Scout Report sent out	☑
Noted in the NID File	☑
Location map pinned	☑
Approval or Disapproval Letter	☑
Date Completed, P. & A. or operations suspended	Was suspended 9-8-59
Pin hanged on location map	☐
Bond and Record of A & P	☐
Shut-Off Test	☐
Casing Test	☐
Well completed	☐

Re: Cancel

10-22-70 Subsequent Report of Converting to Water Injection. SD

FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	✓
Entered On S R Sheet	✓	Copy N I D to Field Office	✓
Location Map Pinned	✓	Approval Letter	✓
Card Indexed	✓	Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA

Date Well Compl. 9-8-59 Location Inspected

OW WW Suspended 40 Acre test well Bond released

GW OS PA State or Fee Land

LOGS FILED

Driller's Log 12-2-59

Electric Logs (No.) 4

E I E-I GR GR-N ✓ Micro

Lat Mi-L Sonic Others Caliper Log, Formation Tester, 1 {Induction-electrical, Induction-Gamma Ray} log

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

	X
	13

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. SL 070968A
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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 RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING 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)

February 6, 1959

Well No. Burton 22-13 is located 3300 ft. from {N/S} line and 3300 ft. from {E/W} line of sec. 13

SE NW 13 (¼ Sec. and Sec. No.) 40S (Twp.) 23E (Range) SLBM (Meridian)

Aneth (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation ~~of the derrick floor above sea level~~ is 4829 ft. (approx. ground)

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)

1. Drill 12-1/4" hole to 500'±.
2. Cement 8-5/8" casing at 500'± with 350 sacks treated cement.
3. Drill 7-7/8" hole to 5415'±.
4. Cement 5-1/2" casing at 5415'± with 200 sacks cement.
5. Core 4-3/4" hole to 5615'±. (Paradox).
6. Test for spacing evidence as directed.

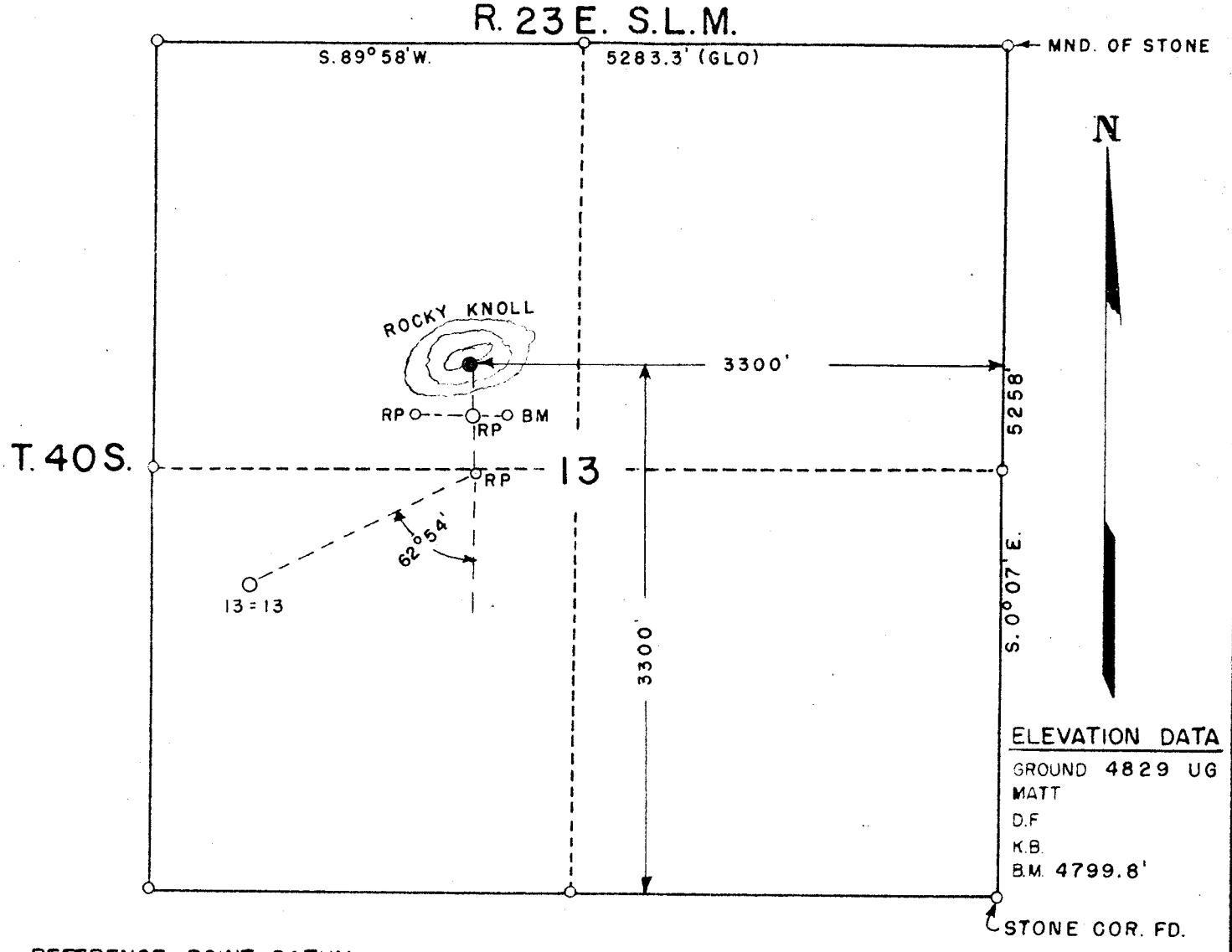
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive
Farmington, New Mexico

Original signed by
R. S. MacALISTER, JR.
By R. S. Mac Alister, Jr.
Title Div. Exploitation Engineer

GPO 862040



REFERENCE POINT DATUM–
1"X2" STAKES SET AT 10' N,S,E, & W OF LOC

1" x 2" stake and 3' flag set at 300' S. of Loc. for RP & Possible Alt.
1" x 2" stake and 3' flag set at 379' W., 191' E., and 349' S. of possible alternate location for RP's.
½" x 4' angle iron stake and 10' flag set at Loc. being 3300' N. and 3300' W. of the SE Cor. of Sec. 13, T. 40 S., R. 23 E., SLM.
1" x 2" hub and 3' flag set at 300' S., and 191' E. of Loc. for B.M.

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

John A. Kroeger

John A. Kroeger, Reg. L.S.
Utah Reg. No. 1648

REGISTERED LAND SURVEYOR
No. 1648
JOHN A. KROEGER
STATE OF UTAH

Drawn By: JAK	SHELL OIL COMPANY	Scale 1" = 1000'
Checked By: JAK		220-772
Date: 1/12/58		

LOCATION OF BURTON 22 = 13

SAN JUAN COUNTY, UTAH, SEC. 13, T. 40 S., R. 23 E., S.L.B.M.

SHELL OIL COMPANY
705 West Municipal Drive
Farmington, New Mexico

FEB 6 1959

The State of Utah
Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

Gentlemen:

We are enclosing for your approval notices to drill two forty-acre spaced wells as follows:

Aneth Field	Burton 22-13
Ratherford Field	North Desert Creek 13-12

These wells are to be drilled for the purpose of obtaining spacing evidence within the terms of the Commission's forthcoming order for the consolidated Causes Nos. 8 and 11. These wells will be drilled and produced as prescribed by the Commission at the recent hearing in Salt Lake City. Your early approval will be appreciated so we may begin the drilling as soon as possible.

Very truly yours,

R. R. Robison
Division Production Manager

Enclosures (2)

February 9, 1959

Shell Oil Company
705 West Municipal Drive
Farmington, New Mexico

Attention: R. S. MacAlister, Jr.,
Exploitation Engineer

Gentlemen:

With reference to your notice of intention to drill Well No. Burton 22-13, which is to be located 3300 feet from the south line and 3300 feet from the east line of Section 13, Township 40 South, Range 23 East, SLBM, San Juan County, Utah, please be advised that approval to drill said well is hereby granted subject to the Order which will be issued in Cause No. 17 (Combined Causes No. 8 and 11), as a result of the hearing held on February 2 and 3, 1959.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

GLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: J. A. Anderson,
Regional Oil & Gas Supervisor
U.S.G.S. Roswell, New Mexico

P. T. McGrath,
District Engineer
U.S.G.S. Farmington, New Mexico

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

	X		
		13	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. SL 070968A
Unit

M-FF
3-10

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	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

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

March 5, 1959

Burton
Well No. 22-13 is located 3300 ft. from {N/S} line and 3300 ft. from {E/W} line of sec. 13

NW 13 (¼ Sec. and Sec. No.) 40S (Twp.) 23E (Range) SLBM (Meridian)

Aneth (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4838 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 2-23-59

2-25-59 to 2-26-59 Ran and cemented (624') 10-3/4", 32.75#, H-40 casing at 634' with 300 sacks cement, last 100 sacks treated with 2% calcium chloride, partial cement returns to surface. Cemented around outside of casing with 35 sacks cement. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.

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

Company Shell Oil Company

Address 705 West Municipal Drive
Farmington, New Mexico

Original signed by
B. W. SHEPARD
By B. W. Shepard
Title Exploitation Engineer

GPO 862040

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13

Date: 4-12-59 to 4-14-59 A.M.

Depth: 5696'

Drilled:

Cored:

Other Operations:

Drilling out plugs and baffle at 5642'.

Preliminary Data Determinations:

REMARKS:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 **Date:** 4-15-59

Depth: 5699' **Drilled:** ø **Cored:** 3

Other Operations:

Core #1 Cored 3' Guiberson head broke - repairing.

Preliminary Data Determinations:

REMARKS:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 4-29-59 To 4-30-59 a.m.

Depth 5866 Drilled -0- Cored -0-

Other Operations:

Circulated off bottom, ran conventional test B-25

Preliminary Data Determinations:

DST B-25 5739.5-5779 Initial open 20 seconds, Initial shut in 3 minutes, open 52 minutes, immediate moderate blow. OTS in 26 minutes, OTS in 40 minutes (from initial open time). Backed scuttled 11 bbls. formation oil.

In view of previous experience, B-22C, moderate blow after rotation for initial shut in erroneously suggested that tool was not shut in. After 3 minutes an additional 3 turns were made in an attempt to shut in tool. An examination of the pressure charts indicated that the tool was originally shut in and was reopened with the additional turns. When oil surfaced it was obvious that the tool was not shut in, hence packers were pulled and the test was a misrun.

	Recorder HK 1013 @ 5775.5'	Recorder AK 1050 @ 5760.5'	Recorder AK 1051 @ 5766.0'
IHP	2662 psi	2649 psi	2661 psi
ISIP	1901 psi rising	1691 psi	1696 psi
IFP	610 psi	606 psi	607 psi
Min.FP	434 psi	436 psi	440 psi
FFP	866 psi	864 psi	866 psi
FHP	2656 psi	2642 psi	2657 psi

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 4-28-59 To 4-29-59 a.m.

Depth 5868' Drilled -0- Cored -0-

Other Operations:

Ran conventional test B-23 and B-24

Preliminary Data Determinations:

DST B23 5794-5801 Initial open 1 minute, Initial shut in 4 hours, open 1 hour, Final shut in 4 hours. Total rise from pressure gradient 290' including 30' of water cut oil base mud and 240' water.

	Recorder AKI 1050 @ 5783.0'	Recorder AKI 1051 @ 5807.5'
IHP	2670	2663
ISIP	1872	1887
IFP	29	52
FFP	151	170
FSIP	1845 rising	1866
FHP	2668	2697

DST B-24 5781-5793.5 Initial open 15 seconds, Initial shut in 4 hours, open 1 hour, Final shut in 4 hours. Immediate very faint blow, dead after 7 minutes. Recovered 10' oil base mud.

	Recorder HK 1013 @ 5790.5	Recorder AK-1 1051 @ 5800.5'	Recorder AKI 1050 @ 5775.5'
IHP	2660 psi	2671 psi	2641
ISIP	1826 rising	1834 psi*	1018 rising
IFP	28	24 psi	11
FFP	28	24 psi	12
FSIP	30 rising	24 psi	15 rising
FHP	2658	2669 psi	2639

REMARKS:

* Adjusted -- stylus hit chart retainer sleeve changing zero line.

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 4-27-59 To 4-28-59 a.m.

Depth 5868' Drilled -0- Cored -0-

Other Operations:

Ran conventional test B-22C. Preparing to run B-23.

Preliminary Data Determinations:

DST B-22 C, 5801.5' - 5814.5' Initial open 1 minute, Initial shut in 4 hours, open 1 hour, Final shut in 4 hours. Faint blow immediately continuing throughout test. Recovered 15' (.07 bbls.) oil base mud.

Recorder	Recorder	Recorder
AKI-1050 at 5796.5'	HK 1013 @ 5811.5'	AK 1051 @ 5821.5'
IHP 2647 psi	2656 psi	2665 psi
ISIP 659* rising sharply	656 psi rising sharply	661 psi
IFP 16*	26 psi	27 psi
FFP 18*	28 psi	29 psi
FSIP 461*	456 psi rising sharply	463 psi
FHP 2648*	2656 psi	2676 psi

REMARKS:

* Adjusted -- stylus hit chart retainer sleeve changing zero line.

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 4-26-59 To 4-27-59 A. M.

Depth 5868' Drilled -0- Cored -0-

Other Operations:

Pulled junk basket, recovered 2 pieces of rubber from previous test. Ran conventional test B-22B.

Preliminary Data Determinations:

B-22B 5801.5' - 5814.5' Pressure charts showed Tool was not initially Shut in p=Time 5 hours-Shut in 1 hour, open 1 hour, Final shut in 4 hours 1 minute. Recovered 37' (0.1 bbls.) oil base mud. Tester inoperative - misrun.

	Recorder HK 1013 at 5811.5'	Recorder AKI-1050 at 5796.5'	Recorder AKI-1051 at 5821.5'
IHP	2675 psi	2664 psi	2680 psi
IF_IP	28 psi	15 *	30 psi
FF_IP	34 psi	21 *	34 psi
ISIP	181 psi	177 *	186 psi
IFP	32 psi	22 *	35 psi
FFP	35 psi	25 *	36 psi
FSIP	637 psi rising	644 *	647 psi
FHP	2634 psi	2623 *	2644 psi

REMARKS:

* Adjusted - following IHP - Styluds hit chart retainer sleeve changing zero line.

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 4-24-59 To 4-26-59 A. M.

Depth 5868' Drilled 1' Cored -0-

Other Operations:

Ran conventional tester, B-22, stopped at 2500'. Pulled, ran bit, ran tester, B-22A, stopped at 3490'. Could not work by junk. Ran Bowen junk basket to 5867'. Drilled to 5868'.

Preliminary Data Determinations:

D. S. T. B-22 mis-run

Recorder HK 1013
HP 1354

Recorder AK 1 - 1050
HP 1348 psi

Recorder AK 1051
Sealed off by HK bomb carrier

D. S. T. B22A mis-run

Recorder HK 1013
HP 1602 - 1627 psi

AKI 1050
HP 1601

AKI 1051
Bomb sealed off by bomb carrier

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 4-23-59 To 4-24-59 A. M.

Depth 5867' Drilled -0- Cored -0-

Other Operations:

Ran conventional tester B-21

Preliminary Data Determinations:

D. S. T. B-21, 5816' - 5845.5' Initial open 3 minutes, Initial Shut in 4 hours 4 minutes, Open 1 hour. Final shut in 4 hours. Faint blow throughout test. Recovered 90' (0.4 bbls.) oil base mud.

Recorder	HK 1013 (2409N) at 5842.5'	Recorder AK 1050 at 5834.5'
	IHP 2711 psi	2708 psi
	ISIP 2197 psi (slightly rising)	2011 psi (Stylis sticking)
	IFP 38 psi	27 psi
	FFP 57 psi	46 psi
	FSIP 124 psi (rising)	116 psi
	FHP 2721 psi	2710 psi

Recorder AK 1051 clock stopped

REMARKS:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 4-22-59 To 4-23-59 A. M.

Depth 5867' Drilled -0- Cored -0-

Other Operations: Ran Schlumberger WLT S-17A, S-18, S-19 and S-20
Conditioned mud, preparing to run conventional test.

Preliminary Data Determinations:

S-17A, 5829', 300 cc air chamber, open 2 hr. 8 min.

Recorder HK 1080	Recorder HK 1013
Clock stopped after 80 min.	SIP 2206 psi @ 5837'
	HP 2643 psi @ 5836'

S-18, 5841', 300 cc air chamber, open 1 hr. 43 min.

Recorder HK 999	Recorder HK 1013
SIP 2210 psi @ 5849'	SIP 2233 psi @ 5849'
Clock ran down after 72 min.	HP 2651 psi @ 5848'

S-19, 5752', 300 cc air chamber, open 1 hr. 30 min.

Recorder HK 1080	Recorder 1013
SIP 1911 psi @ 5760'	SIP 1920 psi @ 5760'
HP 2586 psi @ 5759'	HP 2601 psi @ 5759'

S-20, 5762', 300 cc air chamber, open 1 hr. 12 min.

Recorder HK 1080		Recorder 1013
SIP 1908 psi @ 5780'		SIP 1918 psi @ 5780'
HP 2589 psi @ 5779'		HP 2605 psi @ 5779'
Gradients		Gradients
5450'	2440 psi	2456 psi
5550'	2485 psi	2502 psi
5650'	2531 psi	2548 psi
5780'	2578 psi	2595 psi
5850'	2628 psi	2545 psi

REMARKS:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 **Date:** 4-20-59 to 4-21-59 A.M.

Depth: 5867' **Drilled:** Ø **Cored:** Ø

Other Operations:

Ran Schlumberger WLT S-1, S-2, S-3, S-4, S-5, S-6, S-7, S-8, S-9 and S-10.
Ran Schlumberger Gamma Ray-Neutron Log, Induction Log and Section Gauge.

Preliminary Data Determinations:

S-1 at 5708.5', air chamber 300 cc., open 60.5 minutes.

Recorder HK 1080
SIP 1738 psi. (stab) at 5716.5'
HP 2630 psi. at 5715'
2491 psi. at 5415'
2538 psi. at 5515'
2583 psi. at 5615'
2631 psi. at 5715'

Recorder HK 1013
SIP 1735 (stab) at 5716.5'
HP 2628 psi. at 5715'
2490 psi. at 5415'
2535 psi. at 5515'
2581 psi. at 5615'
2628 psi. at 5715'

S-2 at 5699.5', air chamber 300 cc., open 1 hour, 53 minutes.

Recorder HK 1080
SIP 1825 psi. (still rising slightly) at 5707.5'
HP 2618 psi. at 5706'

Recorder HK 1013
SIP 1828 psi. at 5707.5'
HP 2629 at 5706'

S-3 at 5721', air chamber 300 cc., open 1 hour

Recorder HK 1080
SIP 1918 psi. (stab) at 5729'
HP 2631 psi. at 5728'

Recorder HK 1013
SIP 1921 psi. at 5729'
HP 2637 psi. at 5728'

S-4 at 5724.5', air chamber 300 cc., open 1 hour, 38 minutes.

Recorder HK 1080
SIP 1924 psi. (stab) at 5732.5'
HP 2628 psi. at 5731

Recorder HK 1013
SIP 1932 psi. at 5732.5'
HP 2639 psi. at 5731'

S-5 at 5728' misrun, shaped charge did not fire.

Recorder HK 1080
HP 2617 psi. at 5735'

Recorder HK 1013
HP 2628 psi. at 5735'

S-5A at 5728', air chamber 300 cc., open 1 hour, 6 minutes.

Recorder HK 1080
SIP 1920 psi. (stab) at 5736'
HP 2625 psi at 5735'

Recorder HK 1013
SIP 1925 psi. at 5736'
HP 2632 psi. at 5735'

S-6 at 5733', misrun, shaped charge did not fire.

Recorder HK 1080
HP 2627 psi. at 5730'

Recorder HK 1013
HP 2633 psi. at 5730'

S-6A at 5733', air chamber 300 cc., open 2 hours, 1 minute.

Recorder HK 1080
SIP 1931 psi. (stab) at 5741'
HP 2622 psi. at 5740'

Recorder 1013
SIP 1938 psi. at 5741'
HP 2630 psi. at 5740'

Preliminary Data Determinations (Cont.):

S-7 at 5743', air chamber 300 cc., open 1 hour

Recorder HK 1080	Recorder HK 1013
SIP 1915 psi. at 5751'	SIP 1917 psi. at 5751'
HP 2627 psi. at 5738'	HP 2632 psi. at 5738'
2486 psi. at 5438'	2492 psi. at 5438'.
2532 psi. at 5538'	2539 psi. at 5538'
2579 psi. at 5638'	2584 psi. at 5638'

S-8 at 5773', air chamber 300 cc., open 1 hour, 2 minutes.

Recorder HK 1080	Recorder HK 1013
SIP 1916 psi. at 5781'	SIP 1918 psi. at 5781'
HP 2635 psi. at 5780'	HP 2640 psi. at 5780'

S-9 at 5783', air chamber 300 cc., open 2 hours.

Recorder HK 1080	Recorder HK 1013
SIP 386 psi. (slightly rising) at 5791'	SIP 386 psi. at 5791'
HP 2637 psi. at 5790'	HP 2643 at 5790'

S-10 at 5787.5', air chamber 300 cc., open 1 hour, 32 minutes.

Recorder HK 1080	Recorder HK 1013
SIP 591 psi. (still rising) at 5795.5'	SIP 591 psi. at 5795.5'
HP 2637 psi. at 5794'	HP 2646 psi. at 5794'

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 **Date:** 4-19-59

Depth: 5867' **Drilled:** Ø **Cored:** 50'

Other Operations:

Cut Core #4.

Preliminary Data Determinations:

Core #4 5817-5867 Recovered 50'
4' Limestone IVFA
3' Limestone (Dolomitic) IVFA
4' Dolomite, III/I VFA
2' Dolomite, IIA
4' Dolomite, $IIAB_{2-8}$
9' Limestone IV FAB_{tr}
6' Dolomite, II-III $VFAB_{5-10}C_{tr-1}$ with lenses limestone IVFA
5' Limestone, IVFA
13' Shale Black

Remarks:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13

Date: 4-17-59 to 4-18-59 A.M.

Depth: 5817'

Drilled: Ø

Cored: 71'

Other Operations:

Cut Core No. 2 and Core no. 3.

Preliminary Data Determinations:

Core #2 5746-5766 Recovered 19'
19' Limestone $IIIVF\text{-}FAB_{tr-8}C_{tr-3}D_{tr-1}$
Interval 5752'-5762' contained several large (1')
vertical fractures and abundant hairline fractures.

Core #3 5766-5817 Recovered 51'
14' Limestone $IIIVF\text{-}FAB_{tr-5}C_{tr-2}D_{tr-4}$
8' Limestone IVFA
29' Limestone $IVFAB_{tr-3}\ C_{tr-2}\ D_{tr}$ (some I/III & III/I)

Remarks:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 **Date**: 4-16-59 A.M.

Depth: 5746' **Drilled**: Ø **Cored**: 47'

Other Operations:

Cut Core No. 1.

Preliminary Data Determinations:

Core No. 1 5696-5746 Recovered 49' - 10' Limestone, I A-B, 8' Dolomite, III VFB, and 31' Limestone, I/II, III VFB.

Remarks:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 **Date:** 5-1-59

Depth: 5868' **Drilled:** Ø **Cored:** Ø

Other Operations:

Ran conventional test B-25A

Preliminary Data Determinations:

DST B-25A 5740.5-5779.0 Initial open 20 seconds, initial shut in 2 hours and 59 minutes, open 1 hour, and 56 minutes; oil and gas to surface within 2 minutes. Flowed oil for 10 minutes (1.75 bbls. in last 8 minutes) then oil flow ceased. Continuing moderate gas blow until oil flowed again after 35 minutes at rate of 240 B/D.

Recorder	HK 1013 @ 5775.5'	Recorder AKI-1050 @ 5760.5'	Recorder AK-1 1051 @ 5766.0'
IHP	2661 psi	2645 psi	2653 psi
ISIP	1914 (stb)	1902 psi	1908 psi
IFP	297 psi	291 psi	295 psi
MAX. FP	1010 psi	1005 psi	1009 psi
FFP	590 psi	586 psi	590 psi
FSIP	1880 (Sli.rising)	1872 psi	1878 psi
FHP	2655 psi	2637 psi	2658 psi

Remarks:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 5-2-59

Depth 5868' Drilled -0- Cored -0-

Other Operations:

Ran conventional test B-26

Preliminary Data Determinations:

DST B 26 5710.0-5737.5' Initial open 30 sec. Initial shut-in 4 hrs. 2 min., open 1 hr. 2 min. Final shut-in 4 hrs. 2 min. Immediate moderate blow continuing steady for duration of open period. GTS in 45 mins. Back scuttled 2.5 bbls. oil base mud cut oil.

	Recorder HK 1013 @ 5734.5'	Recorder Ak-1 1050 @ 5709'	Recorder Ak-1 1051 @ 5725.0'
IHP	2630	2613	2626
ISIP	1916	1906	1917
IFP	52	38	49
FFP	158	155	157
FSIP	1887	1877	1886
FHP	2630	2612	2629

REMARKS

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Date: 5-3-59 and 5-4-59

Well: Burton 22-13

Depth: 5868' Drilled: Ø Cored: Ø

Other Operations:

Ran conventional test B-27. Ran bit, conditioned mud.

Preliminary Data Determinations:

DST B-27 5705.0 - 5717.0 Open 9 hours, moderate blow for first 5 hours, gas to surface in 40 minutes. Backscutted, open period production through Separator into test tank (6 bbls. slightly oil base mud cut oil.) An examination of the pressure charts showed that the tool was never shut in, even though the tool was rotated closed.

	Recorder HK 1013 @ 5713.5'	Recorder AK-1 1050 @ 5722.0'	Recorder AK-1 1051 @ 5697.0'
IHP/FHP	2607/2608	2607/2604	2607/2608
t=0 IFP	59	Not readable	Not readable
t=6 min. FP	164	168	156
t=23 min. FP	125	126	121
FFP	614	629	615

Remarks:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well Burton 22-13 Date 5-5-59 To 5-7-59 A. M.

Depth 5868' Drilled -0- Cored -0-

Other Operations:

Ran conventional test B-28 and conventional test B-27A. Ran 2-1/2" tubing with packer set at 5669, tail bull plugged to 5862', perforated nipple 5665'. Changed from oil base mud to water above packer. Rig released 8:00 A. M. 5-7-59. Well suspended.

Preliminary Data Determinations:

DST B-28 596.0' - 5704.5' Initial open 30 sec., initial shut in 4 hrs., open 1 hr., final shut in 4 hr. 2 min., Initially dead, after 45 min. a faint blow continuing steady throughout open period. Recovered 25' (0.1 bbl.) slightly oil cut oil base mud.

