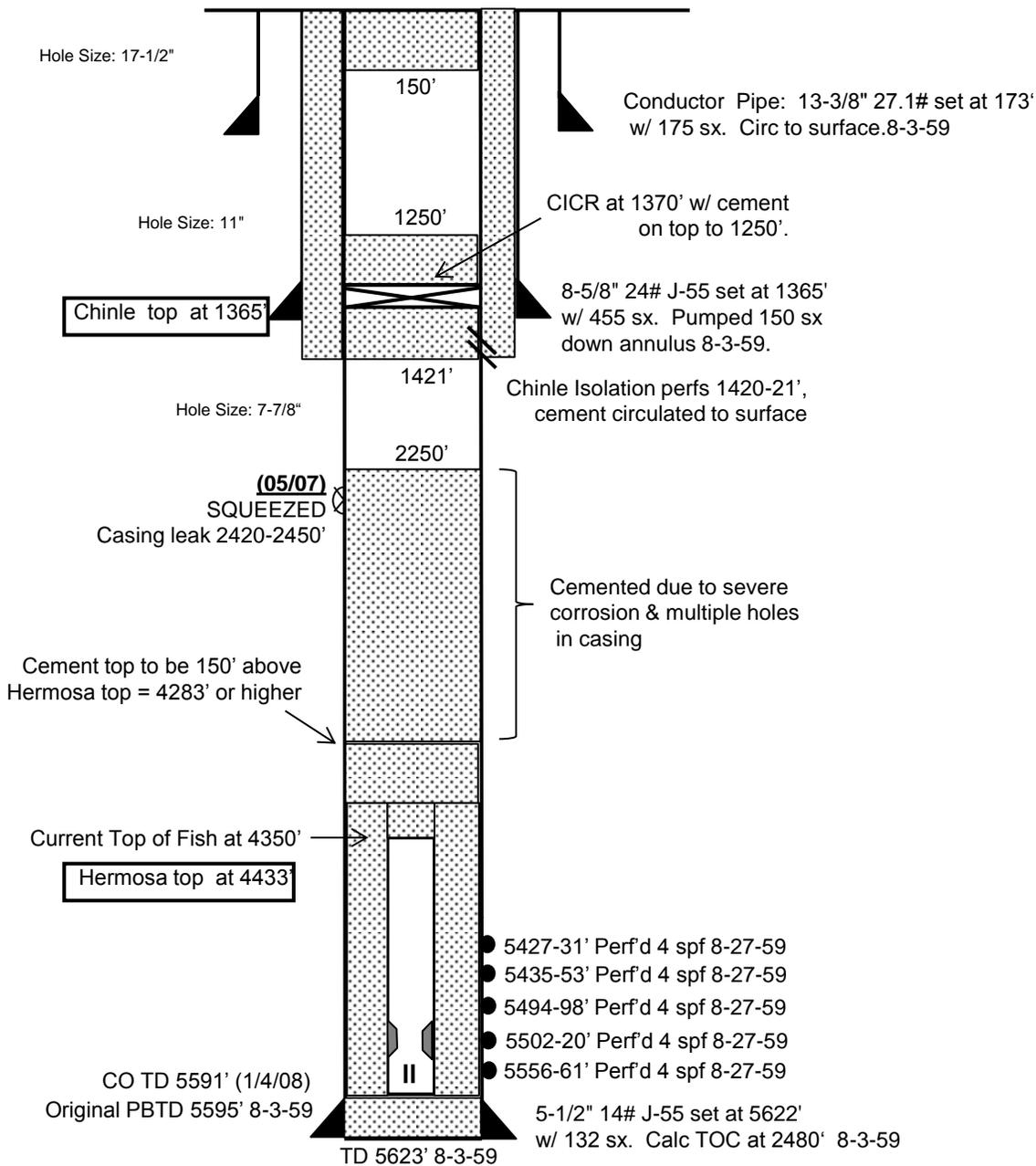
PRODUCER

P&A PROPOSAL 8-13-13

Current as of 8/13/13 by Jim Styler

KB 4614'

GL 4603'



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.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-355
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1888 FNL 1982 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 21 Township: 41.0S Range: 24.0E 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/16/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" 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"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

Resolute permanently plugged and abandoned the referenced well on 8-16-13 by procedure and final wellbore diagram attached. The wellbore will remain abandoned and a new surface location some distance away will be used for the replacement well sometime in 2014.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 19, 2013**

NAME (PLEASE PRINT) Shery Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 8/26/2013	

Ratherford Unit 21-32
1888' FNL & 1982' FEL
Sec 21, T41S, R24E
San Juan County, Utah
API 43-037-15755

Job Scope – Plug & Abandon the current vertical wellbore. Approval was granted for this action by Steve Mason on August 14, 2013. A replacement well with surface location to the NE is planned.

Procedure: (Subsequent Sundry Notice)

Plans to drill a horizontal lateral from this vertical wellbore were scrapped due to severe casing damage discovered while fishing for the tubing & BHA remaining in the wellbore. The following steps proceeded from the point where further fishing was aborted. Cementing activities were witnessed onsite by Davis Benally.

1. Ran open ended workstring to 4340' (top of fish 4350') and spotted 24.5 bbls 15.8 ppg cement. PU out of cmt, reversed out, and applied sqz pressure 500 psi – locked up at 1.4 bbls pumped. Shut well in overnight, holding 500 psi on the squeeze.
2. RIH workstring & tag cement top at 3708' = 386' deeper than spotted.
3. Spot in 18 bbls 15.8 ppg cement 3708' up to 2979'; pick up out of cmt & spot 18 bbls 15.8 ppg cement 2979' up to 2250'. Pick up out of cement, reverse out, WOC overnight.
4. RIH workstring & tag cement top at 2250'.
5. RU electric line & perforated 1419-21' 4 spf (8 holes) for Chinle isolation cementing.
6. Circulated out w/ 80 bbls fresh water, up the surface csg annulus.
7. RIH & set cmt retainer at 1370' in 5-1/2" casing.

8. Sting into retainer, mix & pump 50 bbls 15.8 ppg cement, taking returns up 5-1/2 x 8-5/8" annulus to surface. Stung out & left 120' of cement on top of the retainer.
9. Picked up and spotted 150' surface plug in 5-1/2" casing.
10. ND BOP's & wash them out. Filled hole w/one bbl cement to surface.
11. NU B-1 flange.
12. RDMO well service unit.
13. Installed dry hole marker & cleaned well location.

RATHERFORD UNIT # 21-32

GREATER ANETH FIELD

1888' FNL & 1982' FEL

SEC 21-T41S-R24E

SAN JUAN COUNTY, UTAH

API 43-037-15755

PRODUCER

**P&A FINAL WELLBORE
8-16-13**