	Recorder AK-1 1050 @ 5688.0'	Recorder AK-1 1051 @ 5710.5'
IHP	2572 psi	2589 psi
ISIP	1840 psi (stab)	1848 psi
IFP	18 psi	27 psi
FFP	23 psi	29 psi
FSIP	1805 psi	1813 psi
FHP	2604 psi	2625 psi

DST B-27A 5705.0' - 5717.0' Initial open 30 sec. initial shut in 4 hrs., open 1 hr., final shut in 4 hrs. 1 min. Immediate blow continuing steadily throughout open period GTS in 4 min. Recovered 1.5 bbls. formation oil (backscuttled)

	Recorder HK 1013 @ 5714'	Recorder AK-1-1050 @ 5697'	Recorder AK-1 1051 At 5722.5'
IHP	2608 psi	2593 psi	2610 psi
ISIP	1701 psi (stab)	1696 psi	1705 psi
IFP	66 psi	59 psi	69 psi
FFP	128 psi	123 psi	127 psi
FSIP	1669 psi (using)	1667 psi	1674 psi
FHP	2605 psi	2593 psi	2612 psi

PRODUCTION TEST

Burton 22-13

7-28-59 Ran in with Amerada Pressure Recorder and hung at 5469'. Shut in well after approximately 8 hours.

8-2-59 Retrieved pressure bomb, ran static survey, reran recorder, and hung at 5683'. Set S-plug in S-nipple above bomb.

8-6-59 Retrieved S-plug and recorder, ran static survey, and returned well to flowing production.

Pressure Build Up Survey 7-28-59 to 8-2-59

Shut in Time Hrs.	Deflection in.	Pressure PSIG.
0	0.6487	884
10	0.7340	1001
20	0.7741	1057
30	0.8073	1102
40	0.8351	1141
50	0.8614	1177
60	0.8859	1211
70	0.9089	1243
80	0.9299	1272
90	0.9479	1297
100	0.9638	1319
110	0.9788	1340
113 (end of chart)	0.9831	1346

Static Gradient Survey 8-2-59

Depth Ft.	Deflection in.	Pressure PSIG.
0	0.0252	34
1000	0.0258	35
2000	0.1539	210
3000	0.3981	542
4000	0.6362	867
5000	0.8680	1186
5100	0.8907	1218
5200	0.9138	1250
5300	0.9369	1282
5400	0.9657	1321
5500	1.0014	1371
5600	1.0361	1419
5660	1.0563	1447

Pressure Build Up Survey 8-2-59 to 8-6-59

Shut In Time Hrs.	Deflection in.	Pressure PSIG.
120	1.0696	1465
130	1.0808	1480
140	1.0910	1494
150	1.1006	1508
160	1.1091	1519
170	1.1174	1531
180	1.1255	1542
190	1.1328	1552
200	1.1397	1561
203 (end of chart)	1.1415	1564

Static Gradient Survey 8-6-59

Depth Ft.	Deflection in.	Pressure PSIG.
0	0.0270	37
1000	0.0280	38
2000	0.2484	338
3000	0.4906	668
4000	0.7257	990
5000	0.9550	1307
5100	0.9782	1339
5200	1.0000	1369
5300	1.0235	1401
5400	1.0494	1437
5500	1.0850	1486
5600	1.1200	1534
5676	1.1463	1570

Date	Status	Hrs. Prod.	Bbls. Gross	Bbls. Clean	% Cut	Gas MCF	GOR	TP	CP	Bean Size	Maihak Pressure Recorder Above Packer	Remarks
8-6-59	F											Started flowing
8-7-59	F	18.5	191	190	0.4	175	920	280		24/64"	2310	
8-8-59	F	24	318	315	0.9	189	600	230		24/64"	2300	
8-9-59	F	24	282	279	0.4	162	580	240		24/64"	—	
8-10-59	F	24	276	276	0.1	174	630	240		24/64"	2300	
8-11-59	F	24	160	152	5.0	168	1100	270		24/64"	2280	Questionable data
8-12-59	F	24	281	278	1.1	185	670	310		24/64"	2250	
8-13-59	F	24	447	330	26.2	360	1090	310		24/64"	2242	Questionable data
8-14-59	F	24	399	396	0.7	387	980	320		24/64"	2230	
8-15-59	F	24	351	345	1.7	-	-	320		24/64"	2222	Repaired gas meter
8-16-59	F	24	309	305	1.3	249	820	-		24/64"		
8-17-59	F	24	273	269	1.5	356	1320	300		24/64"	2180	
8-18-59	F	24	-	-	-	-	-	-		24/64"	-	Not tested
8-19-59	F	24	338	332	1.8	345	1040	290		24/64"	2180	

PRODUCTION TEST
BURTON 22-13

Date	Status	Hrs. Prod.	Bbls. Gross	Bbls. Clean	Cut	Gas MCF	GOR	TP	CP	Bean Size	Maihak Pressure Recorder Above Packer	Remarks
8-20-59	F	24	324	318	1.9	369	1160	310	-	24/64	2170	
21	F	24	324	312	3.7	387	1240	330	-	"	2160	
22	F	24	255	251	1.6	312	1240	290	-	"	2150	
23	F	24	249	245	1.6	300	1220	290	-	"	2140	
24	F	24	243	237	2.5	294	1240	-	-	"	2160	
25	F	24	240	236	1.7	281	1190	270	-	"	2150	
26	F	24	309	302	2.3	351	1160	290	-	"	2110	
27	F	24	279	276	1.1	360	1300	300	-	"	2100	
28	F	24	255	252	1.2	333	1330	310	-	"	2090	
29	F	24	237	233	1.7	300	1290	310	-	"	2080	
30	F	24	237	233	1.7	300	1290	-	-	"		Not Tested
31	F	24	237	233	1.7	300	1290	-	-	"		Not Tested
9-1-59	F	11	126	125	0.8	144	910	-	-	"	2060	

September 1, 1959 Hung Amerada Pressure Recorder at 5677'. On bottom at 9:42 A.M. At 10:00 P.M. shut in well. Set S-plug above bomb at 10:20 P.M.

September 6, 1959 Retrieved S-plug and Amerada Pressure Recorder at 11:15 A.M.

September 7, 1959 Ran static survey at 10:30 P.M.

Pressure Build-Up Survey 9-1-59 to 9-6-59

Shut in Time Hrs.	Deflection in.	Pressure PSIG
0	0.494	672
10	0.6169	841
20	0.6571	896
30	0.6976	951
40	0.7319	998
50	0.7610	1038
60	0.7872	1075
70	0.8109	1107
80	0.8322	1137
90	0.8500	1161
100	0.8659	1183
104	0.8711	1190

Static Gradient Survey 9-7-59

Depth Ft.	Deflection in.	Pressure PSIG
0	0.4352	592
1000	0.4431	603
2000	0.4541	618
3000	0.4650	633
4000	0.5251	715
5000	0.7602	1037
5200	0.8063	1101
5400	0.8520	1164
5500	0.8748	1196
5600	0.8980	1228
5678	0.9156	1252

PRODUCTION TEST
NORTH DESERT CREEK 13-12

Well was shut in 8-19-59. Suspended.

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 Date: 3-15-59 A.M.

Depth: 5515' Drilled: 100' Cored: Ø

Other Operations:

Location: 3300' N., and 3300' W., of SE Corner, Section 13, T. 40 S., R. 23 E., SLBM San Juan County, Utah.

Elevations: DF 4836.7'
GR 4826.4'
KB 4838.2'

Preliminary Data Determinations:

REMARKS:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 Date: 3-16-59 A.M.

Depth: 5641' Drilled: 126' Cored: Ø

Other Operations:

Drilling

Preliminary Data Determinations:

REMARKS:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 **Date:** 3-17-59 A.M.

Depth: 5698' **Drilled:** 57' **Cored:** Ø

Other Operations:

Drilled. Preparing to run casing.

Preliminary Data Determinations:

REMARKS:

SHELL OIL COMPANY
DAILY OPERATIONS REPORT

Well: Burton 22-13 Date: 3-18-59 A.M.

Depth: 5696' Drilled: Ø Cored: Ø

Other Operations:

Ran and cemented 7", 23# and 20# J&N 80 casing at 5695' with 200 sacks cement. Rig released 8 P.M. 3-17-59.

Preliminary Data Determinations:

REMARKS:

CORE DESCRIPTION NOTICE

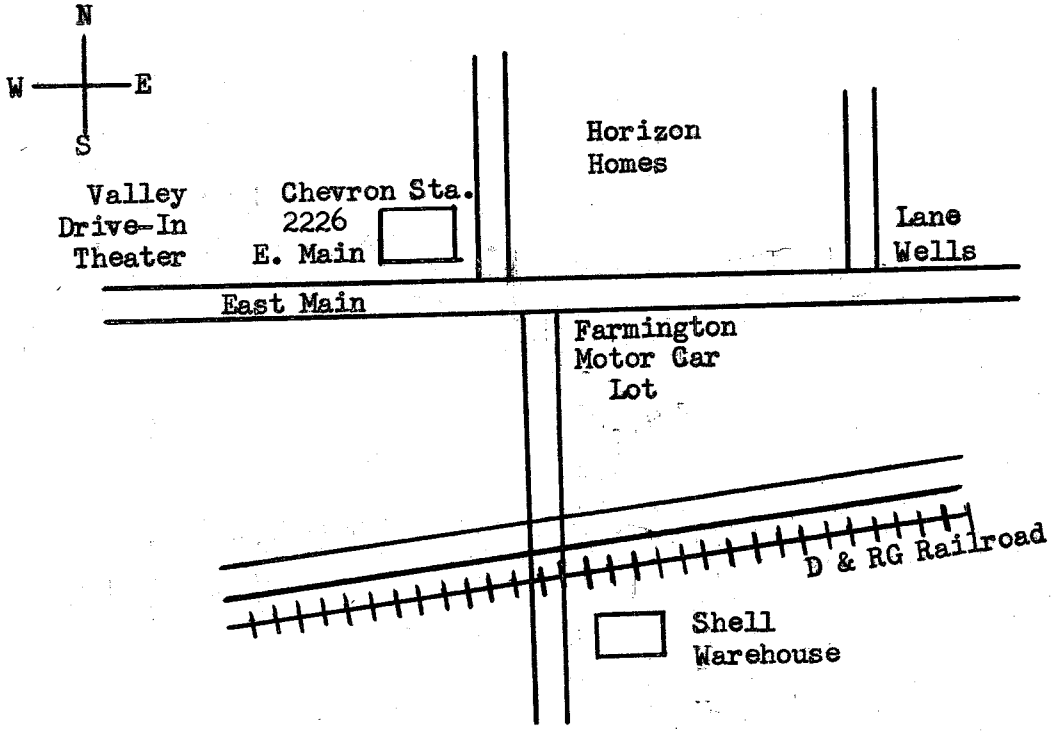
SHELL OIL COMPANY, North Desert Creek #13-12 located in Section 2, T. 41 S., R. 23 E.

AND

SHELL OIL COMPANY, Burton #22-13 located in Section 13, T. 40 S., R. 23 E.

San Juan County, Utah

Cores will be available for sampling at 8:30 A. M. on Thursday, May 21, 1959 at the Shell warehouse in Farmington, New Mexico. The warehouse is located as follows:



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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Well BURTON NO. 22-13
Field ANETH
County SAN JUAN State UTAH

Formation PARADOX - DESERT CREEK ZONE File RP-3-972
Core Type DIAMOND CONV. Date Report 4-18-59
Drilling Fluid OIL BASE MUD Analysts CLIFFORD
Elev. Location SEC 13 40S 23E

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	SHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	5696.0-98.2	0.4	0.1	8.6	30.2	34.0	
		0.1	0.1				
2	5698.6-00.3	0.2	0.1	9.2	29.1	33.5	
		0.4	0.1				
3	5700.6-02.3	0.3	0.1	10.1	29.2	35.7	
		0.6	0.1				
4	5702.5-04.5	0.5	0.2	5.8	20.0	45.6	
		<0.1	<0.1				
5	5704.8-07.1	0.1	<0.1	7.8	20.0	34.4	
		1.4	0.4				
6	5707.4-09.1	13	10.5	21.0	47.8	17.3	
		16	11.4				
7	5709.4-11.2	6.4	3.6	19.3	43.0	19.2	
		7.7	5.1				
8	5711.2-13.2	3.2	1.2	18.4	41.2	24.0	
		3.0	0.8				
9	5713.5-15.2	0.8	0.3	13.8	28.1	31.9	
		0.8	0.1				
10	5715.5-17.3	0.1	<0.1	7.8	14.0	50.8	
		0.1	<0.1				
11	5717.7-19.2	0.2	0.1	7.8	21.3	30.9	
12	5719.5-21.2	1.3	0.4	14.2	39.6	22.4	
		4.0	2.5				
13	5721.5-23.2	3.4	2.4	16.7	34.7	26.2	
		2.8	1.2				
14	5723.5-25.2	0.2	<0.1	12.8	11.8	47.5	
		0.2	0.1				
15	5725.2-27.2	0.2	<0.1	12.8	12.0	50.7	
		1.2	0.7				
16	5727.5-29.2	2.7	1.4	16.3	29.0	32.5	
		3.4	2.6				
17	5729.5-31.4	2.0	0.6	17.6	40.1	17.6	
		25	23				
18	5731.7-34.2	2.2	0.3	9.5	16.8	47.7	
19	5734.5-36.1	0.1	<0.1	8.6	2.5	80.6	
		1.6	0.8				
20	5736.4-38.1	0.8	0.3	7.4	7.1	81.2	
21	5738.4-40.1		0.02*	5.7	3.2	76.2	

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Well BURTON NO. 22-13
Field ANETH
County SAN JUAN State UTAH

Formation PARADOX - DESERT CREEK ZONE
Core Type DIAMOND CONV.
Drilling Fluid OIL BASE MUD
Elev. Location SEC 13 40S 23E

File RP-3-972
Date Report 4-18-59
Analysts CLIFFORD

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DO, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-CN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
22	5740.4-42.4	0.1	0.1	7.2	10.5	55.0	
		1.6	1.4				
23	5742.7-45.0	0.1	<0.1	7.0	9.0	49.8	
		3.1	1.2				

* MARTIX PERMEABILITY

SERVICE NO. 8-A NO INTERPRETATION OF RESULTS

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Well BURTON NO.22-13
Field ANETH
County SAN JUAN State UTAH

Formation PARADOX
Core Type DIAMOND CONV.
Drilling Fluid OIL BASE MUD
Elev. 4823 DF Location SEC 13 40S 23E

File RP-3-972
Date Report 4-20-59
Analysts CLIFFORD

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
24	5746.3-48.5	0.2	0.2	8.3	6.7	52.4	VERTICAL FRACTURE
		0.6	0.4				
25	5748.8-50.6	8.9	6.4	8.0	9.4	59.9	VERTICAL FRACTURE
26	5750.9-52.6	0.7	0.4	8.2	0.0	63.6	
		0.3	0.1				
27	5752.9-55.0	1.3	0.6	13.4	14.8	49.8	VERTICAL FRACTURE
28	5755.0-57.2	3.6	0.1	16.2	15.5	42.3	VERTICAL FRACTURE
29	5757.5-59.4	2.9	0.2	17.2	19.7	29.9	VERTICAL FRACTURE
30	5759.7-62.3	1.5	1.1	14.6	23.4	30.6	VERTICAL FRACTURE
31	5762.6-65.0	12	7.2	14.2	25.5	26.7	VERTICAL FRACTURE
		5.4	5.0				
32	5766.0-68.1	4.5	2.5	12.7	26.7	22.8	VERTICAL FRACTURE
33	5768.4-70.2	5.9	4.6	12.2	23.3	22.4	
		5.9	1.1				
34	5770.5-72.3	4.0	3.8	10.7	16.6	24.3	
		3.3	3.0				
35	5772.6-74.2	3.4	3.0	15.4	30.5	28.2	
		28	28				
36	5774.5-76.1	15	5.3	15.2	32.9	23.4	
		8.9	8.1				
37	5776.4-78.1	6.7	3.0	14.3	34.0	28.5	
		47	25				
38	5778.4-80.0	12	8.5	14.7	25.1	39.0	
		3.1	0.3				
39	5780.3-82.1	<0.1	<0.1	2.9	10.5	66.3	
		<0.1	<0.1				
40	5782.4-84.0	<0.1	<0.1	1.5	25.2	42.2	
		<0.1	<0.1				
41	5784.3-86.0	0.1	0.1	5.2	5.8	78.6	
42	5786.3-88.1	<0.1	<0.1	3.8	2.6	75.4	
		2.9	2.8				
43	5788.4-91.0	0.1	0.1	5.4	5.0	58.8	
		2.0	0.2				
44	5791.3-93.1	0.1	0.1	3.5	4.8	65.1	
45	5793.1-95.2	0.1	<0.1	5.4	6.0	63.2	
		0.4	0.2				
46	5795.5-98.0	0.1	<0.1	5.0	7.1	61.2	
47	5798.3-00.3	4.0	1.9	14.8	29.0	30.8	
		12	10.2				
48	5800.6-03.0	28	5.3	17.8	21.5	46.0	
		6.9	6.1				

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CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Well BURTON NO. 22-13
Field ANETH
County SAN JUAN State UTAH

Formation PARADOX
Core Type DIAMOND CONV.
Drilling Fluid OIL BASE MUD
Elev. 4823 DF Location SEC 13 40S 23E

File RP-3-972
Date Report 4-20-59
Analysts CLIFFORD

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	SHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
49	5803.3-05.4	<0.1	<0.1	6.2	8.1	46.0	
50	5805.7-08.2	0.3	0.2	3.8	3.7	47.1	
		<0.1	<0.1				
51	5808.5-10.1	0.2	0.1	3.7	5.5	51.0	
		0.1	<0.1				
52	5810.4-12.1	0.1	<0.1	3.7	3.0	46.8	
		0.3	0.2				
53	5812.4-14.1	0.1	0.1	4.6	5.9	53.9	
		0.2	0.2				
54	5814.4-15.8	0.1	<0.1	2.9	8.3	37.8	
		0.2	0.1				
55	5815.8-17.0	29	0.1	3.9	6.2	40.8	
		0.3	0.3				

SERVICE NO. 8-A NO INTERPRETATION OF RESULTS

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY | Formation PARADOX | File RP-3-972
Well BURTON NO. 22-13 | Core Type DIAMOND CONV. | Date Report 4-22-59
Field ANETH | Drilling Fluid OIL BASE MUD | Analysts CLIFFORD
County SAN JUAN State UTAH Elev. 4823 DF Location Sec 13 40S 23E

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM | DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP | ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS | SANDY-SDY, SHALY-SHY, LIMY-LMY | FINE-FN, MEDIUM-MED, COARSE-CSE | CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL | BROWN-BRN, GRAY-GY, VUGGY-VGY | FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY | SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
56	5817.0-19.1	0.1	<0.1	4.8	0.0	75.3	
		0.1	0.1				
57	5819.4-21.0	0.1	0.1	6.6	4.1	78.9	
		<0.1	<0.1				
58	5821.3-23.3	0.1	0.1	6.0	4.8	74.8	
		0.1	<0.1				
59	5823.6-26.0	0.5	0.3	7.5	3.9	75.3	
		0.2	0.1				
60	5826.3-28.1	0.1	<0.1	7.4	4.4	65.4	
		<0.1	<0.1				
61	5828.4-30.1	0.5	0.1	15.8	6.4	59.5	
		2.5	1.1				
62	5830.4-32.3	0.7	0.4	15.8	2.8	70.9	
		1.3	1.2				
63	5832.6-34.2	0.2	<0.1	11.2	5.6	64.4	
		0.3	0.3				
64	5834.5-36.2	<0.1	<0.1	1.6	12.2	68.1	
		<0.1	<0.1				
65	5836.4-38.5	<0.1	<0.1	1.5	15.2	56.6	
		<0.1	<0.1				
66	5838.8-41.0	0.1	0.1	2.8	5.7	60.4	
		0.1	0.1				
67	5841.3-43.4	0.5	0.2	11.1	8.7	60.6	
		0.5	0.2				
68	5843.7-45.4	6.0	3.8	14.9	6.7	62.0	
		0.2	0.1				
69	5845.7-48.3	<0.1	<0.1	4.4	3.0	58.4	
70	5848.6-51.0	0.1	0.1	2.4	8.4	65.5	
		<0.1	<0.1				
71	5851.0-53.8	0.1	<0.1	2.0	7.2	81.2	
		<0.1	<0.1				

SERVICE NO 8-A NO INTERPRETATION OF RESULTS

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CAUSE 17

Commission Exhibit Number_____

SHELL BURTON 22-13

CONTENTS:

Results of Pressure Tests Numbered:

WLT	S-1
"	S-2
"	S-3
"	S-4
"	S-5a
"	S-6a
"	S-7
"	S-8
"	S-12
"	S-17a
"	S-18
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Logs:

Schlumberger Induction-Electrical Log
" " -Gamma Ray Log
" Caliper Log
" Gamma Ray-Neutron Log
" Formation Tester Log

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Well BURTON NO. 22-13
Field ANETH
County SAN JUAN State UTAH

Formation PARADOX (DESERT CREEK ZONE) File RP-3-972
Core Type DIAMOND CONVENTIONAL Date Report 4-22-59
Drilling Fluid OIL BASE MUD Analysts CLIFFORD
Elev. 4823 DF Location SECTION 13 40S 23E

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	5696.0-98.2	0.4	0.1	8.6	30.2	34.0	(2) Limestone.
		0.1	0.1				
2	5698.6-00.3	0.2	0.1	9.2	29.1	33.5	(2) Limestone.
		0.4	0.1				
3	5700.6-02.3	0.3	0.1	10.1	29.2	35.7	(2) Limestone.
		0.6	0.1				
4	5702.5-04.5	0.5	0.2	5.8	20.0	45.6	(2) Limestone.
		<0.1	<0.1				
5	5704.8-07.1	0.1	<0.1	7.8	20.0	34.4	(2) Limestone.
		1.4	0.4				
6	5707.4-09.1	13	10.5	21.0	47.8	17.3	(2) Limestone.
		16	11.4				
7	5709.4-11.2	6.4	3.6	19.3	43.0	19.2	(2) Limestone.
		7.7	5.1				
8	5711.2-13.2	3.2	1.2	18.4	41.2	24.0	(2) Limestone.
		3.0	0.8				
9	5713.5-15.2	0.8	0.3	13.8	28.1	31.9	(2) Limestone.
		0.8	0.1				
10	5715.5-17.3	0.1	<0.1	7.8	14.0	50.8	(2) Limestone.
		0.1	<0.1				
11	5717.7-19.2	0.2	0.1	7.8	21.3	30.9	(2) Limestone.
12	5719.5-21.2	1.3	0.4	14.2	39.6	22.4	(2) Limestone.
		4.0	2.5				
13	5721.5-23.2	3.4	2.4	16.7	34.7	26.2	(2) Limestone.
		2.8	1.2				
14	5723.5-25.2	0.2	<0.1	12.8	11.8	47.5	(2) Limestone.
		0.2	0.1				
15	5725.2-27.2	0.2	<0.1	12.8	12.0	50.7	(2) Limestone.
		1.2	0.7				

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY — Formation PARADOX (DESERT CREEK ZONE) — File RP-3-972
Well BURTON NO. 22-13 — Core Type DIAMOND CONVENTIONAL — Date Report 4-22-59
Field ANETH — Drilling Fluid OIL BASE MUD — Analysts CLIFFORD
County SAN JUAN — State UTAH — Elev. 4823 DF — Location SECTION 13 40S 23E

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	CHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	MY-MY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
16	5727.5-29.2	2.7 3.4	1.4 2.6	16.3	29.0	32.5	(2) Limestone.
17	5729.5-31.4	2.0 25	0.6 23	17.6	40.1	17.6	(2) Limestone.
18	5731.7-34.2	2.2	0.3	9.5	16.8	47.7	(2) Limestone.
19	5734.5-36.1	0.1 1.6	<0.1 0.8	8.6	2.5	80.6	(2) Limestone.
20	5736.4-38.1	0.8	0.3	7.4	7.1	81.2	(2) Limestone.
21	5738.4-40.1	0.02*		5.7	3.2	76.2	(2) Limestone.
22	5740.4-42.4	0.1 1.6	0.1 1.4	7.2	10.5	55.0	(2) Limestone.
23	5742.7-45.0	0.1 3.1	<0.1 1.2	7.0	9.0	49.8	(2) Limestone.
24	5746.3-48.5	0.2 0.6	0.2 0.4	8.3	6.7	52.4	(2) Limestone, Vertical Fracture.
25	5748.8-50.6	8.9	6.4	8.0	9,4	59.9	(2) Limestone, Vertical Fracture.
26	5750.9-52.6	0.7 0.3	0.4 0.1	8.2	0.0	63.6	(2) Limestone.
27	5752.9-55.0	1.3	0.6	13.4	14.8	49.8	(2) Limestone, Vertical Fracture.
28	5755.0-57.2	3.6	0.1	16.2	15.5	42.3	(2) Limestone, Vertical Fracture.
29	5757.5-59.4	2.9	0.2	17.2	19.7	29.9	(2) Limestone, Vertical Fracture.
30	5759.7-62.3	1.5	1.1	14.6	23.4	30.6	(2) Limestone, Vertical Fracture.
31	5762.6-65.0	12 5.4	7.2 5.0	14.2	25.5	26.7	(2) Limestone, Vertical Fracture.
32	5766.0-68.1	4.5	2.5	12.7	26.7	22.8	(2) Limestone, Vertical Fracture.

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY — Formation PARADOX (DESERT CREEK ZONE) — File RP-3-972
Well BURTON NO. 22-13 — Core Type DIAMOND CONVENTIONAL — Date Report 4-22-59
Field ANETH — Drilling Fluid OIL BASE MUD — Analysts CLIFFORD
County SAN JUAN — State UTAH — Elev 4823 DF — Location SECTION 13 40S 23E

Lithological Abbreviations

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SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	SHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
33	5768.4-70.2	5.9	4.6	12.2	23.3	22.4	(2) Limestone.
		5.9	1.1				
34	5770.5-72.3	4.0	3.8	10.7	16.6	24.3	(2) Limestone.
		3.3	3.0				
35	5772.6-74.2	3.4	3.0	15.4	30.5	28.2	(2) Limestone.
		28	28				
36	5774.5-76.1	15	5.3	15.2	32.9	23.4	(2) Limestone.
		8.9	8.1				
37	5776.4-78.1	6.7	3.0	14.3	34.0	28.5	(2) Limestone.
		47	25				
38	5778.4-80.0	12	8.5	14.7	25.1	39.0	(2) Limestone.
		3.1	0.3				
39	5780.3-82.1	<0.1	<0.1	2.9	10.5	66.3	(2) Limestone.
		<0.1	<0.1				
40	5782.4-84.0	<0.1	<0.1	1.5	25.2	42.2	(2) Limestone.
		<0.1	<0.1				
41	5784.3-86.0	0.1	0.1	5.2	5.8	78.6	(2) Limestone.
42	5786.3-88.1	<0.1	<0.1	3.8	2.6	75.4	(2) Limestone.
		2.9	2.8				
43	5788.4-91.0	0.1	0.1	5.4	5.0	58.8	(2) Limestone.
		2.0	0.2				
44	5791.3-93.1	0.1	0.1	3.5	4.8	65.1	(2) Limestone.
45	5793.1-95.2	0.1	<0.1	5.4	6.0	63.2	(2) Limestone.
		0.4	0.2				
46	5795.5-98.0	0.1	<0.1	5.0	7.1	61.2	(2) Limestone.
47	5798.3-00.3	4.0	1.9	14.8	29.0	30.8	(2) Limestone.
		12	10.2				
48	5800.6-03.0	28	5.3	17.8	21.5	46.0	(2) Limestone.
		6.9	6.1				

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY — Formation PARADOX (DESERT CREEK ZONE — File RP-3-972
Well BURTON NO. 22-13 — Core Type DIAMOND CONVENTIONAL — Date Report 4-22-59
Field ANETH — Drilling Fluid OIL BASE MUD — Analysts CLIFFORD
County SAN JUAN State UTAH — Elev. 4823 DF Location SECTION 13 40S 23E

Lithological Abbreviations

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LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
49	5803.3-05.4	<0.1	<0.1	6.2	8.1	46.0	(2) Limestone.
50	5805.7-08.2	0.3	0.2	3.8	3.7	47.1	(2) Limestone.
		<0.1	<0.1				
51	5808.5-10.1	0.2	0.1	3.7	5.5	51.0	(2) Limestone.
		0.1	<0.1				
52	5810.4-12.1	0.1	<0.1	3.7	3.0	46.8	(2) Limestone.
		0.3	0.2				
53	5812.4-14.1	0.1	0.1	4.6	5.9	53.9	(2) Limestone.
		0.2	0.2				
54	5814.4-15.8	0.1	<0.1	2.9	8.3	37.8	(2) Limestone.
		0.2	0.1				
55	5815.8-17.0	29	0.1	3.9	6.2	40.8	(2) Limestone.
		0.3	0.3				
56	5817.0-19.1	0.1	<0.1	4.8	0.0	75.3	(2) Limestone.
		0.1	0.1				
57	5819.4-21.0	0.1	0.1	6.6	4.1	78.9	(2) Limestone.
		<0.1	<0.1				
58	5821.3-23.3	0.1	0.1	6.0	4.8	74.8	(2) Limestone.
		0.1	<0.1				
59	5823.6-26.0	0.5	0.3	7.5	3.9	75.3	(2) Limestone.
		0.2	0.1				
60	5826.3-28.1	0.1	<0.1	7.4	4.4	65.4	(2) Limestone.
		<0.1	<0.1				
61	5828.4-30.1	0.5	0.1	15.8	6.4	59.5	(2) Limestone.
		2.5	1.1				
62	5830.4-32.3	0.7	0.4	15.8	2.8	70.9	(2) Limestone.
		1.3	1.2				
63	5832.6-34.2	0.2	<0.1	11.2	5.6	64.4	(2) Limestone.
		0.3	0.3				

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY Formation PARADOX (DESERT CREEK ZONE) File RP-3-972
Well BURTON NO. 22-13 Core Type DIAMOND CONVENTIONAL Date Report 4-22-59
Field ANETH Drilling Fluid OIL BASE MUD Analysts CLIFFORD
County SAN JUAN State UTAH Elev. 4823 DF Location SECTION 13 40S 23E

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
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LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
64	5834.5-36.2	<0.1	<0.1	1.6	12.2	68.1	(2) Limestone.
		<0.1	<0.1				
65	5836.4-38.5	<0.1	<0.1	1.5	15.2	56.6	(2) Limestone.
		<0.1	<0.1				
66	5838.8-41.0	0.1	0.1	2.8	5.7	60.4	(2) Limestone.
		0.1	0.1				
67	5841.3-43.4	0.5	0.2	11.1	8.7	60.6	(2) Limestone.
		0.5	0.2				
68	5843.7-45.4	6.0	3.8	14.9	6.7	62.0	(2) Limestone.
		0.2	0.1				
69	5845.7-48.3	<0.1	<0.1	4.4	3.0	58.4	(2) Limestone.
70	5848.6-51.0	0.1	0.1	2.4	8.4	65.5	(2) Limestone.
		<0.1	<0.1				
71	5851.0-53.8	0.1	<0.1	2.0	7.2	81.2	(2) Limestone.
		<0.1	<0.1				

(2) Service No. 8 - No Interpretation of Results

* Matrix Permeability

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CA-0

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY — Formation PARADOX - DESERT CREEK ZONE — File RP-3-972
Well BURTON NO. 22-13 — Core Type DIAMOND CONV. — Date Report 4-18-59
Field ANETH — Drilling Fluid OIL BASE MUD — Analysts CLIFFORD
County SAN JUAN — State UTAH — Elev. — Location SEC 13 40S 23E

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	SHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	5696.0-98.2	0.4	0.1	8.6	30.2	34.0	
		0.1	0.1				
2	5698.6-00.3	0.2	0.1	9.2	29.1	33.5	
		0.4	0.1				
3	5700.6-02.3	0.3	0.1	10.1	29.2	35.7	
		0.6	0.1				
4	5702.5-04.5	0.5	0.2	5.8	20.0	45.6	
		<0.1	<0.1				
5	5704.8-07.1	0.1	<0.1	7.8	20.0	34.4	
		1.4	0.4				
6	5707.4-09.1	13	10.5	21.0	47.8	17.3	
		16	11.4				
7	5709.4-11.2	6.4	3.6	19.3	43.0	19.2	
		7.7	5.1				
8	5711.2-13.2	3.2	1.2	18.4	41.2	24.0	
		3.0	0.8				
9	5713.5-15.2	0.8	0.3	13.8	28.1	31.9	
		0.8	0.1				
10	5715.5-17.3	0.1	<0.1	7.8	14.0	50.8	
		0.1	<0.1				
11	5717.7-19.2	0.2	0.1	7.8	21.3	30.9	
12	5719.5-21.2	1.3	0.4	14.2	39.6	22.4	
		4.0	2.5				
13	5721.5-23.2	3.4	2.4	16.7	34.7	26.2	
		2.8	1.2				
14	5723.5-25.2	0.2	<0.1	12.8	11.8	47.5	
		0.2	0.1				
15	5725.2-27.2	0.2	<0.1	12.8	12.0	50.7	
		1.2	0.7				
16	5727.5-29.2	2.7	1.4	16.3	29.0	32.5	
		3.4	2.6				
17	5729.5-31.4	2.0	0.6	17.6	40.1	17.6	
		25	23				
18	5731.7-34.2	2.2	0.3	9.5	16.8	47.7	
19	5734.5-36.1	0.1	<0.1	8.6	2.5	80.6	
		1.6	0.8				
20	5736.4-38.1	0.8	0.3	7.4	7.1	81.2	
21	5738.4-40.1		0.02*	5.7	3.2	76.2	

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Well BURTON NO. 22-13
Field ANETH
County SAN JUAN State UTAH

Formation PARADOX - DESERT CREEK ZONE File RP-3-972
Core Type DIAMOND CONV. Date Report 4-18-59
Drilling Fluid OIL BASE MUD Analysts CLIFFORD
Elev. Location SEC 13 40S 23E

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DO, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MF, COARSE-CSE, CRYSTALLINE-CLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
22	5740.4-42.4	0.1	0.1	7.2	10.5	55.0	
		1.6	1.4				
23	5742.7-45.0	0.1	<0.1	7.0	9.0	49.8	
		3.1	1.2				

* MARTIX PERMEABILITY

SERVICE NO. 8-A NO INTERPRETATION OF RESULTS

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Well BURTON NO.22-13
Field ANETH
County SAN JUAN State UTAH Elev. 4823 DF Location SEC 13 40S 23E

Formation PARADOX
Core Type DIAMOND CONV.
Drilling Fluid OIL BASE MUD

File RP-3-972
Date Report 4-20-59
Analysts CLIFFORD

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	SHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
24	5746.3-48.5	0.2	0.2	8.3	6.7	52.4	VERTICAL FRACTURE
		0.6	0.4				
25	5748.8-50.6	8.9	6.4	8.0	9.4	59.9	VERTICAL FRACTURE
26	5750.9-52.6	0.7	0.4	8.2	0.0	63.6	
		0.3	0.1				
27	5752.9-55.0	1.3	0.6	13.4	14.8	49.8	VERTICAL FRACTURE
28	5755.0-57.2	3.6	0.1	16.2	15.5	42.3	VERTICAL FRACTURE
29	5757.5-59.4	2.9	0.2	17.2	19.7	29.9	VERTICAL FRACTURE
30	5759.7-62.3	1.5	1.1	14.6	23.4	30.6	VERTICAL FRACTURE
31	5762.6-65.0	12	7.2	14.2	25.5	26.7	VERTICAL FRACTURE
		5.4	5.0				
32	5766.0-68.1	4.5	2.5	12.7	26.7	22.8	VERTICAL FRACTURE
33	5768.4-70.2	5.9	4.6	12.2	23.3	22.4	
		5.9	1.1				
34	5770.5-72.3	4.0	3.8	10.7	16.6	24.3	
		3.3	3.0				
35	5772.6-74.2	3.4	3.0	15.4	30.5	28.2	
		28	28				
36	5774.5-76.1	15	5.3	15.2	32.9	23.4	
		8.9	8.1				
37	5776.4-78.1	6.7	3.0	14.3	34.0	28.5	
		47	25				
38	5778.4-80.0	12	8.5	14.7	25.1	39.0	
		3.1	0.3				
39	5780.3-82.1	<0.1	<0.1	2.9	10.5	66.3	
		<0.1	<0.1				
40	5782.4-84.0	<0.1	<0.1	1.5	25.2	42.2	
		<0.1	<0.1				
41	5784.3-86.0	0.1	0.1	5.2	5.8	78.6	
42	5786.3-88.1	<0.1	<0.1	3.8	2.6	75.4	
		2.9	2.8				
43	5788.4-91.0	0.1	0.1	5.4	5.0	58.8	
		2.0	0.2				
44	5791.3-93.1	0.1	0.1	3.5	4.8	65.1	
45	5793.1-95.2	0.1	<0.1	5.4	6.0	63.2	
		0.4	0.2				
46	5795.5-98.0	0.1	<0.1	5.0	7.1	61.2	
47	5798.3-00.3	4.0	1.9	14.8	29.0	30.8	
		12	10.2				
48	5800.6-03.0	28	5.3	17.8	21.5	46.0	
		6.9	6.1				

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY
Formation PARADOX
File RP-3-972
Well BURTON NO. 22-13
Core Type DIAMOND CONV.
Date Report 4-20-59
Field ANETH
Drilling Fluid OIL BASE MUD
Analysts CLIFFORD
County SAN JUAN State UTAH Elev. 4823 DF Location SEC 13 40S 23E

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
49	5803.3-05.4	<0.1	<0.1	6.2	8.1	46.0	
50	5805.7-08.2	0.3	0.2	3.8	3.7	47.1	
		<0.1	<0.1				
51	5808.5-10.1	0.2	0.1	3.7	5.5	51.0	
		0.1	<0.1				
52	5810.4-12.1	0.1	<0.1	3.7	3.0	46.8	
		0.3	0.2				
53	5812.4-14.1	0.1	0.1	4.6	5.9	53.9	
		0.2	0.2				
54	5814.4-15.8	0.1	<0.1	2.9	8.3	37.8	
		0.2	0.1				
55	5815.8-17.0	29	0.1	3.9	6.2	40.8	
		0.3	0.3				

SERVICE NO. 8-A NO INTERPRETATION OF RESULTS

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHELL OIL COMPANY | Formation PARADOX | File RP-3-972
Well BURTON NO. 22-13 | Core Type DIAMOND CONV. | Date Report 4-22-59
Field ANETH | Drilling Fluid OIL BASE MUD | Analysts CLIFFORD
County SAN JUAN State UTAH Elev. 4823 DF Location Sec 13 40S 23E

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
56	5817.0-19.1	0.1	<0.1	4.8	0.0	75.3	
		0.1	0.1				
57	5819.4-21.0	0.1	0.1	6.6	4.1	78.9	
		<0.1	<0.1				
58	5821.3-23.3	0.1	0.1	6.0	4.8	74.8	
		0.1	<0.1				
59	5823.6-26.0	0.5	0.3	7.5	3.9	75.3	
		0.2	0.1				
60	5826.3-28.1	0.1	<0.1	7.4	4.4	65.4	
		<0.1	<0.1				
61	5828.4-30.1	0.5	0.1	15.8	6.4	59.5	
		2.5	1.1				
62	5830.4-32.3	0.7	0.4	15.8	2.8	70.9	
		1.3	1.2				
63	5832.6-34.2	0.2	<0.1	11.2	5.6	64.4	
		0.3	0.3				
64	5834.5-36.2	<0.1	<0.1	1.6	12.2	68.1	
		<0.1	<0.1				
65	5836.4-38.5	<0.1	<0.1	1.5	15.2	56.6	
		<0.1	<0.1				
66	5838.8-41.0	0.1	0.1	2.8	5.7	60.4	
		0.1	0.1				
67	5841.3-43.4	0.5	0.2	11.1	8.7	60.6	
		0.5	0.2				
68	5843.7-45.4	6.0	3.8	14.9	6.7	62.0	
		0.2	0.1				
69	5845.7-48.3	<0.1	<0.1	4.4	3.0	58.4	
70	5848.6-51.0	0.1	0.1	2.4	8.4	65.5	
		<0.1	<0.1				
71	5851.0-53.8	0.1	<0.1	2.0	7.2	81.2	
		<0.1	<0.1				

SERVICE NO 8-A NO INTERPRETATION OF RESULTS

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SHELL OIL COMPANY

705 West Municipal Drive
Farmington, New Mexico

MAY 5 1959

Core Laboratories, Inc.
817 West Main
Farmington, New Mexico

Gentlemen:

We hereby authorize you to release the core analysis made by you on cores from our Burton 22-13 well in the Aneth field, San Juan County, Utah. Copies of the analysis may be given to any person or company requesting it, at their expense.

Very truly yours,

R. S. Mac Alister, Jr.
Division Exploitation Engineer

cc - Attached mailing list

1859 1959
OIL'S FIRST CENTURY
-BORN IN FREEDOM
WORKING FOR PROGRESS

MAILING LIST

State of Utah
Oil and Gas Conservation Commission
Room 310 Newhouse Building
Salt Lake City, Utah
Attention Mr. C. B. Feight

Aztec Oil & Gas Company
920 Mercantile Securities Building
Dallas 1, Texas
Attention Mr. Van Thompson

Ohio Oil Company
Post Office Box 120
Casper, Wyoming
Attention Mr. W. R. Kahla

The Pure Oil Company
Mile High Center
1700 Broadway
Denver 2, Colorado
Attention Mr. H. W. Van Zandt

The Texas Company
Post Office Box 817
Farmington, New Mexico
Attention Mr. U. E. Johnson

The Carter Oil Company
Post Office Box 3082
Durango, Colorado
Attention Mr. B. M. Bradley

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Attention Mr. W. E. Bauman

Phillips Petroleum Company
Bartlesville, Oklahoma
Attention Mr. Shofner Smith

Phillips Petroleum Company
Post Office Drawer 1150
Cortez, Colorado
Attention Mr. C. M. Boles

Standard Oil Company of California
Post Office Box 445
Vernal, Utah
Attention Mr. C. V. Chatterton

United States Geological Survey
Post Office Box 965
Farmington, New Mexico
Attention Mr. P. T. McGrath

Three States Natural Gas Company
916 Fairgrounds Road
Farmington, New Mexico

Sinclair Oil & Gas Company
Room 601
Denver Club Building
Denver 2, Colorado
Attention Mr. C. D. Gaines

SHELL OIL COMPANY
705 West Municipal Drive
Farmington, New Mexico

May 5, 1959

(ATTACHED MAILING LIST)

Gentlemen:

In accordance with the Utah Oil and Gas Conservation Commission order in Cause No. 17 granting permission to drill certain 40-acre spaced test wells, we are attaching herewith progress reports on the testing of our Burton 22-13 in the Greater Aneth Area.

Final reading of the pressure charts on North Desert Creek 13-12 is just about complete. Copies of our readings will be available at our Farmington office on Monday, May 11, 1959, and thereafter for those who desire them. The charts will also be available in our Farmington office for checking against the readings.

We have approved Notices to Drill from the Utah Commission on three additional test wells, North Desert Creek 41-12, North Desert Creek 32-13 and State Three 32-16. We expect to begin operations on the two North Desert Creek wells within a week. You will be given further notice approximately fifteen days prior to the commencement of testing on these wells.

Very truly yours,

R. R. Robison

R. R. Robison
Division Production Manager

Attachments

OIL'S FIRST CENTURY
-BORN IN FREEDOM
WORKING FOR PROGRESS

MAILING LIST

THIS COPY FOR

State of Utah
Oil and Gas Conservation Commission
Room 310 Newhouse Building
Salt Lake City, Utah
Attention Mr. C. B. Feight

Aztec Oil & Gas Company
920 Mercantile Securities Building
Dallas 1, Texas
Attention Mr. Van Thompson

Ohio Oil Company
Post Office Box 120
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Attention Mr. W. R. Kahla

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United States Geological Survey
Post Office Box 965
Farmington, New Mexico
Attention Mr. P. T. McGrath

Three States Natural Gas Company
916 Fairgrounds Road
Farmington, New Mexico

Sinclair Oil & Gas Company
Room 601
Denver Club Building
Denver 2, Colorado
Attention Mr. C. D. Gaines

SHELL OIL COMPANY

705 West Municipal Drive
Farmington, New Mexico

May 15, 1959

(SEE ATTACHED MAILING LIST)

Gentlemen:

In accordance with the Utah Oil and Gas Conservation Commission order in Cause No. 17 granting permission to drill certain 40-acre spaced test wells, we are attaching herewith the last of the progress reports on the testing of our Burton 22-13 in the Greater Aneth Area.

Test wells North Desert Creek 41-12 and North Desert Creek 32-13 in the Ratherford Area were spudded on May 7 and May 8, respectively. We expect the first of these wells to be ready for testing about the first of June. We are currently planning to test these wells consecutively.

Very truly yours,

R. R. Robison
Division Production Manager

Attachments

OIL'S FIRST CENTURY
-BORN IN FREEDOM
WORKING FOR PROGRESS

MAILING LIST

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Farmington, New Mexico

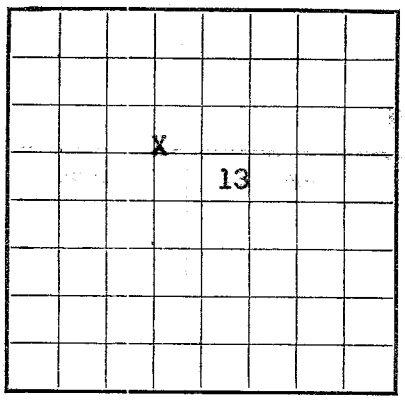
Sinclair Oil & Gas Company
Room 601
Denver Club Building
Denver 2, Colorado
Attention Mr. C. D. Gaines

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

PRELIMINARY REPORT

U. S. LAND OFFICE Salt Lake City, Utah
SERIAL NUMBER SL 070968A
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 158, Farmington, N.M.

Lessor or Tract Federal - Burton Field Aneth State Utah

Well No. 22-13 Sec. 13 T. 40S R. 23E Meridian SLBM County San Juan

Location 3300 ft. {N.} of S Line and 3300 ft. {W.} of E Line of Sec. 13 Elevation KB 4838
(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 Original signed by R. S. Mac ALISTER, JR.

Date November 27, 1959 Title DIV. Exploitation Engineer

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

Commenced drilling February 23, 1959 Finished drilling April 18, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

Open Hole

No. 1, from 5695 to 5867 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

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 From—	Perforated To—	Purpose
10-3/4"	33			634	Baker				Surface
7"	20			5683	Baker		5695	5867	Production
							Open hole		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	634	300	Displacement	-	-
7"	5695	200	Displacement	-	-

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

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 5668 feet, and from - feet to - feet

Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

Suspended 40-acre test well September 8, 19 59 Put to producing ....., 19....

The production for the first 24 hours was ..... barrels of fluid of which ....% was oil; ....% emulsion; ....% water; and ....% sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

Great Western Drilling Co., Driller

....., Driller

....., Driller

....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			ELECTRIC LOG TOPS
1640	2431	791	Chinle
2431	2570	139	Shinarump
2570	2620	50	Moenkopi
2620	4578	1958	Cutler
4578	5673	1095	Hermosa
5673	-	-	Paradox

FROM— TO— TOTAL FEET FORMATION

[OVER]

FORMATION RECORD—Continued

16—43094-4

DEC 2 1959

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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.)

5. LEASE DESIGNATION AND SERIAL NO.: SL-070968A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: Aneth Unit

2. NAME OF OPERATOR: TEXACO Inc. Dom. Prod. U. S. (West) Shell

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: Box 810, Farmington, New Mexico 87401

9. WELL NO.: B-213

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 3300' f/So. & 3300' f/E

10. FIELD AND POOL, OR WILDCAT: Aneth Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 13-T40S-R23E-SLBM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4838 KB

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	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other) Convert to Water Injection	X						

(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.)*

Working interest approval has been obtained to convert this well to water injection service. After pulling rods and tubing, a Baker lock-set packer will be run on 2-3/8" plastic lined tubing and set at 5670'. Acidize w/5000 gal. 28% CRA-NG acid w/pressure not exceeding 3000#. Place well on injection.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE 6-4-70

BY Paul A. Benshell

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

SIGNED J. Eaton TITLE District Superintendent DATE 5/22/70

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

USGS(3) OGCC(SLC)(2)
Navajo Tribe - HHB
GLE-WLW

*See Instructions on Reverse Side

File Code 6.33-1(W)

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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 ☐ GAS WELL ☐ OTHER Water Injection

2. NAME OF OPERATOR
TEXACO Inc. - Prod. U. S. (West) Shell

3. ADDRESS OF OPERATOR
P. O. Box 810, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
3300 ft. f/So. & 3300 ft. f/E. Lines

5. LEASE DESIGNATION AND SERIAL NO.
SL-070968-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribe

7. UNIT AGREEMENT NAME
Aneth Unit

8. FARM OR LEASE NAME

9. WELL NO.
B-213

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
13, 40S, 23E, SLBM

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4838 KB

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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Convert to wtr inj.			x
(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.) *

8-22 - MIRUPU - Pulled rods & tbg. Ran 2-3/8" plastic coated inside EUE tbg landed at 5650 w/Baker 2-3/8" x 7" plastic coated Lok set pkr. Loaded annulus w/inhibited water, acid open hole w/2500 gal. 28% CRA-NE acid. Acid across open hole well bore 5695 to 5867. Max psi 1100#, min psi 300#, avg pump rate 7 BPM. Pumped 1000 gal. salt plug (2# rock salt per gal.) max psi 800#, min psi 700#, avg pump rate 7 BPM followed w/2500 gal. 28% CRA-NE acid. Max press 800#, min psi 700# avg pump rate 7 BPM. Displaced acid w/1100 gal water, max psi 700#, min psi 700#, avg pump rate 7 BPM. ISIP Zero. Hooked well up to wtr inj line 8/25/70. Inj. rate 1350 BWPD @ 1650 psi.

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

SIGNED [signature] TITLE Dist. Supt. DATE 10-19-70

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

USGS(3)OGCC(2)Navajo Tribe-Superior Oil Co.-HHB-WLW-GLE
Farm SLC Cortez

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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.)

5. LEASE DESIGNATION AND SERIAL NO.: SL-070968-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Aneth

8. FARM OR LEASE NAME:

9. WELL NO.: B-213

10. FIELD AND POOL, OR WILDCAT: Aneth Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 13-T40S-R23E-SLBM.

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

1. OIL WELL [ ] GAS WELL [ ] OTHER: Water Injection

2. NAME OF OPERATOR: Texaco Inc - Prod. Dept. - Rocky MTN

3. ADDRESS OF OPERATOR: Box 2100, Denver, Colorado 80201 (GLE)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface

3300 FSL + 3300 FEL

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4838 KB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOTING OR ACIDIZING	[X]	ABANDONMENT*	[ ]
(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.)*

Backflowed 75 BW and acidized w/ 750 gal. 15% inhibited HCL acid, displaced w/ injection water. Backflowed 75 BW, injected 20 gal. biocide, placed on injection

Pressure	Rate	Injection Test (BWPD) Before	After
1700 - 2850	2.5 bpm	240 @ 2300	- 500 @ 1800

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

SIGNED: L L Eaton /pb TITLE: District Superintendent DATE: 4-25-72

(This space for Federal or State office use)

APPROVED BY: TITLE: DATE:

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

USGS(3) OGCC(2) Navajo Tribe - Superior Oil Co. - HHB-GLE-WLW

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-1
Interval Tested _____ To _____ Date of Test _____
Point Tested 5708.5

Time in Hole 2:40 AM/~~PM~~ Time on Bottom 3:32 AM/~~PM~~
Time Open Period Began 3:35 AM/~~PM~~ Time Open Period Finished 4:35½ AM/~~PM~~
Time Off Bottom _____ AM/PM Time Out of Hole 5:40 AM/PM

Length of Open Period From Above 60½ MIN Length of Open Period From Pressure Chart 30 MIN

Sample (Air) Chamber Volume 300 cc Recovery NOT RECOVERABLE

Recorder No. HK# 1080 Element No. 12017 Range 2900 PSI

Clock No. 2776 Range 3 HRS

Open Period:

Depth of Recorder 5716.5 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.009	13				
½	0.420	606				
10	1.1998	1738				
15	1.2001	1739				
20	1.2005	1739				
25	1.2008	1740				
30.5	1.2009	1740				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5715		1.8093	2630			
5415		1.7151	2491			
5515		1.7467	2538			
5615		1.7781	2584			
5715		1.8103	2631			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-1
Interval Tested _____ To _____ Date of Test _____
Point Tested 5708.5

Time in Hole 2:40 AM/PM Time on Bottom 3:32 AM/PM
Time Open Period Began 3:35 AM/PM Time Open Period Finished 4:35½ AM/PM
Time Off Bottom _____ AM/PM Time Out of Hole 5:40 AM/PM

Length of Open Period From Above 60½ MIN Length of Open Period From Pressure Chart 30.5 MIN

Sample (Air) Chamber Volume 300 CC Recovery NOT RECOVERABLE

Recorder No. HK #1013 Element No. 2409N Range 3750 PSI

Clock No. 3674 Range 3HRS

Open Period:

Depth of Recorder 5716.5 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.009 - 0.632	17 TO 1186				
½	0.3242	606				
10	0.9259	1742				
15	0.9261	1743				
20	0.9263	1743				
25	0.9264	1743				
30.5	0.9268	1744				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5715		1.3971	2639			
5415		1.3247	2501			
5515		1.3490	2547			
5615		1.3729	2593			
5715		1.3972	2639			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-2
Interval Tested _____ To _____ Date of Test 4-20-59
Point Tested 5699.5

Time in Hole 6:10 AM/~~PM~~ Time on Bottom 6:38 AM/~~PM~~
Time Open Period Began 6:41½ AM/~~PM~~ Time Open Period Finished 8:34½ AM/~~PM~~
Time Off Bottom 8:37 AM/~~PM~~ Time Out of Hole _____ AM/PM

Length of Open Period From Above 113 MIN Length of Open Period From Pressure Chart 113 MIN

Sample (Air) Chamber Volume 300 CC Recovery UNRECOVERABLE

Recorder No. HK # 1080 Element No. 12017N Range 2900 PSI

Clock No. 3674 Range 3 HRS

Open Period:

Depth of Recorder 5707.5 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.008-0.285	12-412		70	1.1389	1650
2	0.3512	507		80	1.1968	1734
10	0.3897	563		90	1.2287	1780
20	0.4733	684		95	1.2392	1796
30	0.5907	825		100	1.2468	1807
40	0.7394	1069		105	1.2531	1816
50	0.9040	1309		110	1.2573	1822
60	1.0398	1507		113	1.2590	1825

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5706		1.8010	2618			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT 5-2
Interval Tested _____ To _____ Date of Test 4-20-59
Point Tested 5699.5

Time in Hole 6:10 AM/~~PM~~ Time on Bottom 6:38 AM/~~PM~~
Time Open Period Began 6:41½ AM/~~PM~~ Time Open Period Finished 8:34½ AM/~~PM~~
Time Off Bottom 8:37 AM/PM Time Out of Hole _____ AM/PM

Length of Open Period From Above 113 MIN Length of Open Period From Pressure Chart 95 MIN (CLOCK STOPPED)

Sample (Air) Chamber Volume 300 CC Recovery UNRECOVERABLE

Recorder No. HK# 1013 Element No. 2409N Range 3750 PSI

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5707.5 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.009 - 0.928	17 - 1746		70	0.8920	1678
2	0.2728	511		80	0.9322	1754
10	0.3039	569		90	0.9532	1794
20	0.3721	696		95	0.9602	1807
30	0.4692	878		HUMP TO	0.9731	1832
40	0.5929	1112				
50	0.7228	1358				
60	0.8229	1547				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5706		1.3918	2629			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-3
Interval Tested _____ To _____ Date of Test 4-20-53
Point Tested 5721

Time in Hole 9:40 AM/~~PM~~ Time on Bottom 10:10 AM/~~PM~~
Time Open Period Began 10:16 AM/~~PM~~ Time Open Period Finished 11:16 AM/~~PM~~
Time Off Bottom 11:16 AM/~~PM~~ Time Out of Hole 11:30 AM/~~PM~~

Length of Open Period From Above 60 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 CC Recovery UNRECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2500 PSI

Clock No. 3674 Range 3 HRS

Open Period:

Depth of Recorder 5723 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.009-0.865	13-1251		55	1.3210	1915
0.5	0.3551	513		60	1.3219	1917
10	1.2940	1876				
20	1.3192	1913				
30	1.3210	1915				
40	1.3213	1916				
45	1.3218	1916				
50	1.3218	1916				
52	1.3203	1914				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT 5-3
Interval Tested _____ To _____ Date of Test 4-20-59
Point Tested 5721

Time in Hole 9:40 AM/~~PM~~ Time on Bottom 10:10 AM/~~PM~~
Time Open Period Began 10:16 AM/~~PM~~ Time Open Period Finished 11:16 AM/~~PM~~
Time Off Bottom 11:16 AM/~~PM~~ Time Out of Hole 11:30 AM/~~PM~~

Length of Open Period From Above 60 MIN Length of Open Period From Pressure Chart 60 MIN

Sample (Air) Chamber Volume 300 CC Recovery UNRECOVERABLE

Recorder No. HK # 1013 Element No. 2409N Range 3750 PSI

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5729 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.007 - 0.702	13 - 1318		55	1.0188	1919
0.5	0.2750	515		60	1.0188	1919
10	1.0007	1885				
20	1.0168	1916				
30	1.0179	1918				
40	1.0188	1919				
45	1.0188	1919				
50	1.0188	1919				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5728		1.3950	2635			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCLUMBERGER WIRE LINE Number of Test WLT 5-4
Interval Tested _____ To _____ Date of Test _____
Point Tested 5724.5

Time in Hole 12:20 ~~AM~~/PM Time on Bottom 12:50 ~~AM~~/PM
Time Open Period Began 12:53 ~~AM~~/PM Time Open Period Finished 2:31 ~~AM~~/PM
Time Off Bottom 2:35 ~~AM~~/PM Time Out of Hole 3:00 ~~AM~~/PM

Length of Open Period From Above 98 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 CC Recovery UNRECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2900 PSI

Clock No. 3674 Range 3 HRS

Open Period:

Depth of Recorder 5732.5 (Inside/Outside)

Time MIN	Deflect In.	Pressure PSIG		TIME MIN	DEFLECT IN.	PRESSURE PSIG
0	.355	513		70	1.328	1926
1	.367	530		80	1.330	1928
10	.567	819		85	1.330	"
20	.962	1393		90	1.330	"
30	1.221	1769		95	1.330	"
40	1.300	1885		98	1.330	"
50	1.319	1912				
60	1.326	1923				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5731						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BUETON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-4
Interval Tested _____ To _____ Date of Test _____
Point Tested 5724.5

Time in Hole 12:20 AM/PM Time on Bottom 12:50 AM/PM
Time Open Period Began 12:53 AM/PM Time Open Period Finished 2:31 AM/PM
Time Off Bottom 2:35 AM/PM Time Out of Hole 3:00 AM/PM

Length of Open Period From Above 98 MIN Length of Open Period From Pressure Chart 95 MIN

Sample (Air) Chamber Volume 300 cc Recovery UNRECOVERABLE

Recorder No. HK #1013 Element No. 2409N Range 3750 PSI

Clock No. 5347 Range 3HRS

Open Period:

Depth of Recorder 5732.5 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.007 - 0.789	13 - 1483		70	1.0215	1925
1	0.2690	504		80	1.0240	1929
10	0.4095	766		85	1.0250	1931
20	0.7038	1322		90	1.0257	1933
30	0.9323	1754		95	1.0260	1933
40	0.9962	1876		98	1.0260	1933
50	1.0123	1907				
60	1.0182	1918				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5731		1.3974	2640			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-5A
Interval Tested _____ To _____ Date of Test 4-20-59
Point Tested 5728

Time in Hole _____ AM/PM Time on Bottom _____ AM/PM
Time Open Period Began 5:24 ~~AM~~/PM Time Open Period Finished 6:30 ~~AM~~/PM
Time Off Bottom 6:34 ~~AM~~/PM Time Out of Hole _____ AM/PM

Length of Open Period From Above 66 MIN Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 cc Recovery SAMPLE UNRECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2900 PSI

Clock No. _____ Range 3 HRS

Open Period:

Depth of Recorder 5736 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.330	477		55	1.329	1927
0.5	.365	527		60	1.329	"
10	1.231	1784		66	1.329	"
20	1.322	1917				
30	1.327	1924				
40	1.328	1926				
45	1.328	1926				
50	1.329	1927				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5735						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT 5-5A
Interval Tested _____ To _____ Date of Test 4-20-59
Point Tested 5728

Time in Hole _____ AM/PM Time on Bottom _____ AM/PM
Time Open Period Began 5:24 AM/PM Time Open Period Finished 6:30 AM/PM
Time Off Bottom 6:34 AM/PM Time Out of Hole _____ AM/PM

Length of Open Period From Above 66 MIN Length of Open Period From Pressure Chart 64 MIN

Sample (Air) Chamber Volume 300 CC Recovery SAMPLE UNRECOVERABLE

Recorder No. HK #1013 Element No. 2403 N Range _____

Clock No. 5347 Range 3 HR.

Open Period:

Depth of Recorder 5736 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.006-0.710	11-1334		55	1.0218	1925
0.5	0.2548	477		60	1.0218	1925
10	0.9593	1806		65	1.0220	1925
20	1.0168	1916		66	1.0220	1925
30	1.0200	1922				
40	1.0211	1924				
45	1.0212	1924				
50	1.0212	1924				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5735		1.3934	2632			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCLUMBERGER WIRE LINE Number of Test WLT S-6A
Interval Tested _____ To _____ Date of Test 4-20-59
Point Tested 5733'

Time in Hole 9:15 ~~AM~~/PM Time on Bottom 9:33 ~~AM~~/PM
Time Open Period Began 9:34 ~~AM~~/PM Time Open Period Finished 11:35 ~~AM~~/PM
Time Off Bottom 11:38 ~~AM~~/PM Time Out of Hole _____ AM/PM

Length of Open Period From Above 121 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 CC Recovery SAMPLE NOT RECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2500 PSI

Clock No. 3674 Range 3 HPS

Open Period:

Depth of Recorder 5741 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.331	478		70	1.274	1847
3	.332	480		80	1.306	1893
10	.353	510		90	1.321	1915
20	.416	601		100	1.328	1926
30	.587	848		105	1.330	1928
40	.832	1204		110	1.333	1933
50	1.050	1522		115	1.337	1939
60	1.196	1736		121	1.338	1940

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5740						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-6A
Interval Tested _____ To _____ Date of Test 4-20-59
Point Tested 5733'

Time in Hole 9:15 AM/PM Time on Bottom 9:33 AM/PM
Time Open Period Began 9:34 AM/PM Time Open Period Finished 11:35 AM/PM
Time Off Bottom 11:38 AM/PM Time Out of Hole _____ AM/PM

Length of Open Period From Above 121 MIN Length of Open Period From Pressure Chart 118 MIN

Sample (Air) Chamber Volume 300 cc Recovery SAMPLE NOT RECOVERABLE

Recorder No. HK#1013 Element No. 2409N Range _____

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5741 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.006-0.88	11 TO 1655		70	0.9738	1833
3	0.2532	474		80	0.9998	1883
10	0.2664	499		90	1.0120	1906
20	0.3163	592		100	1.0182	1918
30	0.4407	825		105	1.0205	1923
40	0.6259	1174		110	1.0230	1927
50	0.8035	1510		115	1.0259	1933
60	0.9151	1722		121	1.0284	1938

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5740		1.3918	2629			

Remarks:

Bottom Hole Pressure Date Shee

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-7
Interval Tested _____ To _____ Date of Test _____
Point Tested 5743

Time in Hole 12:45 AM/~~PM~~ Time on Bottom _____ AM/PM
Time Open Period Began 1:12 AM/~~PM~~ Time Open Period Finished 2:12 AM/~~PM~~
Time Off Bottom 2:15 AM/~~PM~~ Time Out of Hole 3:00 AM/~~PM~~

Length of Open Period From Above 60 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 cc Recovery SAMPLE UNRECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2900 PSI

Clock No. 3674 Range 3 HRS

Open Period:

Depth of Recorder 5751 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.392	566		55	1.323	1918
1	.574	829		60	1.323	"
10	1.239	1796				
20	1.313	1904				
30	1.323	1918				
40	1.325	1921				
45	1.322	1917				
50	1.322	"				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5438						
5538						
5638						
5738						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT 5-7
Interval Tested _____ To _____ Date of Test _____
Point Tested 5743

Time in Hole 12:45 AM/PM Time on Bottom _____ AM/PM
Time Open Period Began 1:12 AM/PM Time Open Period Finished 2:12 AM/PM
Time Off Bottom 2:15 AM/PM Time Out of Hole 3:00 AM/PM

Length of Open Period From Above 60 MIN Length of Open Period From Pressure Chart 59 MIN

Sample (Air) Chamber Volume 300 CC Recovery SAMPLE UNRECOVERABLE

Recorder No. HK #1013 Element No. 2409 Range 3750 PSI

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5751 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.008 - 0.850	15-1599		55	1.0155	1913
1	0.2981	558		60	1.0151	1912
10	0.9422	1773				
20	1.0081	1899				
30	1.0151	1912				
40	1.0178	1917				
45	1.0161	1914				
50	1.0157	1913				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5438		1.3204	2493			
5538		1.3443	2539			
5638		1.3686	2585			
5738		1.3936	2633			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCLUMBERGER WIRE LINE Number of Test WLT S-8
Interval Tested _____ To _____ Date of Test 4-21-59
Point Tested 5773

Time in Hole 3:30 AM/~~PM~~ Time on Bottom _____ AM/PM
Time Open Period Began 4:00 AM/~~PM~~ Time Open Period Finished 5:02 AM/~~PM~~
Time Off Bottom 5:05 AM/~~PM~~ Time Out of Hole _____ AM/PM

Length of Open Period From Above 62 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 cc Recovery NIT RECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2500 PSI

Clock No. 3674 Range 3HRS

Open Period:

Depth of Recorder 5781 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.343	496		55	1.326	1923
½	.587	848		60	1.326	"
10	1.319	1912		62	1.326	"
20	1.324	1920				
30	1.325	1921				
40	1.326	1923				
45	1.326	"				
50	1.326	"				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5780						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-12
Interval Tested _____ To _____ Date of Test 4-21-59
Point Tested 5797

Time in Hole 4:30 AM/PM Time on Bottom _____ AM/PM
Time Open Period Began 4:45 AM/PM Time Open Period Finished 5:45 AM/PM
Time Off Bottom 5:48 AM/PM Time Out of Hole 6:05 AM/PM

Length of Open Period From Above 60 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 CC Recovery SAMPLE UNRECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2300 PSI

Clock No. 3674 Range 3HR

Open Period:

Depth of Recorder 5805 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.423	611		55	1.293	1874
> 0.5	.660	954		60	1.293	"
10	1.287	1866				
20	1.290	1870				
30	1.291	1872				
40	1.292	1873				
45	1.293	1874				
50	1.293	"				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5804						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-8
Interval Tested _____ To _____ Date of Test 4-21-59
Point Tested 5773

Time in Hole 3:50 AM/PM Time on Bottom _____ AM/PM
Time Open Period Began 4:00 AM/PM Time Open Period Finished 5:02 AM/PM
Time Off Bottom 5:05 AM/PM Time Out of Hole _____ AM/PM

Length of Open Period From Above 62 MIN Length of Open Period From Pressure Chart 60 MIN

Sample (Air) Chamber Volume 300 CC Recovery SAMPLE NOT RECOVERABLE

Recorder No. HK #1013 Element No. 2409N Range 3750 PSI

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5781 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.006-0.494	11-925		55	1.0182	1918
½	0.2641	494		60	1.0182	1918
10	1.0139	1910		62	1.0182	1918
20	1.0170	1916				
30	1.0178	1917				
40	1.0180	1918				
45	1.0182	1918				
50	1.0182	1918				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5780		1.3976	2640			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT 5-12
Interval Tested _____ To _____ Date of Test 4-21-59
Point Tested 5727

Time in Hole 4:30 AM/PM Time on Bottom _____ AM/PM
Time Open Period Began 4:45 AM/PM Time Open Period Finished 5:45 AM/PM
Time Off Bottom 5:48 AM/PM Time Out of Hole 6:05 AM/PM

Length of Open Period From Above 60 MIN Length of Open Period From Pressure Chart 60 MIN

Sample (Air) Chamber Volume 300 cc Recovery SAMPLE NOT RECOVERABLE

Recorder No. HK #1013 Element No. 2409 N Range 3750 PSI

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5805 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.009-0.931	17-1752		55	0.9941	1872
>0.5	APPROX 0.336	628		60	0.9942	1872
10	0.9922	1869				
20	0.9928	1870				
30	0.9934	1871				
40	0.9944	1873				
45	0.9947	1873				
50	0.9947	1873				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5804		1.4018	2648			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-17A
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5829

Time in Hole 9:30 AM/~~PM~~ Time on Bottom _____ AM/PM
Time Open Period Began 9:52 AM/~~PM~~ Time Open Period Finished 12:00 AM/~~PM~~
Time Off Bottom 12:03 ~~AM~~/PM Time Out of Hole 12:30 ~~AM~~/PM

Length of Open Period From Above 128 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 CC Recovery NOT RECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2900 PSI

Clock No. 3674 Range 3HRS

Open Period:

Depth of Recorder 5837 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.329	475		80	1.400	2031
1	.330	477		82	1.411	2047
10	.379	548		90	1.453	2108
20	.480	693		100	1.483	2151
30	.604	872		110	1.500	2176
40	.787	1138		115	1.504	2182
50	.975	1412		120	1.507	2186
60	1.150	1666		125	1.508	2188
70	1.312	1902		128	1.510	2191

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5836						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRELINE Number of Test S-17A
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5829

Time in Hole 9:30 AM/~~PM~~ Time on Bottom _____ AM/PM
Time Open Period Began 9:52 AM/~~PM~~ Time Open Period Finished 12:00 AM/~~PM~~
Time Off Bottom 12:03 ~~AM~~/PM Time Out of Hole 12:30 ~~AM~~/PM

Length of Open Period From Above 128 MIN Length of Open Period From Pressure Chart 125 MIN

Sample (Air) Chamber Volume 300 cc Recovery NOT RECOVERABLE

Recorder No. HK #1013 Element No. 2409N Range _____

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5837 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.0069-0.686	13 to 1288		80	1.1608	2189
1	0.2526	473		~~82~~ 90	~~1.1613~~ 1.1609	~~2190~~ 2189
10	0.3221	602		100	1.1645	2196
20	0.4687	877		110	1.1668	2200
30	0.6869	1290		115	1.1672	2201
40	0.9158	1723		120	1.1679	2203
50	1.0590	1996		125	1.1687	2204
60	1.1242	2120		128	1.1690	2205
70	1.1509	2170				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5836'		1.4004	2646			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-18
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5841

Time in Hole 1:10 ~~AM~~/PM Time on Bottom _____ AM/PM
Time Open Period Began 1:52 ~~AM~~/PM Time Open Period Finished 3:35 ~~AM~~/PM
Time Off Bottom 3:40 ~~AM~~/PM Time Out of Hole 4:05 ~~AM~~/PM

Length of Open Period From Above 103 MIN. Length of Open Period From Pressure Chart 72 MIN (CLOCK RAN DOWN)

Sample (Air) Chamber Volume 300 cc Recovery NOT RECOVERABLE

Recorder No. HK #999 Element No. 7769 N Range 3800 PSI

Clock No. 2776 Range 3HRS BUT DOUBLE PITCH LEAD SCREW CAUSES CHART TO BE RECORDED ON 1½ HR SCALE

Open Period:

Depth of Recorder 5849 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.257	494		70	1.115	2139
1	.263	506		72	1.121	2151
10	.337	647		85	1.141	2189
20	.472	905		90	1.144	2195
30	.665	1275		95	1.146	2198
40	.862	1654		100	1.148	2202
50	.994	1908		103	1.149	2204
60	1.078	2069				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5848						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT 5-18
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5841

Time in Hole 1:10 ~~AM~~/PM Time on Bottom _____ AM/PM
Time Open Period Began 1:52 ~~AM~~/PM Time Open Period Finished 3:35 ~~AM~~/PM
Time Off Bottom 3:40 ~~AM~~/PM Time Out of Hole 4:05 ~~AM~~/PM

Length of Open Period From Above 103 MIN Length of Open Period From Pressure Chart 101 MIN

Sample (Air) Chamber Volume 300 CC Recovery NOT RECOVERABLE

Recorder No. HK #1013 Element No. 2409N Range _____

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5849 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.009-0.795	17 to 1494		70	1.1801	2226
1	0.2616	490		80	1.1810	2227
10	0.5141	963		85	1.1812	2228
20	0.9608	1809		90	1.1821	2229
30	1.1340	2138		95	1.1824	2230
40	1.1675	2204		100	1.1826	2230
50	1.1760	2218		103	1.1830	2231
60	1.1791	2224				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5848		1.4012	2647			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCLUMBERGER WIRE LINE Number of Test WLT S-19
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5752

Time in Hole 4:45 ~~AM~~/PM Time on Bottom _____ AM/PM
Time Open Period Began 5:05 ~~AM~~/PM Time Open Period Finished 6:35 ~~AM~~/PM
Time Off Bottom 6:40 ~~AM~~/PM Time Out of Hole 7:05 ~~AM~~/PM

Length of Open Period From Above 90 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 cc Recovery UNRECOVERABLE

Recorder No. HK #1080 Element No. 12017N Range 2900 PSI

Clock No. _____ Range 3 HRS

Open Period:

Depth of Recorder 5760 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.321	464		70	1.318	1911
1	.372	537		75	1.319	1912
10	1.094	1585		80	1.320	1914
20	1.297	1880		85	1.320	"
30	1.309	1898		90	1.320	"
40	1.315	1907				
50	1.316	1908				
60	1.317	1909				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5759						

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT 5-19
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5752

Time in Hole 4:45 ~~AM~~/PM Time on Bottom _____ AM/PM
Time Open Period Began 5:05 ~~AM~~/PM Time Open Period Finished 6:35 ~~AM~~/PM
Time Off Bottom 6:40 ~~AM~~/PM Time Out of Hole 7:05 ~~AM~~/PM

Length of Open Period From Above 90 MIN Length of Open Period From Pressure Chart 88 MIN

Sample (Air) Chamber Volume 300 CC Recovery SAMPLE UNRECOVERABLE

Recorder No. HK #1013 Element No. 7409N Range 3750 PSI

Clock No. 5347 Range 3 HR

Open Period:

Depth of Recorder 5760 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.004 - 0.622	8 - 1167		70	1.0178	1917
1	0.250	468		75	1.0184	1919
10	0.7825	1471		80	1.0189	1920
20	0.9959	1876		85	1.0191	1920
30	1.0097	1902		90	1.0198	1921
40	1.0129	1908				
50	1.0149	1912				
60	1.0165	1915				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5759		1.3772	2601			

Remarks:

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-20
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5762

Time in Hole 7:40 ~~AM~~/PM Time on Bottom _____ AM/PM
Time Open Period Began 8:03 ~~AM~~/PM Time Open Period Finished 9:15 ~~AM~~/PM
Time Off Bottom 9:18 ~~AM~~/PM Time Out of Hole 10:00 ~~AM~~/PM

Length of Open Period From Above 72 MIN Length of Open Period From Pressure Chart 71 MIN

Sample (Air) Chamber Volume 300 cc Recovery SAMPLE NOT RECOVERABLE

Recorder No. HK #1013 Element No. 2409 N Range 3750 PSI

Clock No. 5347 Range 3 HRS

Open Period:

Depth of Recorder 5770 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	0.005-0.711	9-1335		60	1.0181	1918
1	0.258	483		65	1.0179	1918
10	0.9928	1870		70	1.0174	1917
20	1.0138	1910		72	1.0172	1916
30	1.0156	1913				
40	1.0172	1916				
50	1.0180	1918				
55	1.0181	1918				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5779		1.3778	2603			
5450		1.2995	2453			
5550		1.3241	2500			
5650		1.3482	2546			

Remarks:

5750
5850

Bottom Hole Pressure Date Sheet

ANETH Field

Well BURTON 22-13

Type Tester SCHLUMBERGER WIRE LINE Number of Test WLT S-20
Interval Tested _____ To _____ Date of Test 4-22-59
Point Tested 5762

Time in Hole 7:40 AM/PM Time on Bottom _____ AM/PM
Time Open Period Began 8:03 AM/PM Time Open Period Finished 9:15 AM/PM
Time Off Bottom 9:18 AM/PM Time Out of Hole 10:00 AM/PM

Length of Open Period From Above 72 MIN. Length of Open Period From Pressure Chart _____

Sample (Air) Chamber Volume 300 CC Recovery NOT RECOVERABLE

Recorder No. HK # 1080 Element No. 12017N Range 2500 PSI

Clock No. _____ Range 3 HRS

Open Period:

Depth of Recorder 5770 (Inside/Outside)

Time	Deflect In.	Pressure PSIG				
0	.282	407		60	1.320	1914
1	.373	539		65	1.319	1912
10	1.287	1866		70	1.319	"
20	1.315	1907		72	1.318	1911
30	1.320	1914				
40	1.322	1917				
50	1.322	"				
55	1.322	"				

Hydrostatic Gradient Stops:

Recorder Depth Feet	Time	Defl. In.	Pressure PSIG	ΔP PSI	ΔD Feet	ΔP/ΔD PSI/Feet
5779						
5450						
5550						
5650						
5750						
5850						

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONVENTIONAL TESTER Number of Test DST B-21
Interval Tested 5816 To 5845.5 Date of Test 4-23-59

Main (Hydraulic) Valve opened 7:05 ~~AM~~/PM Shut-in Pressure Valve Closed After 180± seconds
Trip (Top) Valve opened 11:09 AM/PM Tool Shut in 12:09 AM/PM
Packers Pulled 4:09 AM/~~PM~~ GTS _____ Minutes
Blow IMMEDIATE FAINT BLOW CONTINUING FOR DURATION OF OPEN PERIOD
Recovery 90' (0.48) OBM

	From Above	From Pressure Chart
Length of Initial Shut-in	241 MIN	233 MIN
Length of Flow Period	60	NO INDICATION ON CHART
Length of Final Shut-in	240	WHEN FINAL SHUT-IN WAS MADE

Recorder No. HK # 1013 Element No. 2409 N Range 3750
Clock No. _____ Range 24 HR
Depth of Recorder 5842.5 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	-0.0168	0-32				
40	1.1192	2110				
80	1.1449	2159				
120	1.1541	2176				
160	1.1594	2186				
180	1.1611	2190				
200	1.1625	2192				
210	1.1629	2193				
220	1.1636	2194				
230	1.1640	2195				
241	1.1644	2196				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0207	39				
10	0.0212	40				
20	0.0230	43				
30	0.0258	48				
40	0.0269	51				
50	0.0288	54				
60	0.0302	57				

Field ANETH

Well BURTON 22-13

Test No. B-21 Recorder No. HK #1013

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0302	57				
10	0.0318	60				
20	0.0334	63				
40	0.0363	68				
60	0.0400	75				
80	0.0432	81				
120	0.0499	94				
160	0.0554	104				
180	0.0588	111				
200	0.0622	117				
220	0.0648	122				
240	0.0673	126				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial	AT LOGGING DEPTH		1.4340	2710		
Final			1.4394	2720		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONVENTIONAL STRADDLE Number of Test DST B-23
Interval Tested 5794 To 5801 Date of Test 4-28-59

Main (Hydraulic) Valve opened 2:35 AM/PM Shut-in Pressure Valve Closed After 60± seconds

Trip (Top) Valve opened 6:35 AM/PM Tool Shut in 7:35 AM/PM
Packers Pulled 11:35 AM/PM GTS _____ Minutes
Blow IMMEDIATE WEAK BLOW CONTINUING STEADILY THROUGHOUT FLOW PERIOD
Recovery 30' (0.1B) WCOBM & 240' (1.1B) FORMATION WATER

	From Above	From Pressure Chart
Length of Initial Shut-in	239 MIN	231
Length of Flow Period	60	UNRELIABLE DUE TO APPARENT SHIFT
Length of Final Shut-in	240	220

Recorder No. AK-1 #1050 Element No. 2457N Range _____
Clock No. _____ Range 24 HRS
Depth of Recorder 5783 Inside/~~Outside~~

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0				
40	2.2091	1852				
80	2.2153	1857				
120	2.2171	1859				
160	2.2182	1860				
180	2.2188	1860				
200	2.2197	1861				
210	2.2197	1861				
220	2.2197	1861				
230	2.2199	1861				
239	2.2198	1861				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0348	29				
10	0.0522	43				
20	0.0820	68				
30	0.1085	90				
40	0.1338	111				
50	0.1579	131				
60	0.1802	150				

Field ANETH

Well BURTON 22-13

Test No. DST 8-23 Recorder No. AK-1 #1050

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.1802	150				
5	1.9097	1599				
10	1.9647	1646				
20	2.0258	1697				
40	2.0868	1748				
60	2.1168	1774				
80	2.1371	1791				
100	2.1496	1801				
120	2.1596	1810				
140	2.1677	1817				
160	2.1739	1822				
180	2.1790	1826				
190	2.1812	1828				
200	2.1832	1830				
210	2.1850	1832				
220	2.1866	1833				
230	2.1879	1834				
240	2.1889	1835				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
		FROM	3.1480	2658		
Initial AT LOGGING DEPTH		TO	3.1499	2659		
Final		FROM	3.1458	2656		
			3.1478	2658		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B & O CONV. STRADDLE Number of Test DST B-23
Interval Tested 5794 To 5801 Date of Test 4-28-59

Main (Hydraulic) Valve opened 2:35 AM/PM Shut-in Pressure Valve Closed After 60 ± seconds
Trip (Top) Valve opened 6:35 AM/PM Tool Shut in 7:35 AM/PM
Packers Pulled 11:35 AM/PM GTS _____ Minutes
Blow IMMEDIATE WEAK BLOW CONTINUING STEADILY THROUGHOUT FLOW PERIOD
Recovery 30' (0.1B) WCOBM. & 240' (1.1B) FORMATION WATER

	From Above	From Pressure Chart
Length of Initial Shut-in	239 MIN	
Length of Flow Period	60	
Length of Final Shut-in	240	

Recorder No. AK-1 #1051 Element No. 2430 N Range 3100 PSI
Clock No. _____ Range 24 HCS
Depth of Recorder 5807.5 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0				
40	2.4150	1874				
80	2.4201	1878				
120	2.4219	1879				
160	2.4230	1880				
180	2.4232	1880				
200	2.4241	1881				
220	2.4243	1881				
230	2.4249	1881				
239	2.4252	1882				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0685	52				
10	0.0868	66				
20	0.1167	89				
30	0.1434	110				
40	0.1639	126				
50	0.1879	144				
60	0.2208	171				

Field ANETH

Well BURTON 22-13

Test No. DST B-23 Recorder No. AK-1 #1051

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.2208	171				
10	2.1330	1650				
20	2.2183	1717				
40	2.2780	1764				
60	2.3157	1795				
80	2.3382	1812				
100	2.3540	1825				
120	2.3655	1834				
140	2.3742	1841				
160	2.3798	1846				
180	2.3861	1851				
190	2.3881	1852				
200	2.3902	1854				
210	2.3921	1855				
220	2.3936	1857				
230	2.3961	1858				
240	2.3970	1859				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial AT LOGGING DEPTH			3.3931	2659		
Final			3.4355	2693		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONV. STRADDLE Number of Test DST 8-24
Interval Tested 5781 To 5793.5 Date of Test 4-29-59

Main (Hydraulic) Valve opened 3:15 AM/PM Shut-in Pressure Valve Closed After 15± seconds
Trip (Top) Valve opened 7:15 AM/PM Tool Shut in 8:15 AM/PM
Packers Pulled 12:15 AM/PM GTS _____ Minutes
Blow IMMEDIATE FAINT BLOW - DEAD AFTER 7 MINUTES
Recovery 10' (0.05 B) OBM

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	233 MIN
Length of Flow Period	60	NO INDICATION OF TOOL BEING
Length of Final Shut-in	240	SHUT IN

Recorder No. HK #1013 Element No. 2409N Range _____
Clock No. _____ Range 24 HRS
Depth of Recorder 5790.5' ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0-0.0142	0-27		170	0.9497	1787
20	0.0377	71		180	0.9540	1796
40	0.2562	480		190	0.9580	1803
60	0.6427	1206		200	0.9611	1809
80	0.7972	1498		210	0.9641	1815
100	0.8669	1631		220	0.9669	1820
120	0.9070	1706		225	0.9679	1822
140	0.9302	1750		230	0.9690	1824
150	0.9372	1764		235	0.9701	1826
160	0.9440	1777		240	0.9710	1828

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0149	28		60	0.0152	29
10	0.0150	28				
20	0.0150	28				
30	0.0152	29				
40	0.0153	29				
50	0.0154	29				

Field ANETH

Well BURTON 22-13

Test No. B-24 Recorder No. HK #1013

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0152	29				
10	0.0153	29				
20	0.0153	29				
40	0.0155	29				
80	0.0158	30				
120	0.0161	30				
160	0.0162	30				
200	0.0163	31				
220	0.0166	31				
240	0.0168	32				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial AT	LOGGING	DEPTH	1.4080	2660		
Final			1.4069	2658		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B & O CONV. STRADDLE Number of Test DST B-24
Interval Tested 5781 To 5793.5 Date of Test 4-29-59

Main (Hydraulic) Valve opened 3:15 ~~AM~~/PM Shut-in Pressure Valve Closed After 15± seconds

Trip (Top) Valve opened 7:15 ~~AM~~/PM Tool Shut in 8:15 ~~AM~~/PM
Packers Pulled 12:15 AM/~~PM~~ GTS _____ Minutes
Blow IMMEDIATE FAINT BLOW - DEAD AFTER 7 MIN
Recovery 10' (0.05 B) OBM

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	APPROX 235 MIN
Length of Flow Period	60	
Length of Final Shut-in	240	

Recorder No. AK-1#1050 Element No. 2457N Range 3350 PSI
Clock No. _____ Range 24 HRS
Depth of Recorder 5775.5 Inside/~~Outside~~

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0		170	2.1190	1775
20	0.0331	27		180	2.1279	1783
40	0.1230	102		190	2.1351	1789
60	1.1733	979		200	2.1466	1799
80	1.7512	1466		210	2.1520	1804
100	1.9122	1601		220	2.1570	1808
120	2.0149	1688		225	2.1600	1810
140	2.0722	1736		230	2.1620	1812
150	2.0886	1750		235	2.1642	1814
160	2.1019	1761		240	2.1658	1815

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0138	11		60	0.0164	14
10	0.0148	12				
20	0.0152	13				
30	0.0152	13				
40	0.0160	13				
50	0.0161	13				

Field ANETH

Well BURTON 22-13

Test No. B-24 Recorder No. AK-1 #1050

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0164	14				
10	0.0165	14				
20	0.0168	14				
40	0.0170	14				
80	0.0172	14				
120	0.0178	15				
160	0.0180	15				
200	0.0180	15				
220	0.0179	15				
240	0.0179	15				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial AT LOGGING DEPTH			3.1274	2640		
Final			3.1240	2637		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B & O Number of Test B-24
Interval Tested 5781 To 5793.5 Date of Test 4-29-59

Main (Hydraulic) Valve opened 3:15 ~~AM~~/PM Shut-in Pressure Valve Closed After 15 seconds
Trip (Top) Valve opened 7:15 ~~AM~~/PM Tool Shut in 8:15 ~~AM~~/PM
Packers Pulled 12:15 AM/~~PM~~ GTS _____ Minutes
Blow IMMEDIATE FAINT BLOW - DEAD AFTER 7 MIN.
Recovery 10' (0.5 B) OBM

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	240
Length of Flow Period	60	60
Length of Final Shut-in	240	240

Recorder No. AK-1 1051 Element No. 2430 N Range 3100 PSI
Clock No. _____ Range 24 HR
Depth of Recorder 5800.5' ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0	190	2.3260	1803	
40	0.5747	442	200	2.3351	1810	
80	1.9676	1511	205	2.3373	1812	
100	2.1384	1654	210	2.3407	1815	
120	2.2057	1707	215	2.3448	1818	
140	2.2632	1753	220	2.3470	1820	
150	2.2794	1766	225	2.3503	1822	
160	2.2956	1778	230	2.3522	1824	
170	2.3072	1788	235	2.3537	1825	
180	2.3164	1795	240	2.3562	1827	

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0310	24	60	0.0310	24	
10	0.0310	24				
20	0.0310	24				
30	0.0310	24				
40	0.0310	24				
50	0.0310	24				

Field ANETH

Well BURTON 22-13

Test No. B-24 Recorder No. AK-1 #1051

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0310	24				
10	0.0282	22				
20	0.0282	22				
40	0.0279	21				
80	0.0292	22				
120	0.0296	23				
160	0.0309	24				
200	0.0311	24				
220	0.0311	24				
240	0.0311	24				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial	AT LOGGING	DEPTH	3.4040	2668		
Final			3.3974	2663		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONV. STRADDLE Number of Test DST B-25
Interval Tested 5739.5 To 5779 Date of Test 4-30-59

Main (Hydraulic) Valve opened 11:48 ~~AM~~/PM Shut-in Pressure Valve Closed After 20± seconds
Trip (Top) Valve opened 11:51 ~~AM~~/PM Tool Shut in — AM/PM
Packers Pulled 12:40 AM/~~PM~~ GTS IN 26 MIN, OTS 40 Minutes
Blow IMMEDIATE MODERATE BLOW
Recovery BACKSCUTTLED 11 BBLS FORMATION OIL

	From Above	From Pressure Chart
Length of Initial Shut-in	3 MIN	5 MIN
Length of Flow Period	49	43
Length of Final Shut-in	—	

Recorder No. HK #1013 Element No. 2409N Range
Clock No. Range
Depth of Recorder 5775.5 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.1627	305				
3 MIN	1.0087	1900				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.3234	605	43	0.4619	864	END OF FLOW PERIOD 2
9	0.3216	602	49	0.5089	953	
10	0.2320	434				
20	0.3017	566				
30	0.3846	719				
40	0.4541	850				

Field ANETH

Well BURTON 22-13

Test No. B-25 Recorder No. HK #1013

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				

Hydrostatic Pressures

		Time	Depth Ft.	Deflection In.	Pressure PSIG		
	FROM			1.4078	2660		
Initial	TO			1.4089	2662		
Final	FROM			1.4043	2653		
	TO			1.4049	2654		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B+O CONVENTIONAL STRADDLE Number of Test DST B-25 A
Interval Tested 5740.5 To 5779 Date of Test 5-1-59

Main (Hydraulic) Valve opened 4:16 ~~AM~~/PM Shut-in Pressure Valve Closed After 20± seconds

Trip (Top) Valve opened 7:15 ~~AM~~/PM Tool Shut in 9:11 ~~AM~~/PM
Packers Pulled 12:11 AM/~~PM~~ O+GTS WITHIN 2 Minutes
Blow FLOWED OIL FOR 10 MIN (1.75B IN LAST 8 MIN) THEN QUIT. MODERATE GAS BLOW FOR 35 MIN. THEN OIL FLOWED @ 240 BID
Recovery BACKSCUTTLED 7.5B OIL. CUMULATIVE OIL PRODUCED DURING OPEN PERIOD WAS 27.1 B

	From Above	From Pressure Chart
Length of Initial Shut-in	179 MIN.	APPROX 184 MIN
Length of Flow Period	116	APPROX 115
Length of Final Shut-in	180 MIN.	UNRELIABLE BECAUSE OF SHIFT

Recorder No. AK-1 #1051 Element No. 2430N Range 3100 PSI
Clock No. _____ Range 24HRS
Depth of Recorder 5766 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.4451	342				
20	2.4428	1896				
40	2.4446	1897				
80	2.4459	1898				
120	2.4467	1899				
140	2.4470	1899				
150	2.4471	1899				
160	2.4471	1899				
170	2.4477	1900				
179	2.4479	1900				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.3785	291		60	1.1320	870
10	0.4946	380		70	0.9363	720
20	0.7241	557		80	0.8311	639
30	0.9467	728		90	0.8137	626
40	1.1356	873		100	0.7699	592
50	1.2989	998		110	0.7602	585
ABOUT 53	1.3036	1002		116	0.7591	584

Field ANETA

Well BURTON 22-13

Test No. DST B-25A Recorder No. AN-17051

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.7591	584				
5	2.2481	1741				
10	2.2741	1761				
20	2.3152	1794				
30	2.3391	1813				
40	2.3540	1825				
50	2.3633	1832				
60	2.3720	1839				
70	2.3788	1845				
80	2.3840	1849				
100	2.3928	1856				
120	2.3990	1861				
130	2.4015	1863				
140	2.4040	1865				
150	2.4059	1866				
160	2.4079	1868				
170	2.4094	1869				
180	2.4107	1870				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial			3.3769	2646		
Final			3.3740	2644		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well Burton 22-13

Type Tester B+O Conv. Straddle Number of Test DST B-25A
Interval Tested 5740.5 To 5779 Date of Test 5-1-59

Main (Hydraulic) Valve opened 4:16 AM/PM Shut-in Pressure Valve Closed After 20 seconds

Trip (Top) Valve opened 7:15 AM/PM Tool Shut in 9:11 AM/PM
Packers Pulled 12:11 AM/PM O+GTS WITHIN 2 Minutes
Blow FLOWED OIL FOR 10 MIN. (1.75 B IN LAST 8 MIN.) THEN QUIT. MODERATE GAS BLOW FOR 35 MIN, THEN OIL FLOWED @ 240 BID
Recovery BACKSCUTTLED 1.5 B OIL. CUMULATIVE OIL PRODUCED DURING OPEN PERIOD WAS 27.1 B.

	From Above	From Pressure Chart
Length of Initial Shut-in	179 MIN.	
Length of Flow Period	116	
Length of Final Shut-in	180 MIN.	

Recorder No. AK-1 #1050 Element No. 2457N Range 3350 PSI
Clock No. Range 24 HRS
Depth of Recorder 5760.5 Inside/~~Outside~~

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.4019	335				
20	2.2620	1897				
40	2.2650	1900				
80	2.2664	1901				
120	2.2670	1902				
140	2.2671	1902				
150	2.2671	1902				
160	2.2671	1902				
170	2.2671	1902				
179	2.2671	1902				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.3450	287		60	1.2037	1005
10	0.3810	317		70	1.0390	867
20	0.4728	394		80	0.8088	675
30	0.5791	483		90	0.7501	626
40	0.8525	711		100	0.7270	606
50	1.0458	873		110	0.7035	587
				116	0.6998	584

5760 1902

Field ANETH

Well BURTON 22-13

Test No. DST B-25 A Recorder No. Ak-1 #1050

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.6998	584				
5	1.8890	1582				
10	2.0570	1723				
20	2.1140	1771				
30	2.1485	1801				
40	2.1721	1821				
50	2.1869	1833				
60	2.1930	1838				
70	2.2010	1845				
80	2.2077	1851				
100	2.2150	1857				
120	2.2231	1864				
130	2.2250	1866				
140	2.2276	1868				
150	2.2290	1869				
160	2.2306	1870				
170	2.2326	1872				
180	2.2333	1873				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial			3.1302	2642		
Final			3.1226	2636		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONVENTIONAL STRADDLE Number of Test DST B-25A
Interval Tested 5740.5 To 5779 Date of Test 5-1-59

Main (Hydraulic) Valve opened 4:16 ~~AM~~/PM Shut-in Pressure Valve Closed After 20 seconds

Trip (Top) Valve opened 7:15 ~~AM~~/PM Tool Shut in 9:11 ~~AM~~/PM
Packers Pulled 12:11 AM/~~PM~~ O & GTS WITHIN 2 Minutes
Blow FLOWED OIL FOR 10 MIN (1.75 B IN LAST 8 MIN) THEN QUIT. MODERATE GAS BLOW FOR 35 MIN, THEN OIL FLOWED @ 240 B/D
Recovery BACKSCUTTLED 7.5 B OIL. CUMULATIVE OIL PRODUCED DURING OPEN PERIOD WAS 27.1 B

	From Above	From Pressure Chart
Length of Initial Shut-in	179 MIN	174
Length of Flow Period	116	113
Length of Final Shut-in	180 MIN	175

Recorder No. HK #1013 Element No. 2403N Range 3750 PSI
Clock No. _____ Range 24 HRS
Depth of Recorder 5775' ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.1833	345				
20	1.0138	1910				
40	1.0148	1912				
80	1.0151	1912				
120	1.0152	1912				
140	1.0153	1913				
150	1.0155	1913				
160	1.0155	1913				
170	1.0155	1913				
179	1.0157	1913				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.1578	296	60	0.4971	931	
10	0.1940	363	70	0.3978	744	
20	0.2810	526	80	0.3450	645	
30	0.3644	683	90	0.3353	627	
40	0.4415	826	100	0.3178	594	
50	0.5112	957	110	0.3134	586	
54.4	0.5383	1008	116	0.3129	585	

Field ANETH

Well BURTON 22-13

Test No. DST B-25A Recorder No. HK #1013

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.3129	585				
5	0.8910	1676				
10	0.9250	1740				
20	0.9514	1791				
30	0.9647	1816				
40	0.9715	1829				
50	0.9769	1839				
60	0.9812	1848				
70	0.9845	1854				
80	0.9868	1858				
100	0.9900	1864				
120	0.9927	1869				
130	0.9935	1871				
140	0.9945	1873				
150	0.9956	1875				
160	0.9960	1876				
170	0.9965	1877				
180	0.9969	1878				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
	FROM		1.4067	2658		
Initial	TO		1.4083	2661		
Final	FROM		1.4025	2650		
	TO		1.4030	2651		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B+D CONVENTIONAL STRADDLE Number of Test DST B-26
Interval Tested 5717 To 5737.5 Date of Test 5-2-59

Main (Hydraulic) Valve opened 1:03 ~~AM~~/PM Shut-in Pressure Valve Closed After 30± seconds

Trip (Top) Valve opened 5:05 ~~AM~~/PM Tool Shut in 6:07 ~~AM~~/PM
Packers Pulled 10:09 ~~AM~~/PM GTS IN 45 Minutes
Blow IMMEDIATE MODERATE BLOW CONTINUING STEADILY FOR REMAINDER OF FLOW PERIOD.
Recovery BACKSCUTTLED 2.5 B (560') OBMCO
AMERADA BOMB INDICATED 520' (2.3 B) RISE OF OBMCO (0.37 PSI/FT)

	From Above	From Pressure Chart
Length of Initial Shut-in	242 MIN.	
Length of Flow Period	62	
Length of Final Shut-in	242	

Recorder No. AK-1 #1051 Element No. 2430N Range 3100 PSI
Clock No. _____ Range _____
Depth of Recorder 5725 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0				
40	2.4522	1903				
80	2.4560	1906				
120	2.4581	1908				
160	2.4587	1908				
180	2.4599	1909				
200	2.4601	1909				
220	2.4601	1909				
230	2.4602	1909				
242	2.4603	1910				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0651	50				
10	0.0933	71				
20	0.1220	95				
30	0.1428	109				
40	0.1670	128				
50	0.1801	138				
62	0.2018	155				

Field ANETH

Well BURTON 22-13

Test No. DST B-26 Recorder No. AK-1 #1051

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.2018	155				
5	0.6200	477				
10	1.1020	847				
20	2.0621	1594				
40	2.2697	1758				
60	2.3298	1806				
80	2.3602	1830				
100	2.3789	1845				
120	2.3910	1854				
140	2.4000	1862				
160	2.4060	1866				
180	2.4121	1871				
190	2.4131	1872				
200	2.4160	1874				
210	2.4180	1876				
220	2.4193	1877				
230	2.4218	1879				
240	2.4230	1880				
242	2.4231	1880				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
	FROM		3.3461	2621		
Initial	TO		3.3514	2626		
Final			3.3515	2626		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONVENTIONAL STRADDLE Number of Test DST 8-26
Interval Tested 5717 To 5737.5 Date of Test 5-2-59

Main (Hydraulic) Valve opened 1:03 AM/PM Shut-in Pressure Valve Closed After 30± seconds

Trip (Top) Valve opened 5:05 AM/PM Tool Shut in 6:07 AM/PM
Packers Pulled 10:09 AM/PM GTS IN 45 Minutes
Blow IMMEDIATE MODERATE BLOW CONTINUING STEADILY FOR REMAINDER OF FLOW PERIOD.
Recovery BACKSCUTTLED 2.5 B (560') OBMCO
AMERADA BOMB INDICATED 520' (2.3B) RISE OF OBMCO (0.37 PSI/FT)

	From Above	From Pressure Chart
Length of Initial Shut-in	242 MIN	237 MIN
Length of Flow Period	62	60
Length of Final Shut-in	242	235

Recorder No. HK #1015 Element No. 2409N Range 3750 PSI
Clock No. Range 24HRS
Depth of Recorder 5734.5 Inside/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0138	26				
40	1.0140	1910				
80	1.0154	1913				
120	1.0161	1914				
160	1.0167	1915				
180	1.0170	1916				
200	1.0170	1916				
220	1.0170	1916				
230	1.0170	1916				
240	1.0170	1916				
242	1.0170	1916				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0280	53	60	0.0852	160	
10	0.0431	81	61.5	0.0858	161	
20	0.0550	103	62	0.0842	158	
30	0.0651	122				
40	0.0740	139				
50	0.0798	150				

Field ANETH

Well BURTON 22-13

Test No. B-26 Recorder No. HK #1013

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0842	158				
5	0.2132	399				
10	0.3550	664				
20	0.7100	1334				
40	0.9166	1725				
60	0.9550	1798				
80	0.9725	1831				
100	0.9798	1845				
120	0.9854	1855				
140	0.9891	1863				
160	0.9922	1869				
180	0.9949	1874				
190	0.9958	1875				
200	0.9968	1877				
210	0.9978	1879				
220	0.9983	1880				
230	0.9991	1882				
240	0.9998	1883				
242	0.9999	1883				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
Initial			1.3917	2629		
Final			1.3905	2627		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B+O CONVENTIONAL STRADDLE Number of Test DST B-26
Interval Tested 5717 To 5737.5 Date of Test 5-2-59

Main (Hydraulic) Valve opened 1:03 ~~AM~~/PM Shut-in Pressure Valve Closed After 30± seconds

Trip (Top) Valve opened 5:05 ~~AM~~/PM Tool Shut in 6:07 ~~AM~~/PM
Packers Pulled 10:09 ~~AM~~/PM GTS IN 45 Minutes
Blow IMMEDIATE MODERATE BLOW CONTINUING STEADILY FOR REMAINDER OF FLOW PERIOD.
Recovery BACKSCUTTLED 2.5 B (560') OBMCO
AMERADA BOMB INDICATED 520' (2.3 B) RISE OF OBMCO (0.37 PSI/FT)

	From Above	From Pressure Chart	
Length of Initial Shut-in	242 MIN.	APPROX	SAME
Length of Flow Period	62	"	"
Length of Final Shut-in	242	"	220 MIN

Recorder No. AK-1 #1050 Element No. 2457 N Range 3350 PSIG
Clock No. _____ Range 24 HRS
Depth of Recorder 5709 Inside/~~Outside~~

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0				
40	2.2641	1899				
80	2.2704	1905				
120	2.2722	1906				
160	2.2730	1907				
180	2.2734	1907				
200	2.2736	1907				
220	2.2736	1907				
230	2.2736	1907				
242	2.2736	1907				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0460	38				
10	0.0870	72				
20	0.1218	101				
30	0.1402	116				
40	0.1560	129				
50	0.1689	140				
62	0.1855	154				

Field ANETH

Well BURTON 22-13

Test No. B-26 Recorder No. AK-1#1050

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.1855	154				
5	0.4060	338				
10	0.7060	589				
20	1.7857	1495				
40	2.0996	1759				
60	2.1552	1806				
80	2.1828	1830				
100	2.1990	1844				
120	2.2095	1852				
140	2.2170	1859				
160	2.2237	1865				
180	2.2280	1868				
190	2.2300	1870				
200	2.2320	1872				
210	2.2339	1873				
220	2.2350	1874				
230	2.2368	1876				
242	2.2388	1877				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
	FROM		3.0970	2613		
Initial	TO		3.1018	2618		
Final			3.0958	2612		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B+O CONVENTIONAL STRADDLE Number of Test DST B-27A
Interval Tested 5705 To 5717 Date of Test 5-5-59

Main (Hydraulic) Valve opened 11:04 ~~AM~~/PM Shut-in Pressure Valve Closed After 30± seconds

Trip (Top) Valve opened 3:04 AM/~~PM~~ Tool Shut in 4:04 AM/~~PM~~
Packers Pulled 8:05 AM/~~PM~~ GTS IN 4 Minutes
Blow IMMEDIATE MODERATE BLOW CONTINUING THROUGHOUT OPEN PERIOD
Recovery BACKSCUTTLED 1.5 B FORMATION OIL
AMERADA BOMB INDICATED 452' (2B) RISE OF OBMCO (0.36 PSI/FT)

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	
Length of Flow Period	60	
Length of Final Shut-in	241	

Recorder No. AK-1 #1051 Element No. 2430 N Range 3100 PSI
Clock No. _____ Range 24 HRS
Depth of Recorder 5722.5 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0420	32				
40	2.1823	1689				
80	2.1891	1694				
120	2.1920	1696				
160	2.1942	1698				
180	2.1955	1699				
200	2.1960	1699				
210	2.1965	1700				
220	2.1968	1700				
230	2.1971	1700				
240	2.1975	1701				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0958	73				
10	0.0902	69				
20	0.1018	78				
30	0.1170	90				
40	0.1289	99				
50	0.1499	115				
60	0.1641	126				

Field ANETH

Well BURTON 22-13

Test No. DST B-21A Recorder No. AK-1 #1051

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.1641	126				
5	0.2568	197				
10	1.2067	927				
20	1.9182	1480				
40	2.0198	1560				
60	2.0738	1603				
80	2.0963	1621				
100	2.1134	1638				
120	2.1244	1643				
140	2.1329	1649				
160	2.1394	1655				
180	2.1452	1659				
200	2.1492	1662				
210	2.1510	1664				
220	2.1534	1666				
230	2.1550	1667				
241	2.1575	1669				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
From			3.3350	2611		
Initial To			3.3508	2625		
Final			3.3340	2612		

Remarks:

ttom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester BTO CONVENTIONAL STRADDLE Number of Test DST B-27A
Interval Tested 5705 To 5717 Date of Test 5-5-59

Main (Hydraulic) Valve opened 11:04 ~~AM~~/PM Shut-in Pressure Valve Closed After 30± seconds

Trip (Top) Valve opened 3:04 AM/~~PM~~ Tool Shut in 4:04 AM/~~PM~~
Packers Pulled 8:05 AM/~~PM~~ GTS IN 4 Minutes
Blow IMMEDIATE MODERATE BLOW CONTINUING THROUGHOUT OPEN PERIOD
Recovery BACKSCUTTLED 1.5 B FORMATION OIL
AMERADA BOMB INDICATED 452' (2B) RISE OF OBMCD (0.36 PSI/FT)

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	
Length of Flow Period	60	
Length of Final Shut-in	241	ABOUT 220

Recorder No. AK-1 #1050 Element No. 2457N Range 3400 PSI
Clock No. _____ Range _____
Depth of Recorder 5697 Inside/~~Outside~~

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0				
40	2.0042	1679				
80	2.0187	1691				
120	2.0231	1695				
160	2.0256	1697				
180	2.0258	1697				
200	2.0270	1698				
210	2.0270	1698				
220	2.0280	1699				
230	2.0282	1699				
240	2.0286	1699				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0717	60				
10	0.0729	61				
20	0.0831	69				
30	0.1012	84				
40	0.1113	93				
50	0.1262	105				
60	0.1490	124				

Field ANETH

Well BURTON 22-13

Test No. DST B-27A Recorder No. AK-1 #1050

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.1490	124				
5	1.3549	1132				
10	1.6520	1382				
20	1.7931	1501				
40	1.8806	1575				
60	1.9202	1608				
80	1.9416	1626				
100	1.9546	1637				
120	1.9631	1644				
140	1.9720	1652				
160	1.9790	1658				
180	1.9840	1662				
200	1.9879	1665				
210	1.9888	1666				
220	1.9910	1668				
230	1.9931	1669				
241	1.9953	1671				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
	FROM		3.0751	2594		
Initial	TO		3.0912	2608		
Final			3.0750	2594		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONVENTIONAL STRADDLE Number of Test DST B-27A
Interval Tested 5705 To 5717 Date of Test 5-5-59

Main (Hydraulic) Valve opened 11:04 ~~AM~~/PM Shut-in Pressure Valve Closed After 30± seconds

Trip (Top) Valve opened 3:04 AM/~~PM~~ Tool Shut in 4:04 AM/~~PM~~
Packers Pulled 8:05 AM/~~PM~~ GTS IN 4 Minutes
Blow IMMEDIATE MODERATE BLOW CONTINUING THROUGHOUT OPEN PERIOD
Recovery BACKSCUTTLED 1.5 B FORMATION OIL
AMERADA BOMB INDICATED 452' (2B) RISE OF OBMCO (0.36 PSI/FT)

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	233 MIN
Length of Flow Period	60	60
Length of Final Shut-in	241	234

Recorder No. HK #1013 Element No. 2409N Range
Clock No. Range 24 HRS
Depth of Recorder 5714 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0517	97				
40	0.8999	1693				
80	0.9036	1700				
120	0.9047	1702				
160	0.9048	1703				
180	0.9052	1703				
200	0.9054	1703				
210	0.9056	1704				
220	0.9057	1704				
230	0.9058	1704				
240	0.9059	1704				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0381	72				
10	0.0390	73				
20	0.0432	81				
30	0.0502	94				
40	0.0571	107				
50	0.0632	119				
60	0.0692	130				

Field ANETH

Well BURTON 22-13

Test No. DST B-27A Recorder No. HK #1013

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0692	130				
5	0.4172	780				
10	0.6451	1210				
20	0.7748	1456				
40	0.8321	1565				
60	0.8521	1603				
80	0.8630	1623				
100	0.8702	1637				
120	0.8749	1646				
140	0.8786	1655				
160	0.8819	1659				
180	0.8840	1663				
200	0.8856	1666				
210	0.8864	1668				
220	0.8869	1669				
230	0.8877	1670				
240	0.8882	1671				
241	0.8883	1671				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
FROM			1.3813	2609		
Initial			1.3821	2611		
Final			1.3807	2608		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B&O CONVENTIONAL STRADDLE Number of Test DST B-28
Interval Tested 5696 To 5704.5 Date of Test 5-5-59

Main (Hydraulic) Valve opened 4:41 AM/~~PM~~ Shut-in Pressure Valve Closed After 30 seconds

Trip (Top) Valve opened 8:41 AM/~~PM~~ Tool Shut in 9:41 AM/~~PM~~
Packers Pulled 1:43 ~~AM~~/PM GTS _____ Minutes
Blow INITIALLY DEAD. AFTER 45 MIN A FAINT BLOW CONTINUING STEADILY FOR REMAINDER OF FLOW PERIOD
Recovery 25'(0.1B) 30CCBM

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	232 MIN
Length of Flow Period	60	68
Length of Final Shut-in	242 MIN	221

Recorder No. AK-1 #1050 Element No. 2457N Range 3350 PSI
Clock No. _____ Range 24 HRS
Depth of Recorder 5688' Inside/~~Outside~~

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0				
40	2.1596	1810				
80	2.1828	1830				
120	2.1880	1834				
160	2.1912	1837				
180	2.1910	1837				
200	2.1912	1837				
210	2.1916	1837				
220	2.1918	1837				
230	2.1927	1838				
240	2.1934	1839				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0227	19				
10	0.0228	19				
20	0.0229	19				
30	0.0239	20				
40	0.0247	20				
50	0.0260	22				
60	0.0278	23				

Field ANETH

Well BURTON 22-13

Test No. DST B-28 Recorder No. AK-1 #1050

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0278	23				
5	0.0564	47				
10	0.0924	77				
20	0.1954	162				
40	0.6190	516				
60	1.8118	1517				
80	2.0068	1681				
100	2.0620	1727				
120	2.0901	1751				
140	2.1081	1766				
160	2.1218	1778				
180	2.1320	1786				
200	2.1393	1793				
210	2.1433	1796				
220	2.1460	1798				
230	2.1483	1800				
240	2.1510	1803				
242	2.1512	1803				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
	FROM		3.0472	2573		
Initial	TO		3.0842	2606		
Final	FROM		3.0762	2599		
	TO		3.0823	2604		

Remarks:

Bottom Hole Pressure Data Sheet

Field ANETH

Well BURTON 22-13

Type Tester B+O CONVENTIONAL STRADDLE Number of Test DST B-28
Interval Tested 5696 To 5704.5 Date of Test 5-5-59

Main (Hydraulic) Valve opened 4:41 AM/~~PM~~ Shut-in Pressure Valve Closed After 30± seconds

Trip (Top) Valve opened 8:41 AM/~~PM~~ Tool Shut in 9:41 AM/~~PM~~
Packers Pulled 1:43 ~~AM~~/PM GTS _____ Minutes
Blow INITIALLY DEAD. AFTER 45 MIN A FAINT BLOW CONTINUING STEADILY FOR REMAINDER OF FLOW PERIOD
Recovery 25' (0.13) SOCORM

	From Above	From Pressure Chart
Length of Initial Shut-in	240 MIN	
Length of Flow Period	60	
Length of Final Shut-in	242 MIN	

Recorder No. AK-1#1051 Element No. 2430N Range 3100 PSI
Clock No. _____ Range 24 HRS
Depth of Recorder 5710.5 ~~Inside~~/Outside

Initial Shut-In Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0	0				
40	2.3470	1820				
80	2.3560	1827				
120	2.3710	1839				
160	2.3721	1840				
180	2.3734	1841				
200	2.3740	1841				
210	2.3742	1841				
220	2.3742	1841				
230	2.3744	1841				
240	2.3750	1842				

Flow Period Pressure Readings:

Time	Deflect In.	Pressure PSIG				
0	0.0370	28				
10	0.0352	27				
20	0.0351	27				
30	0.0349	27				
40	0.0351	27				
50	0.0360	28				
60	0.0373	28				

Field ANETH

Well BURTON 22-13

Test No. DST B-2 & Recorder No. AK-1 #1051

Final Shut-In Pressure Readings:

Time	Deflect In	Pressure PSIG				
0	0.0373	28				
5	0.0556	42				
10	0.1060	81				
20	0.1918	147				
40	0.5563	428				
60	1.9810	1529				
80	2.1739	1682				
100	2.2338	1729				
120	2.2641	1753				
140	2.2840	1769				
160	2.2980	1780				
180	2.3120	1792				
200	2.3182	1797				
210	2.3225	1800				
220	2.3250	1802				
230	2.3290	1805				
240	2.3310	1807				
242	2.3312	1807				

Hydrostatic Pressures

	Time	Depth Ft.	Deflection In.	Pressure PSIG		
FROM			3.3040	2587		
Initial TO			3.3478	2623		
Final			3.3470	2622		

Remarks:

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other 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 ☐ GAS WELL ☐ OTHER Water Injection

2. NAME OF OPERATOR: TEXACO Inc.

3. ADDRESS OF OPERATOR: P.O. Box EE, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 3300' from South line & 3300' from East line.

5. LEASE DESIGNATION AND SERIAL NO.: SL 070968 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Aneth Unit

8. FARM OR LEASE NAME:

9. WELL NO.: B213

10. FIELD AND POOL, OR WILDCAT: Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 13,T40S,R23E, SLBM

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4838' KB

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	X	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(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.) *

Reason for workover was to increase water injectivity. Proceeded with workover as follow:

Commenced workover on 4-26-1973. Set baker packer at 5600'. Acidized open hole with 3000 gallons of NE-HCL acid. ISIP - 3400, Max. press. 4700, Avg. press. 4300, Avg. rate 4.5. Rate before 350 BWPD, Rate after 575 BWPD.

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

SIGNED W. R. Wilson TITLE Field Foreman DATE 5-24-73

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OGCC(3)

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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.)

5. LEASE DESIGNATION AND SERIAL NO.: SL 070968 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☐ OTHER Water Injection

7. UNIT AGREEMENT NAME: Aneth Unit

2. NAME OF OPERATOR: TEXACO, INC.

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: P.O. Box EE Cortez, Colorado 81321

9. WELL NO.: B213

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 3300' FSL & 3300' FEL

10. FIELD AND POOL, OR WILDCAT: Aneth Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 13, T40S, R23E, SLM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4838' KB

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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	X	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(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.) *

Commenced workover 9-25-74. Rigged up and pumped 35,000 SCF Nitrogen from surface to TD. Pumped 700 gal. 15% HCL @ ½ BPM. Pumped 25,000 SCF Nitrogen. Released pressure and put back on injection.

Injection before workover = 300 BWIPD @ 2200 psi
Injection after workover = 612 BWIPD @ 2100 psi.

Increase of 312 BWIPD.

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

SIGNED Alvin R. Mary TITLE Field Foreman DATE 3-13-74

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

USGS(3), OGCC(2), JAS, GLE, ARM, SUPERIOR, NAVAJO TRIBE

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF
Texaco Inc.
ADDRESS P.O. Box EE
Cortez, Colorado ZIP 81321
INDIVIDUAL ___ PARTNERSHIP ___ CORPORATION X
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE Aneth Unit B213 WELL
SEC. 13 TWP. 40S RANGE 23E
San Juan COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐

APPLICATION

Comes now the applicant and shows the Division the following:
1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

Lease Name	Well No.	Field	County
Aneth Unit	B213	Aneth	San Juan

Location of Enhanced Recovery Injection or Disposal Well: SE-NW Sec. 13 Twp. 40S Rge. 23E

New Well To Be Drilled	Old Well To Be Converted	Casing Test
Yes ☐ No ☒	Yes ☐ No ☒	Yes ☒ No ☐ Date 7-29-83

Depth-Base Lowest Known Fresh Water Within ½ Mile	Does Injection Zone Contain Oil-Gas-Fresh Water Within ½ Mile	State What
1170	YES ☒ NO ☐	Oil & Gas

Location of Injection Source(s): Aneth Unit Producing Wells & San Juan River

Geologic Name(s) and Depth of Source(s): Desert Creek & Ismay ± 5600

Geologic Name of Injection Zone: Paradox; Ismay & Desert Creek

Depth of Injection Interval: 5695 to 5867

a. Top of the Perforated Interval:	b. Base of Fresh Water:	c. Intervening Thickness (a minus b)
5695	1170	4525

Is the intervening thickness sufficient to show fresh water will be protected without additional data? (YES) NO

Lithology of Intervening Zones: Sandstone, limestone, anhydrite w/ intermittent shale layers

Injection Rates and Pressures
Maximum 2000 B/D
2500 PSI

The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent

U.S. Dept of Interior
2000 Adm. Bldg.
Salt Lake City, Utah
84104

State of Colorado)
County of Montezuma)

Alvin R. Mary Field Engr
Applicant

Before me, the undersigned authority, on this day personally appeared Alvin R. Mary known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 7 day of Oct., 19 83

SEAL

Matilda M. Deering
925 So. Broadway Cortez, Co.
Notary Public ~~in and for~~

My commission expires 2-17-85

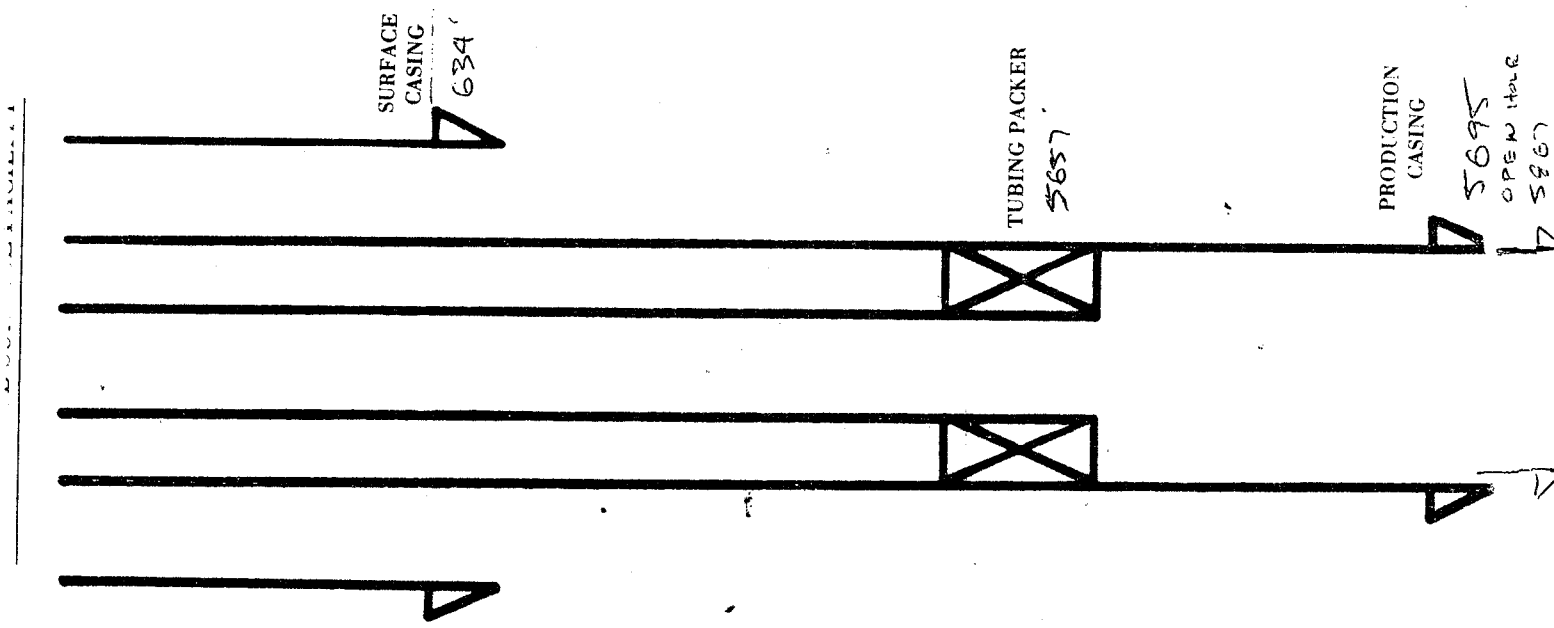
(OVER)

INSTRUCTIONS

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within ½ mile, together and with name of operator.
4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
5. Attach Electric or Radioactivity Log of Subject well (if released).
6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within ½ mile of injection well.
9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.
10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH KB'	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	10 3/4	634	300	N/A	—
Intermediate					
Production	7 OPEN-HOLE	5695 5867	200 —	N/A —	— —
Tubing	2 3/8	5648	Name - Type - Depth of Tubing Packer Baker R-3 Double Grip - 5657		
Total Depth 5868	Geologic Name - Inj. Zone Desert Creek		Depth - Top of Inj. Interval 5695		Depth - Base of Inj. Interval 5867



(To be filed within 30 days after drilling is completed)

SL-070968A
COUNTY LEASE NO.

DEPARTMENT OF NATURAL RESOURCES AND ENERGY
DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

API NO

640 Acres
N
W E
S
Locate Well Correctly and Outline Lease

COUNTY San Juan SEC. 13 TWP. 40S RGE. 23E
COMPANY OPERATING Texaco Inc.
OFFICE ADDRESS P.O. Box E E
TOWN Cortez STATE ZIP Colo 81321
FARM NAME Aneth Unit WELL NO. B213
DRILLING STARTED 2-23 1959 DRILLING FINISHED 7-20 1959
DATE OF FIRST PRODUCTION 9-1-59 COMPLETED 7-20-59
WELL LOCATED NW ¼ SW ¼ NW ¼
3300' FT. FROM SL OF SEC. & 1980 FT. FROM WL OF SEC.
ELEVATION DERRICK FLOOR 4838 GROUND 4826

TYPE COMPLETION
Single Zone Desert Creek Order No.
Multiple Zone Order No.
Comingled Order No.
LOCATION EXCEPTION Order No. Penalty

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek	5695	5790			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt	Grade	Feet	Psi	Sax	Fillup	Top
10 3/4	33	NA	634	NA	300	NA	NA
7	20-23	NA	5695	NA	200	NA	NA
open Hole 6 1/8	NA	NA	5867	NA	NA	NA	NA

TOTAL DEPTH 5868

PACKERS SET DEPTH 5657

COMPLETION & TEST DATA BY PRODUCING FORMATION

	1	2	3
FORMATION	Desert Creek		
SPACING & SPACING ORDER NO.	40 Acre		
CLASSIFICATION (Oil; Gas; Dry; Inj. Well)	Oil Well		
PERFORATED	5695-5867		
INTERVALS			
ACIDIZED?	15% HCl		
	3000 gals Reg. & Retarded		
FRACTURE TREATED?			

INITIAL TEST DATA

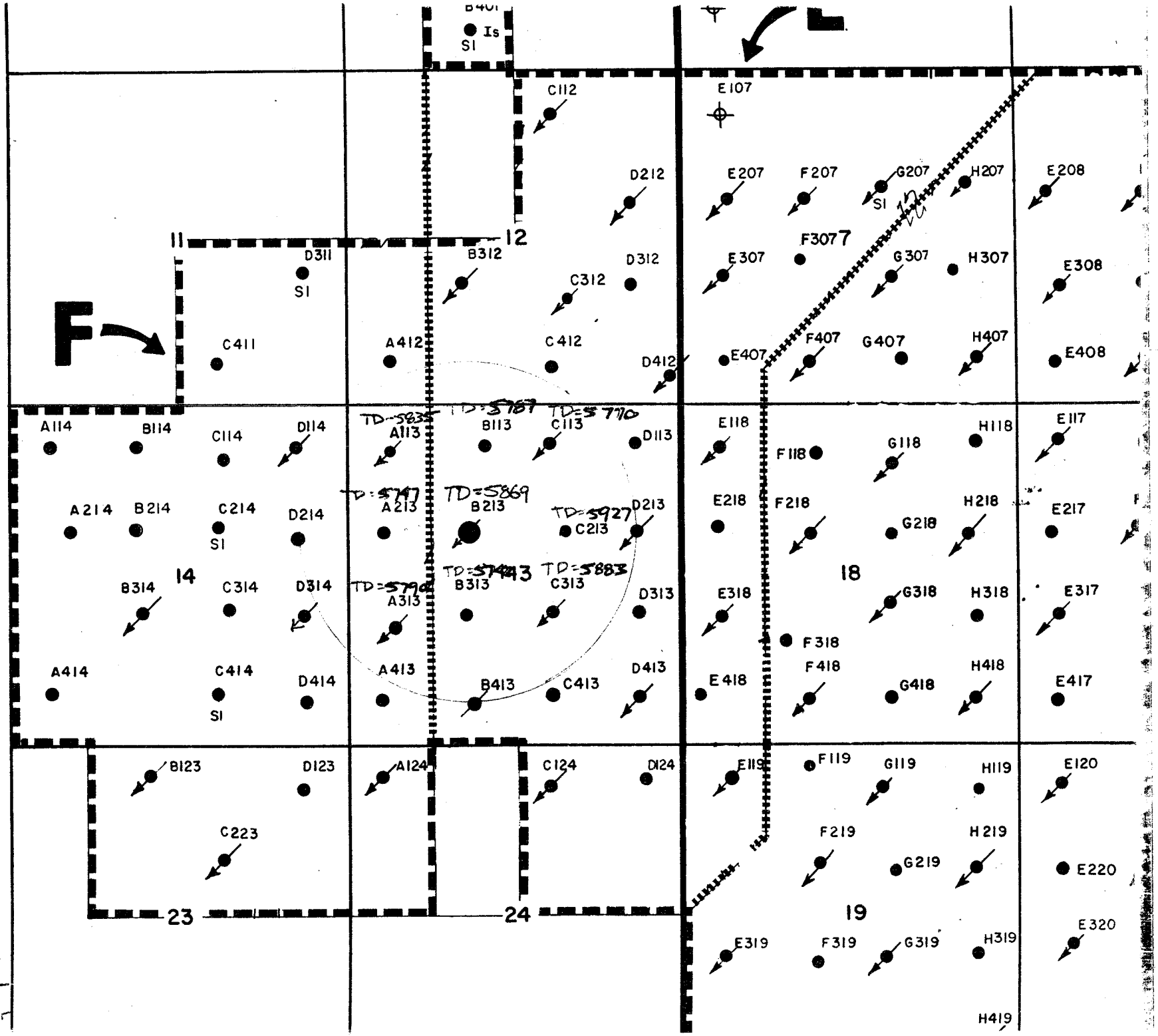
Date	7-20-59		
Oil. bbl./day	273		
Oil Gravity	41°		
Gas. Cu. Ft./day	314000 CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	1150		
Water-Bbl./day	2		
Pumping or Flowing	Flowing		
CHOKE SIZE	24/64		
FLOW TUBING PRESSURE	± 310		

A record of the formations drilled through, and pertinent remarks are presented on the reverse. (use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 303-565-8401 John R. Many Field Supt
Name and title of representative of company

Subscribed and sworn before me this 7 day of October, 19 83.
Matilda M. Deering
Notary



Legend

● Prod. Well

Inj. Well

T 40S R 23E

San Juan County Utah

Texaco Inc. - operator

BLM - Landowner

NL Treating Chemicals/NL Industries, Inc.

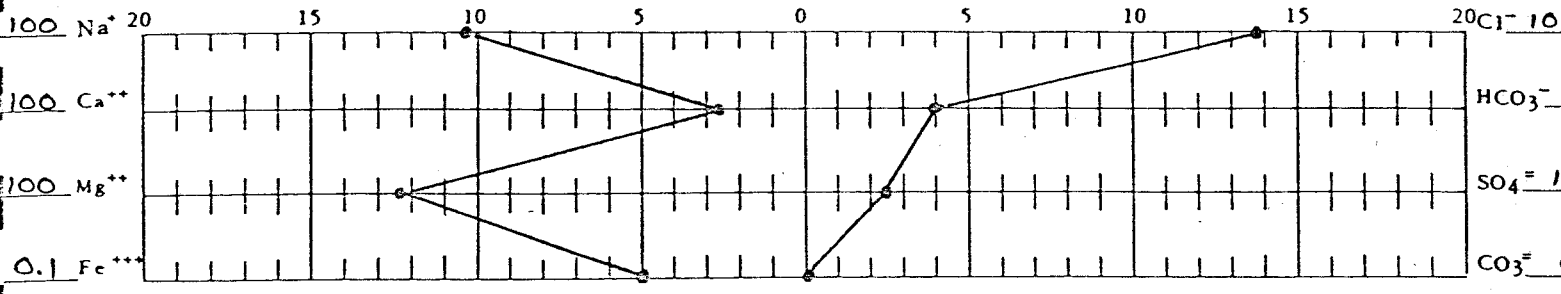
P.O. Box 1675, Houston, Texas 77001

WATER ANALYSIS REPORT

SHEET NUMBER	
COMPANY	TEXACO, INCORPORATED
DATE	5 APRIL 198
FIELD	ANETH
COUNTY OR PARISH	SAN JUAN
STATE	UTAH
LEASE OR UNIT	ANETH
WELL(S) NAME OR NO.	INJECTION WATER
WATER SOURCE (FORMATION)	
DEPTH, FT.	
BHT, F	
SAMPLE SOURCE	PLANT
TEMP, F	
WATER, BBL/DAY	
OIL, BBL/DAY	
GAS, MMCF/DAY	
DATE SAMPLED	6 APRIL 1982
TYPE OF WATER	☐ PRODUCED ☒ SUPPLY ☒ WATERFLOOD ☐ SALT WATER DISPO

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)



DISSOLVED SOLIDS

CATIONS	me/l*	mg/l*
Total Hardness	392.0	
Calcium, Ca^{++}	268.0	5360.0
Magnesium, Mg^{++}	124.0	1519.0
Iron (Total) Fe^{+++}	0.5	10.0
Barium, Ba^{++}	—	1.0
Sodium, Na^{+} (calc.)	1035.1	23807.3
ANIONS		
Chloride, Cl^{-}	1380.3	49000.0
Sulfate, $SO_4^{=}$	24.5	1175.0
Carbonate, $CO_3^{=}$	0.0	0.0
Bicarbonate, HCO_3^{-}	4.0	244.0
Hydroxyl, OH^{-}	0.0	0.0
Sulfide, $S^{=}$	18.8	300.0

DISSOLVED GASES

Hydrogen Sulfide, H_2S	337.5	mg/l*
Carbon Dioxide, CO_2	185.0	mg/l*
Oxygen, O_2	1.0	mg/l*

PHYSICAL PROPERTIES

pH	6.65	
Eh (Redox Potential)	N.D.	MV
Specific Gravity	N.D.	
Turbidity, JTU Units	N.D.	
Total Dissolved Solids (calc.)	81385.3	mg/l*
Stability Index @ 77 F	+0.39	
@ 140 F	+1.32	
$CaSO_4$ Solubility @ 77 F	306.6	me/l*
@ 176 F	306.8	me/l*
Max. $CaSO_4$ Possible (calc.)	24.5	me/l*
Max. $BaSO_4$ Possible (calc.)	1.0	mg/l*
Residual Hydrocarbons	N.D.	ppm(Vol/

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide ☐ Iron Oxide ☐ Calcium Carbonate ☐ Acid Insoluble ☐

*NOTE: me/l and mg/l are common used interchangeably for epm and pp respectively. Where epm and ppm a used, corrections should be made f specific gravity.

REMARKS AND RECOMMENDATIONS:

WATER SHOWS A TENDENCY TOWARD SCALING; PRIMARILY CALCIUM CARBONATE

BTC ENGINEER	DIST. NO.	ADDRESS	OFFICE PHONE	HOME PHONE
MARK BROTHERS	12	FARMINGTON, N.M.	505-325-5701	505-325-4

ANALYZED | DATE | DISTRIBUTION ☑ CUSTOMER ☑ [illegible] ☐ [illegible]

FORM S-45 10 78

TEXACO

INSTRUCTIONS · CANCELS LETTER(S) OF _____ SIGNED BY _____

☐ PERMANENT ☐ ROUTINE ☐ TEMPORARY

_____ _____ 19__

(LOCATION) (DATE)

Subject: Water Analysis from Navajo Aquifer

Aneth Unit H415
Location - SE¼ - SE¼ Sec 15, T40S, R24E
Sample Date - 1-17-59
Depth; Navajo Aquifer
Temp - 67° F
Ph - 8.7
Total Dissolved Solids - 2573 ppm

SiO_2 - 16 ppm	$CO_3^{=}$ - 130 ppm
Ca^{+} - 7 ppm	HCO_3^{-} - 156 ppm
Mg^{++} - 28 ppm	$SO_4^{=}$ - 599 ppm
Na^{+} - 76 ppm	Cl^{-} - 757 ppm

Aneth Unit G422
Location - SW¼ - SE¼ Sec 22, T40S, R24E
Sample Date - 1-18-59
Depth - Navajo Aquifer
Temp - 67°F
Ph - 9.2
Total Dissolved Solids - 2823 ppm

SiO_2 - 17 ppm	$CO_3^{=}$ - 925 ppm
Ca^{+} - 6 ppm	HCO_3^{-} - 912 ppm
Mg^{++} - 8 ppm	$SO_4^{=}$ - 265 ppm
Na^{+} - 915 ppm	Cl^{-} - 271 ppm

* Note: these numbers were obtained from Texaco Files in the Denver Division offices

If letter requires reply prepare in triplicate, forwarding original and duplicate, and retain copy.

P.O. Box 2100
Denver, Colo
80201

By _____

ADDRESSEE: Use reverse side to reply. Return original. Retain duplicate.

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * * * * * *

Operator: Texaco Well No. B 213

County: San Juan T 40S R 23E Sec. 13 API# 43-037-15825

New Well ___ Conversion ___ Disposal Well ___ Enhanced Recovery Well ___

	YES	NO
UIC Forms Completed	✓	
Plat including Surface Owners, Leaseholders, and wells of available record	✓	
Schematic Diagram	✓	
Fracture Information	✓	
Pressure and Rate Control	✓	
Adequate Geologic Information	✓	
Fluid Source	Desert Creek - Jsmy	
Analysis of Injection Fluid	Yes ✓	No ___ TDS 81,385
Analysis of Water in Formation to be injected into	Yes ✓	No ___ TDS 81,385
Known USDW in area	Morrison	Depth 1170
Number of wells in area of review	6 Prod. 4	P&A 0
	Water 0	Inj. 2
Aquifer Exemption	Yes ___	NA ✓
Mecnanical Integrity Test	Yes ___	No ✓
	Date ___	Type ___

Comments: _____

Reviewed by: [illegible]

TEXACO U.S.A.
P. O. Box 2100
Denver, CO 80201
4601 DTC Boulevard
Denver, CO 80237

TEXACO

November 26, 1985

RECEIVED
DEC 05 1985
DIVISION OF OIL
GAS & MINING

State of Utah
Natural Resources
Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Ms. Pam Kenna

40S. 23E. 13

Dear Ms. Kenna:

In response to your request of October 1, 1985 (see attached letter), please be advised that Texaco Inc. took over operations of Shell's wells in the Aneth Unit on September 1, 1961. Listed below are the wells involved.

Former Names	Well No.	Current Names Well No.
Shell and Three States Mesa	1	Aneth Unit C411
" " " " "	2	" " D311
Shell - Burton Federal	14-12	" " A412
" " "	34-12	" " C412
" " "	43-12	" " D312
" " "	23-12	" " B312
" " "	31-12	" " C112
" " "	14-13	" " A413
" " "	23-13	" " B313
" " "	33-13	" " C313
" " "	42-13	" " D213
" " "	12-13	" " A213
" " "	21-13	" " B113
" " "	31-13	" " C113
" " "	44-13	" " D413
" " "	22-13	" " B213

43-037-15825

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: SL 070968A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☐ OTHER Water Injection

7. UNIT AGREEMENT NAME: Aneth Unit

2. NAME OF OPERATOR: Texaco Inc.

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: P. O. Box EE Cortez, Co. 81321

9. WELL NO.: B213

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 3300' FSL & 3300' FEL

10. FIELD AND POOL, OR WILDCAT: Aneth Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 13, T40S, R23E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4838' KB

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		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CASING	
SHOOT OR ACIDIZE	X	ABANDON*		SHOOTING OR ACIDIZING		ABANDONMENT*	
REPAIR WELL	X	CHANGE PLANS		(Other)			
(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.)*

1) MIRUSU. TOOH.
2) Isolate Potential Casing leak, with PKR and RBP.
3) Squeeze w/class B cement. Pressure test to 1000 psi.
4) Clean out to PBTD @ 5790' KB.
5) Acidize preforations (open hole) below 5695' KB. w/ 25 bbls 15% HCl w/additives.
6) Swab back load. RDMOSU.
7) Return well to injection after inhibiting annulus.
8) Monitor rate, and pressures (tubing, annulus).

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 9/4/86
BY: [illegible]

RECEIVED
AUG 29 1986
DIVISION OF OIL, GAS & MINING

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

SIGNED [illegible] / A.R. Marx TITLE Area Superintendent DATE 8/27/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

BLM (4) UOGCC (2) Navajo Tribe - Mobil - LAA - JNH - ARM

*See Instructions on Reverse Side

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

UTAH DIVISION OF OIL, GAS AND MINING
CASING-BRADENHEAD TEST

OPERATOR: TEXACO Inc.

FIELD: Aneth LEASE:

WELL # B213 SEC. 13 TOWNSHIP 40S RANGE 23E

STATE (FED) FEE DEPTH 5868' TYPE WELL INJW MAX. INJ. PRESS. 2500 / 200

TEST DATE 11/13/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE	10 3/4"	634	300	VAcume		
INTERMEDIATE						
PRODUCTION	7" open hole	5695' 5868'	200	0		
TUBING	2 3/8"	3648		2250	Baker Double Grip C 5657	

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE						
INTERMEDIATE						
PRODUCTION						
TUBING						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE						
INTERMEDIATE						
PRODUCTION						
TUBING						

ACCT NUM	COMPANY NAME	FLD NUM	FIELD NAME	TOWN SHIP	RANGE	SEC	QTR QTR	API NUMBER	PROD ZONE	WELL STATUS	ENTITY	WELL NAME
N0980	TEXACO INC	365	GREATER ANETH	S400	E240	24	NWSE	43037161111	PRDX	WIW	99990	NAVAJO TRIBE C-15 (ANETH
				S400	E240	24	SESE	43037163311	PRDX	WIW	99990	NAVAJO TRIBE C-28 (ANETH
				S400	E240	24	SENE	4303716315	DSCR	PA	99998	NAVAJO TRIBE C-26 (ANETH
				S400	E240	25	SENE	43037161241	PRDX	WIW	99990	NAVAJO TRIBE C-11 (ANETH
				S400	E240	25	SESW	43037163011	PRDX	WIW	99990	NAVAJO TRIBE C-32 (ANETH
				S400	E240	25	SESE	43037161291	PRDX	WIW	99990	NAVAJO TRIBE C-24 (ANETH
				S400	E240	25	NWNW	43037160531	PRDX	WIW	99990	NAVAJO TRIBE C-14 (ANETH
				S400	E240	25	NWSW	43037160701	PRDX	WIW	99990	NAVAJO TRIBE C-21 (ANETH
				S400	E240	25	NWNE	43037160951	HRMS	WIW	99990	NAVAJO TRIBE C-6 (ANETH G
				S400	E240	26	SENW	43037162901	PRDX	WIW	99990	NAVAJO TRIBE C-23 (ANETH
				S400	E240	26	SESW	43037163021	PRDX	WIW	99990	NAVAJO TRIBE C-4 (ANETH F
				S400	E240	26	NWNW	43037160541	PRDX	WIW	99990	NAVAJO TRIBE C-29 (ANETH
				S400	E240	26	NWNE	4303730372	DSCR	WIW	99990	ANETH G-126X
				S400	E240	26	SESE	43037163321	PRDX	WIW	99990	NAVAJO TRIBE C-31 (ANETH
				S400	E240	26	NWSE	43037161131	PRDX	WIW	99990	NAVAJO TRIBE C-27 (ANETH
				S400	E240	26	SENE	43037163161	PRDX	WIW	99990	NAVAJO TRIBE C-19 (ANETH
				S400	E240	27	SESE	43037163331	PRDX	WIW	99990	ANETH 27-D-4 (ANETH H-427
				S400	E240	27	NWNW	43037167821	PRDX	WIW	99990	ANETH 27-A-1 (ANETH E-127
				S400	E240	27	SENE	43037163171	PRDX	WIW	99990	ANETH 27-D2 (ANETH H-227)
				S400	E240	27	NWNE	43037163071	PRDX	WIW	99990	ANETH 27-C-1 (ANETH G-127
				S400	E240	28	SENE	43037162281	PRDX	WIW	99990	ANETH H-228
				S400	E240	28	SENW	43037162911	PRDX	WIW	99990	ANETH A-28-B-2 (ANETH F-2
		380	ISMAY	S400	E260	16	NESW	43037164621	PRDX	WIW	99990	STATE WOOLLEY #4 (T-316)
				S400	E260	17	NENW	43037164561	ISMY	WIW	99990	NAVAJO TRIBE J-23 (T-117)
				S400	E260	17	NESW	43037164631	HRMS	WIW	99990	NAVAJO TRIBE J-10 (T-317)
				S400	E260	17	NENE	43037161881	HRMS	WIW	99990	NAVAJO TRIBE J-5 (V-117)
				S400	E260	17	NESE	43037161921	HRMS	WIW	99990	NAVAJO TRIBE J-2 (V-317)
				S400	E260	18	NENW	43037164571	ISMY	WIW	99990	NAVAJO TRIBE K-3 (T-118)
				S400	E260	19	NENW	43037164581	ISMY	WIW	99990	NAVAJO TRIBE K-9 (T-119)
				S400	E260	21	NENE	43037161911	ISMY	WIW	99990	NAVAJO TRIBE J-7 (V-121)
				S400	E260	21	NENW	43037164601	HRMS	WIW	99990	NAVAJO TRIBE J-4 (T-121)
				S400	E260	21	SWSE	43037111671	ISMY	WIW	99990	NAVAJO TRIBE J-24 (U-421)
				S400	E260	21	NESE	43037161941	ISMY	WIW	99990	NAVAJO TRIBE J-19 (V-321)
				S400	E260	22	NENW	4303716461	ISMY	PA	99998	NAVAJO TRIBE J-20 (T-122)
				S400	E260	27	NENW	4303716232	PRDX	PA	99998	EAST ANETH 27-B1 (T-127)
				S400	E260	27	NESW	43037162331	PRDX	WIW	99990	EAST ANETH 27-B3 (T-327)
				S400	E260	28	NENE	4303716466	PRDX	PA	99998	EAST ANETH 28-D1 (V-128)
		365	GREATER ANETH	S400	E230	12	NWSE	4303730112	DSCR	WIW	99990	ANETH UNIT C-312
				S400	E230	12	NESW	4303716272	DSCR	WIW	99990	BURTON 23-12 (ANETH B312)
				S400	E230	12	NWNE	4303716274	DSCR	WIW	99990	BURTON 31-12 (ANETH C-112
				S400	E230	13	NWSW	4303730299	DSCR	WIW	99990	ANETH UNIT A-313
				S400	E230	13	SENW	43037158251	IS-DC	WIW	99990	BURTON 22-13 (ANETH B-213
				S400	E230	13	NWNW	4303730119	DSCR	WIW	99990	ANETH UNIT A-113
				S400	E230	13	NWNE	43037158271	IS-DC	WIW	99990	BURTON 31-13 (ANETH C-113
				S400	E230	13	NWSE	43037158281	PRDX	WIW	99990	BURTON 33-13 (ANETH C-313
				S400	E230	13	SESW	4303730297	DSCR	WIW	99990	ANETH B-413
				S400	E230	13	SESE	43037162791	PRDX	WIW	99990	BURTON 44-13 (ANETH D-413

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
MAY 28 1991
DIVISION OF
OIL GAS & MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached Listing

Field or Unit name: _____ API no. _____

Well location: QQ ____ section ___ township ____ range ____ county _____

Effective Date of Transfer: 6-1-91

CURRENT OPERATOR

Transfer approved by:

Name R. S. Lane Company Texaco Inc.

Signature R S Lane Address P. O. Box 3109

Title Attorney-in-Fact Midland, TX 79702

Date _____ Phone (915) 688-4100

Comments: Correspondence Address: Texaco Inc.
3300 North Butler
Farmington, NM 87401
(505) 325-4397

NEW OPERATOR

Transfer approved by:

Name R. S. Lane Company Texaco Exploration and Production Inc.

Signature R S Lane Address P. O. Box 3109

Title Attorney-in-Fact Midland, TX 79702

Date _____ Phone (915) 688-4100

Comments: Correspondence Address: Texaco Exploration and Production Inc.
3300 North Butler
Farmington, NM 87401
(505) 325-4397

(State use only)
Transfer approved by [signature] Title UIC MANAGER

Approval Date 6-26-91

(3/89)

Texaco Exploration and Production Inc
Midland Producing Division

P O Box 3109
Midland TX 79702-3109

RECEIVED
MAY 28 1991
DIVISION OF
OIL GAS & MINING

May 22, 1991

Division of Oil, Gas, and Mining
Attn: Ms. Lisha Romero
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Gentlemen:

This is to advise that as a part of a reorganization of Texaco Inc., a Delaware corporation, the name of Texaco Producing Inc., a Delaware corporation and wholly owned subsidiary of Texaco Inc., has been changed to Texaco Exploration and Production Inc. Further, Texaco Exploration and Production Inc. will succeed to the rights, titles, interests and obligations of Texaco Inc.

This means that Texaco Exploration and Production Inc. will be the operator for all the oil and gas properties that were operated by Texaco Inc. and Texaco Producing Inc. We plan to abbreviate the name as Texaco E & P Inc. for purposes of submitting production reports, etc., via computer, and we suggest that for consistency you use that abbreviation also.

We have enclosed a Sundry Notice with a list of the wells which Texaco operates in Utah. Also attached is UIC Form 5 for transfer of injection authority. Please note that Texaco has two Divisions which operate wells in Utah. One is located in Denver, Colorado, and the other is in Midland, Texas. We have enclosed separate Sundry Notices and lists of wells for each Division. If you have questions concerning the Denver-operated wells, please call Roger Hadley at (303) 793-4833. If you have questions concerning the Midland-operated wells, please call Ken Miller at (915) 688-4834.

Please change any of your other records as necessary to reflect this change.

Yours very truly,

R S Lane

R. S. Lane
Assistant Division Manager

RKH/KMM-CC

Attachments

Form OGC-1b

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

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

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 ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR: Texaco Exploration and Production Inc.

3. ADDRESS OF OPERATOR: P.O. Box 46510, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH | 13. STATE

14. PERMIT NO.

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

RECEIVED MAY 0 8 1991 DIVISION OF OIL GAS & MINING

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other) Transfer of Plugging Bond			X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
(Other) Transfer of Owner/Operator			☐

(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.)*

Texaco Inc. has assigned all its ownership rights in the subject well. As of January 1, 19 91, Texaco Inc. is no longer the Operator of subject well. The New Operator Texaco Exploration and Production Inc. hereby accepts operating responsibility and liability under its good and sufficient bond or other security accepted by the Commission for proper plugging and surface restoration of the subject well.

Former Operator:

TEXACO INC.

Signed: [signature]
Attorney-In-Fact
for Texaco Inc.

Date: 3/1/91

New Operator:

Texaco Exploration and Production Inc.

Signed: [signature]

Title: Division Manager

Date: 3/1/91

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

SIGNED [signature] TITLE Division Manager DATE 3/1/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9

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

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other (specify)

9. Well Name and Number

2. Name of Operator
Texaco Exploration and Production Inc.

10. API Well Number

3. Address of Operator
3300 North Butler, Farmington, NM 87401

4. Telephone Number
(505) 325-4397

11. Field and Pool, or Wildcat

5. Location of Well
Footage :
QQ, Sec, T., R., M. : See Attached
County :
State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] Other Transfer of Plugging Bond

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] Other Change of Operator/Operator Name

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This submittal is for a change of operator (name change) for all of the attached wells. The new operator, Texaco Exploration and Production Inc., hereby accepts operating responsibility and liability under its good and sufficient bond or other security accepted by the Department for proper plugging and surface restoration of the attached wells. All contact personnel, office addresses and phone numbers will remain the same.

FORMER OPERATOR: TEXACO INC.

SIGNED: R S Lane
Attorney-in-Fact

DATE: _____

NEW OPERATOR: TEXACO EXPLORATION AND PRODUCTION INC.

SIGNED: R S Lane
Assistant Division Manager

DATE: _____

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

Name & Signature _____ Title Asst. Div. Manager Date _____

(State Use Only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LCR/GIL	✓
2- DTS/DTS	✓
3- VLC	✓
4- RJF	✓
5- RWM	✓
6- LCR	✓

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 XXX Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91)
(TEXACO EXPLORATION AND PRODUCTION INC.)

TO (new operator) TEXACO E & P INC.
(address) 3300 NORTH BUTLER
FARMINGTON, NM 87401
BRENT HELQUIST
phone (505) 325-4397
account no. N 5700 (6-5-91)

FROM (former operator) TEXACO INC.
(address) 3300 NORTH BUTLER
FARMINGTON, NM 87401
FRANK
phone (505) 325-4397
account no. N 0980

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

Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
(SEE ATTACHED)						

OPERATOR CHANGE DOCUMENTATION

Lcr 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (5-28-91)

N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).

Lcr 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: #114097.

Lcr 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.

Lcr 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (6-11-91)

Lcr 6. Cardex file has been updated for each well listed above.

Lcr 7. Well file labels have been updated for each well listed above. (will update when filing)

Lcr 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.

Lcr 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.

– OVER –

TOR CHANGE WORKSHEET (CONTINUED) Initia ch item when completed. Write N/A i tem is not applicable.

TY REVIEW

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).

2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #K0290791-4 80,000-Ins. Co. of N. America rec. 2-11-91.

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___. #m157448 80,000-Ins. Co. of N. America

E 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 _____ 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.

2. Copies of documents have been sent to State Lands for changes involving State leases. 6-27-91

MING

1. All attachments to this form have been microfilmed. Date: July 15 1991.

ING

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.

MENTS

910606 Blm/Farmington N.M. - Duane Spencer (505) 327-5344 will follow up & call back.

910607 Blm/Farmington - Approved 4-2-91 "Company Merger" Includes Aneth Unit and Ismay Flodine Unit.

910607 St. Lands approved 4-15-91 "Merger".

71/34-35

Utah Division of Oil, Gas, and Mining
Casing - Bradenhead Test

Operator: TEXACO E & P INC.
Field/Unit: GREATER ANETH

Well: B-213
Township: 40S Range: 23E Sect:13

API: 43-037-15825
Welltype: INJW Max Pressure: 2500

Lease type: FEDERAL
Surface Owner: BLM

Test Date: 10/16/91

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
Surface:	103/4	634	well was SI new flow line was being built.	
Intermediate:		0		
Production:	7	5695		
Other:		0		
Tubing:	2 3/8			
Packer:		5614		

Recommendations:

well would not pressure up. pumped 10 BBLS
Will recheck - possible pump problem. 10/16/91 8:00 AM.

Texaco will bring water in pressure test, record and forward to Division

ANETH UNIT B213

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTER
BUREAU OF LAND MANAGEMENT

APPROVED
No. 1004-0135
March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: SL 070968A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation: Aneth Unit
8. Well Name and No.: B213
9. API Well No.: 4303715825
10. Field and Pool, or Exploratory Area: Desert Creek
11. County or Parish, State: San Juan, Utah

1. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other Injection well
2. Name of Operator: Texaco Exp. and Prod Inc.
3. Address and Telephone No.: 3300 N. Butler, Farmington N.M. 87401 (505)325-4397
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 3300 FSL & 3300 FEL Section 13-T40S-R23E

RECEIVED
SEP 04 1992
DIVISION OF
OIL GAS & MINING

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☐ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☒ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

See attached procedure and wellbore diagrams for pertinent details. Tenative start date is Nov. 1, 1992

Accepted by the State of Utah Division of Oil, Gas and Mining
Date: 9-8-92
By: [signature]

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

Signed [signature] Title Area Manager Date 8/21/92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any: *Federal Approval of this Action is Necessary*

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

*See Instruction on Reverse Side

BLM - Farmington (5), UOGCC (3), Navajo Tribe (1), EPA, TAT JLB

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: SL 070968A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation: Aneth Unit
8. Well Name and No.: B213
9. API Well No.: 4303715825
10. Field and Pool, or Exploratory Area: Desert Creek
11. County or Parish, State: San Juan, Utah

1. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other Injection well
2. Name of Operator: Texaco Exp. and Prod Inc.
3. Address and Telephone No.: 3300 N. Butler, Farmington N.M. 87401 (505)325-4397
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 3300 FSL & 3300 FEL Section 13-T40S-R23E

RECEIVED SEP 04 1992 DIVISION OF OIL GAS & MINING

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☒ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

See attached procedure and wellbore diagrams for pertinent details. Tenative start date is Nov. 1, 1992

Accepted by the State of Utah Division of Oil, Gas and Mining
Date: 9-8-92
By: [illegible]

14. I hereby certify that the foregoing is true and correct
Signed [illegible] Title Area Manager Date 8/21/92

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any: *Federal Approval of this Action Is Necessary*

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

*See Instruction on Reverse Side

BLM - Farmington (5), UOGCC (3), Navajo Tribe (1), EPA, TAT

JLB

ANETH UNIT B213
Casing Repair Procedure

1. Notify the EPA 2 weeks before moving on location. Contact Larry Schlotterback to coordinate notifications.

2. MIRUPU. NUBOP's w/ 2 3/8" pipe rams and blind rams. Pick up 2 3/8" workstring w/ 7" packer. TIH to 1150'. Set packer and attempt to establish circulation through the Bradenhead. TOOH. If circulation CANNOT be established, then go to Step 5.

3. TIH w/ 7" cement retainer. Set retainer @ 1150'. RU cementers and circulate cement to surface (~60 bbls). Sting out of retainer and reverse out excess cement. TOOH.

4. TIH w/ bit and drill collars. Drill out retainer and cement. Pressure test casing to 1000 psi. TOOH. If the casing HOLDS, then go to Step 7. Otherwise, establish a rate and pressure into the leak.

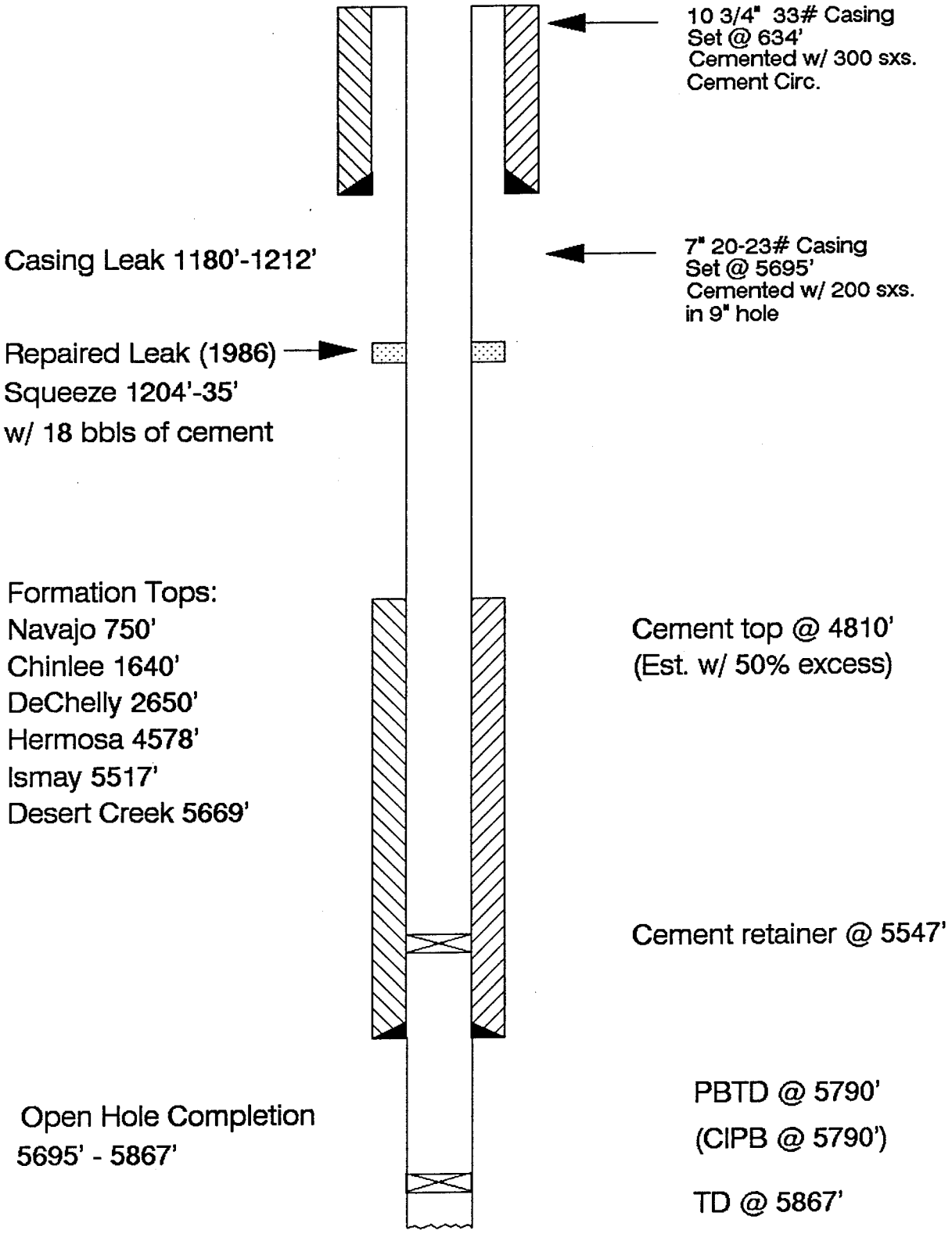
5. TIH open ended to 1250'. Circulate hole clean w/ fresh water. Spot 100 sxs of Class G cement w/ fluid loss agent and dispersant. Pull up to 700' and reverse out excess cement. Hesitate squeeze cement. Obtain a standing squeeze pressure of 750 psi. Do not displace more than 16 bbls of cement. SI well overnight with 750 psi on the casing.

6. TOOH. TIH w/ bit and drill collars. Drill out cement and pressure test casing to 1000 psi. If casing fails the MIT, then call the Farmington Area office for further instructions.

7. If the casing holds, then drill out cement retainer @ 5547' and clean out to PBTD of 5790'. TOOH. TIH w/ injection tubing and 7" injection packer. Set packer @ +/- 5550'. MIT the casing and return the well to injection service.

JLB

Aneth Unit B213



Form 3160-5
(June 1990)

U ED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: SL 070968A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation: Aneth Unit
8. Well Name and No.: B213
9. API Well No.: 4303715825
10. Field and Pool, or Exploratory Area: Desert Creek
11. County or Parish, State: San Juan, Utah

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection Well
2. Name of Operator
Texaco Exploration & Production Inc.
3. Address and Telephone No.
3300 N. Butler, Farmington N.M. 87401 (505)325-4397
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
3300' FSL & 3300' FEL
Sec. 13-T40S-R23E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☒ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☒ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Texaco E. & P. Inc. has performed the following work:
10/09/92. Notified Wayne Townsend of Farmington BLM and Gil Hunt of UOGCD.
10/12/92. MIRUSU. Established rate & pressure into leak at 1180'-1210'. Spotted 12 bbls of cement with additives. Reversed out excess cement. Displaced 8 bbls into leak. Tagged cement @ 1178'. Drilled out to 1300'. Est. rate & press. Spotted 30 bbls of cement. Reversed out excess cement. Hesitate squeeze to 1000 psi. Held. TIH with 3 stands. Reversed out excess. Hesitate squeezed to 100 psi. Held. Tagged cement @ 778'. Drilled out cement to 1234'. Tested to 1000 psi. Held. Cleaned out to PBTD(5790'). TIH with equipment. RDMOL.

RECEIVED
NOV 12 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Rachael Hunter/TAT Title Area Manager Date 11/06/92

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

*See Instruction on Reverse Side

BLM-Farmington(5), UOGCC(3), Navajo Tribe(1), EPA, TAT, DDU, MLK, MAG TRB

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: SL-070968-A

6. If Indian, Alottee or Tribe Name: NAVAJO TRIBE

7. If Unit or CA, Agreement Designation: ANETH UNIT

1. Type of Well: ☐ OIL WELL ☐ GAS WELL ☑ OTHER INJECTION WELL

8. Well Name and Number: ANETH UNIT B213

2. Name of Operator: TEXACO EXPLORATION & PRODUCTION, INC.

3. Address and Telephone No.: 3300 N. Butler Ave., Suite 100 Farmington NM 87401 325-4397

9. API Well No.: 4303715825

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

Unit Letter F : 3300 Feet From The SOUTH Line and 3300 Feet From The EAST Line Section 13 Township T40S Range R23E

10. Field and Pool, Exploratory Area: DESERT CREEK

11. County or Parish, State: SAN JUAN , UTAH

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☑ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Atlering Casing	☐ Conversion to Injection
	☑ OTHER: CLEAN OUT & ACIDIZE	☐ Dispose Water

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

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

***** THIS SUNDRY REPORT IS FOR UTAH SEVERANCE TAX CALCULATION INFORMATION PURPOSES ONLY *****

TEXACO E&P INC. HAS CLEANED OUT & ACIDIZED THE SUBJECT WELL

11-5-96 POOH W/ TBG & PKR
11-6-96 TIH W/ BIT, TAGGED FILL @ 5541', DRILLED OUT TO 5633'
11-7-96 CONT. CLEAN OUT TO 5790'
11-8-96 TIH W/ TBG & PKR, WAIT ON ACID
11-9-96 PUMP 1500 GAL 28% HCL, TOOH
11-10-96 SHUT DOWN
11-11-96 RIH W/ PKR ON CMT LINED TBG, SET PKR, TESTED TO 1000 PSI, HELD OK, RDMO

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

SIGNATURE Rached Hindi TITLE Senior Engineer DATE 12/1/97

TYPE OR PRINT NAME Rached Hindi

(This space for Federal or State office use)

APPROVED
CONDITIONS OF APPROVAL, IF ANY: ____ TITLE ____ DATE ____

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

WO tax credit 6/98

Chevron

Chevron U.S.A. Production Company
Mid-Continent Business Unit
P.O. Box 36366
Houston, TX 77236
Phone 713 754 2000

April 9, 2002

RECEIVED
APR 12 2002
DIVISION OF
OIL, GAS AND MINING

Mr. John Baza,
Associate Director of Oil and Gas
Utah Department of Natural Resources
Division of Oil, Gas & Mining
1594 W. North Temple St., Suite 1210
Salt Lake City, UT 84114-5801

Dear Mr. Baza:

As you may recall from our meeting last year, we planned to combine the assets of Chevron U.S.A. Inc. ("CUSA"), by merger, and Texaco Exploration and Production Inc. ("TEPI"), by assignment, into a new entity which we referred to as "Newco LP". Along the way, additional information came to light and it was decided that this proposed corporate restructure would not be preferable. Therefore, CUSA and TEPI have continued to operate as separate entities.

We are now planning a simpler restructuring process where TEPI will assign most of its assets/operatorship to CUSA effective May 1, 2002. We plan to use the existing CUSA bonds/letters of credit, operator identification numbers, etc., for the TEPI assets that will be assigned.

A task force of Land, Regulatory and Environmental Compliance personnel are finishing the work that was begun last year to assign TEPI's assets—using the same forms and procedures as before. We have "new faces" in this task force due to reassignments and departures. In some cases, it may be worthwhile to visit you and your staff in person where new people are involved or if we need to review/clarify your forms and procedures. Otherwise, we will endeavor to complete the work to assign TEPI's assets/operatorship to CUSA and deliver the requisite materials to you in a timely manner.

During discussions last year, our focus was on Land, Regulatory and Environmental matters. The Finance organization also desires to join in this effort. For State Tax, Royalty and Regulatory reporting purposes (applicable to production from May 2002 through December 2002), we intend to generate two reports and two payments.

However, the reporting company name and identification number will be CUSA's. Beginning with January 2003 production and thereafter, we will issue only one CUSA report and payment. We trust this plan meets with your approval. Any questions or comments should be directed to Rick Dunlavy (telephone 713/752-7411, rickdunlavy@chevrontexaco.com).

We appreciate the cooperation and guidance you provided us in the past, and we look forward to bringing these efforts to a conclusion.

Respectfully submitted,

Don R. Sellars

Don R. Sellars
Sr. Environmental Specialist

THE NAVAJO NATION

MINERALS DEPARTMENT
Post Office Box 1910
Window Rock, Arizona 86515
Phone: (928) 871-6587 • Fax: (928) 871-7095

KELSEY A. BEGAYE
PRESIDENT

TAYLOR McKENZIE, M.D.
VICE PRESIDENT

October 11, 2002

Mr. Don Sellars
Regulatory Specialist
ChevronTexaco
11111 S. Wilcrest
Houston, Texas 77099

Subject: Navajo Nation Assignment of Oil & Gas Lease

Dear Mr. Sellars:

Attached are fourteen (14) approved Navajo Nation Assignment of Oil and Gas Lease applications for assignment of interest from Texaco Exploration & Production, Inc. to Chevron U.S.A., Inc. (Chevron) for the following leases:

1) I-149-IND-8834
2) I-149-IND-8835
3) I-149-IND-8836
4) I-149-IND-8838
5) I-149-IND-8839-A
6) I-149-IND-8839
7) 14-20-603-2057
8) 14-20-603-2059
9) 14-20-603-4030-A
10) 14-20-603-4032
11) 14-20-603-4035
12) 14-20-603-4037
13) 14-20-603-5043-A
14) 14-20-603-5446

If you have any questions, please call me or Mr. Brad Nesemeier at (928) 871-6587.

Sincerely,

Akhtar Zaman, Director
Minerals Department

Attachments
AZ/GLB/eab

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number Orangeville & Huntington, Emery County, Utah (See Attached Well List)	API Number
Location of Well Footage : See attached well locations County : Emery QQ, Section, Township, Range: State : UTAH	Field or Unit Name See Attached Well List Lease Designation and Number See Attached Well List

EFFECTIVE DATE OF TRANSFER: 5/1/2002

CURRENT OPERATOR

Company: Texaco Exploration and Production Inc
Address: 3300 North Butler, Suite 100
city Farmington state NM zip 87401
Phone: (505) 325-4397
Comments:

Name: Allen S. Robinson
Signature: Allen S. Robinson
Title: Attorney-In-Fact
Date: April 30, 2002

NEW OPERATOR

Company: Chevron U.S.A. Inc.
Address: P.O. Box 36366
city Houston state TX zip 79702
Phone: (915) 687-2000
Comments:

Name: J. Scott Purdy
Signature: J. Scott Purdy
Title: Attorney-In-Fact
Date: May 1, 2002

(This space for State use only)

Transfer approved by: G. Hunt
Title: Tech Services Manager

Approval Date: 10/21/02

Comments:

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(5/2000)

FORM 9

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

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: See Attached List of Wells

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation & State of Utah

7. UNIT or CA AGREEMENT NAME: Aneth Unit

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Operator Name Change

8. WELL NAME and NUMBER: See Attached List of Wells

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

9. API NUMBER:

3. ADDRESS OF OPERATOR: P.O. Box 1150 CITY Midland STATE TX ZIP 79702 PHONE NUMBER: (915) 687-2000

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached List of Well Locations

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

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

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

Effective May 1, 2002, Chevron U.S.A. Inc. is the new operator of the attached list of subject wells and leases that were previously operated by Texaco Exploration and Production Inc. The Aneth Unit and subject wells are located on both Navajo Nation and State of Utah lands, 4 1/2 miles North of Montezuma Creek, San Juan County, Utah. These wells will be protected by the following surety bonds.

STATE OF UTAH Bond #: 103521627-0016 in the amount of $80,000. (This replaces United Pacific Insurance Company bond number U89-75-80-0059. We respectfully request this bond be released and returned.)

BLM Nationwide Bond #: U89-75-81-0034 in the amount of $300,000.

BIA Nationwide Bond #: U89-75-81-0026 in the amount of $150,000.

KEY CONTACTS:
Roger Atcitty - Operations Supervisor - 435-651-3277 x103
Ron Wackowski - Operations Manager - 970-675-3714

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DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) Allen S. Robinson TITLE Attorney-In-Fact

SIGNATURE Allen S. Robinson DATE April 30, 2002

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

Chevron U.S.A. Inc.
Permian Business Unit
Aneth Operations
San Juan County, Utah

Name / Operatorship Change
Texaco Exploration and Production Inc.
to
Chevron U.S.A. Inc.
Injection Wells

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main
N5700	11	400S	230E	4303716034	MESA 1 (ANETH C411)	1	I	WI
N5700	12	400S	230E	4303716272	BURTON 23-12 (ANETH B312)	1	A	WI
N5700	12	400S	230E	4303716274	BURTON 31-12 (ANETH C-112)	1	I	WI
N5700	12	400S	230E	4303716278	BURTON 42-12 (ANETH D212)	1	A	WI
N5700	12	400S	230E	4303730049	ANETH UNIT D-412	1	A	WI
N5700	12	400S	230E	4303730112	ANETH UNIT C-312	1	A	WI
N5700	13	400S	230E	4303715825	BURTON 22-13 (ANETH B-213)	1	A	WI
N5700	13	400S	230E	4303715827	BURTON 31-13 (ANETH C-113)	1	A	WI
N5700	13	400S	230E	4303715828	BURTON 33-13 (ANETH C-313)	1	A	WI
N5700	13	400S	230E	4303715830	BURTON 42-13 (D213)	1	A	WI
N5700	13	400S	230E	4303716279	BURTON 44-13 (ANETH D-413)	1	A	WI
N5700	13	400S	230E	4303730119	ANETH UNIT A-113	1	A	WI
N5700	13	400S	230E	4303730174	ANETH UNIT D113	1	A	WI
N5700	13	400S	230E	4303730297	ANETH B-413	1	A	WI
N5700	13	400S	230E	4303730299	ANETH UNIT A-313	1	A	WI
N5700	14	400S	230E	4303716032	ARROWHEAD 6 (ANETH B-114)	1	A	WI
N5700	14	400S	230E	4303716033	ARROWHEAD 3 (ANETH C-214)	1	A	WI
N5700	14	400S	230E	4303716035	ARROWHEAD 5 (ANETH C-414)	1	A	WI
N5700	14	400S	230E	4303716038	ARROWHEAD 4 (ANETH D-314)	1	A	WI
N5700	14	400S	230E	4303716273	ARROWHEAD 2 (ANETH B-314)	1	A	WI
N5700	14	400S	230E	4303716277	ARROWHEAD 1 (ANETH D-114)	1	A	WI
N5700	23	400S	230E	4303716271	A W RICE 2 (ANETH B-123)	1	A	WI
N5700	23	400S	230E	4303716276	A W RICE 3 (ANETH C-223)	1	A	WI
N5700	24	400S	230E	4303716270	FEDERAL A-1 (ANETH A-124)	1	A	WI
N5700	24	400S	230E	4303716275	FEDERAL 1 (ANETH C-124)	1	A	WI
N5700	07	400S	240E	4303715412	W ISMY FED 3 (ANETH E307)	1	A	WI
N5700	07	400S	240E	4303715415	W ISMAY FED 2 (ANETH F-407)	1	A	WI
N5700	07	400S	240E	4303716100	NAVAJO FED 6-1 (ANETH G-307)	1	A	WI
N5700	07	400S	240E	4303716118	NAVAJO FED 7-1 (ANETH H-207)	1	I	WI
N5700	07	400S	240E	4303716283	GULF-AZTEC FED 7 (ANETH E-207)	1	A	WI
N5700	07	400S	240E	4303716322	NAVAJO TRIBE FED 5-1 (ANETH H-407)	2	A	WI

Chevron U.S.A. Inc.
Permian Business Unit
Aneth Operations
San Juan County, Utah

Name / Operatorship Change
Texaco Exploration and Production Inc.
to
Chevron U.S.A. Inc.
Injection Wells

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main
N5700	07	400S	240E	4303730175	ANETH U E407	1	A	WI
N5700	08	400S	240E	4303716060	NAVAJO TRIBE E-15 (ANETH E-308)	2	A	WI
N5700	08	400S	240E	4303716076	NAVAJO FED 8-1 (ANETH F-208)	2	A	WI
N5700	08	400S	240E	4303716101	NAVAJO TRIBE L-6 (ANETH G-308)	2	A	WI
N5700	08	400S	240E	4303716119	NAVAJO TRIBE E-16 (ANETH H-208)	2	A	WI
N5700	08	400S	240E	4303716284	NAVAJO FED 9-1 (ANETH E-208)	2	A	WI
N5700	08	400S	240E	4303716298	NAVAJO TRIBE E-13 (ANETH F-408)	2	A	WI
N5700	08	400S	240E	4303716323	NAVAJO TRIBE L-3 (ANETH H-408)	2	A	WI
N5700	09	400S	240E	4303716061	NAVAJO TRIBE E-14 (ANETH E-309)	2	A	WI
N5700	09	400S	240E	4303716082	NAVAJO TRIBE E-4 (ANETH F-409)	2	A	WI
N5700	10	400S	240E	4303716125	NAVAJO TRIBE E-7 (ANETH H-410)	2	I	WI
N5700	11	400S	240E	4303715940	ANETH UNIT E-411	2	A	WI
N5700	11	400S	240E	4303715944	NAVAJO A-10/34-11 (ANETH G-411)	2	A	WI
N5700	11	400S	240E	4303716295	NAVAJO A-12/23-11 (ANETH F-311)	2	A	WI
N5700	13	400S	240E	4303715938	NAV TRIBE A-13 (ANETH E-213)	2	A	WI
N5700	13	400S	240E	4303715941	NAVAJO A-4 (ANETH E-413)	2	A	WI
N5700	14	400S	240E	4303715939	NAVAJO A-6 (ANETH E-214)	2	A	WI
N5700	14	400S	240E	4303715942	ANETH F-314	2	A	WI
N5700	14	400S	240E	4303715943	NAVAJO A-7/32-14 (ANETH G-214)	2	A	WI
N5700	14	400S	240E	4303715945	NAVAJO A-1/34-14 (ANETH G-414)	2	A	WI
N5700	14	400S	240E	4303716310	NAVAJO A-9/41-14 (ANETH H-114)	2	A	WI
N5700	14	400S	240E	4303716421	ANETH UNIT E414	2	A	WI
N5700	14	400S	240E	4303716422	ANETH UNIT F-114	2	A	WI
N5700	14	400S	240E	4303731381	ANETH UNIT H314X	2	I	WI
N5700	15	400S	240E	4303716116	ANETH G-415	2	A	WI
N5700	15	400S	240E	4303716296	NAVAJO TRIBAL E-8 (ANETH F-315)	2	A	WI
N5700	15	400S	240E	4303730213	ANETH E-315	2	A	WI
N5700	15	400S	240E	4303730312	ANETH H-315	2	A	WI
N5700	16	400S	240E	4303715832	STATE THREE 11-16 (ANETH E-116)	3	A	WI
N5700	16	400S	240E	4303716285	ST THREE 21-16 (ANETH F-116)	3	A	WI
N5700	16	400S	240E	4303716297	ST THREE 23-16 (ANETH F-316)	3	A	WI

Chevron U.S.A. Inc.
Permian Business Unit
Aneth Operations
San Juan County, Utah

Name / Operatorship Change
Texaco Exploration and Production Inc.
to
Chevron U.S.A. Inc.
Injection Wells

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main
N5700	16	400S	240E	4303716312	STATE THREE 42-16 (ANETH H-216)	3	A	WI
N5700	16	400S	240E	4303720230	ANETH H-416	3	A	WI
N5700	16	400S	240E	4303730094	ANETH E-316	3	A	WI
N5700	16	400S	240E	4303730107	ANETH G-316	3	A	WI
N5700	16	400S	240E	4303730333	ANETH F-416	3	A	WI
N5700	16	400S	240E	4303730344	ANETH G-116	3	A	WI
N5700	17	400S	240E	4303716049	ANETH UNIT E-117	2	A	WI
N5700	17	400S	240E	4303716062	NAVAJO TRIBAL G-7 (ANETH E317)	2	A	WI
N5700	17	400S	240E	4303716089	NAVAJO TRIBAL G-3 (ANETH G-117)	2	A	WI
N5700	17	400S	240E	4303716103	NAVAJO TRIBAL 1-X-G (ANETH G-317)	2	A	WI
N5700	17	400S	240E	4303716286	NAVAJO TRIBAL G-8 (ANETH F-217)	2	A	WI
N5700	17	400S	240E	4303716299	NAVAJO TRIBAL G-6 (ANETH F-417)	2	A	WI
N5700	17	400S	240E	4303716313	NAV TRIBAL L-4 (ANETH H-217)	2	A	WI
N5700	17	400S	240E	4303716326	NAVAJO TRIBAL L-1 (ANETH H-417)	2	A	WI
N5700	18	400S	240E	4303715083	NAVAJO TRIBAL FED U 3	2	A	WI
N5700	18	400S	240E	4303715413	ANETH U E-118 (W ISMY FED 1)	1	A	WI
N5700	18	400S	240E	4303716063	NAVAJO TRIBAL 4 (ANETH E-318)	1	A	WI
N5700	18	400S	240E	4303716090	NAVAJO TRIBE 2 (ANETH G-118)	2	A	WI
N5700	18	400S	240E	4303716104	NAVAJO TRIBE G-4 (ANETH G-318)	2	A	WI
N5700	18	400S	240E	4303716120	NAVAJO TRIBAL G-5 (ANETH H-218)	2	A	WI
N5700	18	400S	240E	4303716287	NAVAJO FED U 1 (ANETH F-218)	2	A	WI
N5700	18	400S	240E	4303716327	NAVAJO TRIBAL G-2 (ANETH H-418)	2	A	WI
N5700	18	400S	240E	4303730137	ANETH U E218	1	A	WI
N5700	18	400S	240E	4303730155	ANETH U F118	1	A	WI
N5700	19	400S	240E	4303716077	NAVAJO TRIBE D-26 (ANETH F-219)	2	A	WI
N5700	19	400S	240E	4303716091	NAVAJO TRIBE D-16 (ANETH G-119)	2	A	WI
N5700	19	400S	240E	4303716121	NAVAJO TRIBE D-3 (ANETH H-219)	2	A	WI
N5700	19	400S	240E	4303716280	NAVAJO FED U B-1 (ANETH E-119)	2	A	WI
N5700	19	400S	240E	4303716309	NAVAJO TRIBE D-25 (ANETH G-319)	2	A	WI
N5700	19	400S	240E	4303716328	NAVAJO TRIBE D-27 (ANETH H-419)	2	A	WI
N5700	20	400S	240E	4303716050	NAVAJO TRIBE D-10 (ANETH E-120)	2	A	WI

Chevron U.S.A. Inc.
Permian Business Unit
Aneth Operations
San Juan County, Utah

Name / Operatorship Change
Texaco Exploration and Production Inc.
to
Chevron U.S.A. Inc.
Injection Wells

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main
N5700	20	400S	240E	4303716065	NAVAJO TRIBE D-17 (ANETH E-320)	2	A	WI
N5700	20	400S	240E	4303716092	NAVAJO TRIBE L-5 (ANETH G-120)	2	A	WI
N5700	20	400S	240E	4303716105	NAVAJO TRIBE D-12 (ANETH G-320)	2	A	WI
N5700	20	400S	240E	4303716288	NAVAJO TRIBE D-8 (ANETH F-220)	2	A	WI
N5700	20	400S	240E	4303716300	NAVAJO TRIBE D-20 (ANETH F-420)	2	A	WI
N5700	20	400S	240E	4303716314	NAVAJO TRIBE L-2 (ANETH H-220)	2	A	WI
N5700	20	400S	240E	4303716329	NAVAJO TRIBE D-13 (ANETH H-420)	2	A	WI
N5700	21	400S	240E	4303716051	NAVAJO TRIBE D-4 (ANETH E-121)	2	A	WI
N5700	21	400S	240E	4303716066	NAVAJO TRIBE D-14 (ANETH E-321)	2	A	WI
N5700	21	400S	240E	4303716078	NAVAJO TRIBE D-6 (ANETH F-221)	2	A	WI
N5700	21	400S	240E	4303716084	NAVAJO TRIBE D-21 (ANETH F-421)	2	A	WI
N5700	21	400S	240E	4303716122	NAVAJO TRIBE D-7 (ANETH H-221)	2	A	WI
N5700	21	400S	240E	4303716330	NAVAJO TRIBE D-24 (ANETH H-421)	2	A	WI
N5700	21	400S	240E	4303730095	ANETH G-321X	2	A	WI
N5700	21	400S	240E	4303730335	ANETH G-121X	2	A	WI
N5700	22	400S	240E	4303716067	NAVAJO TRIBE D-19 (ANETH E-322)	2	A	WI
N5700	22	400S	240E	4303716085	NAVAJO TRIBE D-23 (ANETH F-422)	2	A	WI
N5700	22	400S	240E	4303716117	NAVAJO TRIBE D-2 (ANETH H-122)	2	A	WI
N5700	22	400S	240E	4303716127	NAVAJO TRIBE D-22 (ANETH H-422)	2	I	WI
N5700	22	400S	240E	4303720231	ANETH G-322X	2	A	WI
N5700	22	400S	240E	4303730215	ANETH E-122	2	A	WI
N5700	22	400S	240E	4303730242	ANETH H-222	2	A	WI
N5700	22	400S	240E	4303730373	ANETH F-222	2	A	WI
N5700	22	400S	240E	4303730425	ANETH G-122	2	A	WI
N5700	23	400S	240E	4303716068	NAVAJO TRIBE C-12 (ANETH E-323)	2	A	WI
N5700	23	400S	240E	4303716079	NAVAJO TRIBE C-7 (ANETH F-223)	2	A	WI
N5700	23	400S	240E	4303716086	NAVAJO TRIBE C-17 (ANETH F-423)	2	A	WI
N5700	23	400S	240E	4303716123	NAVAJO TRIBE C-8 (ANETH H-223)	2	A	WI
N5700	23	400S	240E	4303716128	NAVAJO TRIBE C-3 (ANETH H-423)	2	A	WI
N5700	23	400S	240E	4303716306	NAVAJO TRIBE C-1 (ANETH G-123)	2	A	WI
N5700	23	400S	240E	4303730235	ANETH F-123	2	A	WI

Chevron U.S.A. Inc.
Permian Business Unit
Aneth Operations
San Juan County, Utah

Name / Operatorship Change
Texaco Exploration and Production Inc.
to
Chevron U.S.A. Inc.
Injection Wells

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main
N5700	24	400S	240E	4303716069	NAVAJO TRIBE C-10 (ANETH E-324)	2	A	WI
N5700	24	400S	240E	4303716087	NAVAJO TRIBE C-13 (ANETH F-424)	2	A	WI
N5700	24	400S	240E	4303716111	NAVAJO TRIBE C-15 (ANETH G-324)	2	A	WI
N5700	24	400S	240E	4303716289	NAVAJO TRIBE C-16 (ANETH F-224)	2	A	WI
N5700	24	400S	240E	4303716331	NAVAJO TRIBE C-28 (ANETH H-424)	2	A	WI
N5700	25	400S	240E	4303716070	NAVAJO TRIBE C-21 (ANETH E-325)	2	A	WI
N5700	25	400S	240E	4303716080	NAVAJO TRIBE C-20 (F225)	2	A	WI
N5700	25	400S	240E	4303716095	ANETH UNIT G125	2	A	WI
N5700	25	400S	240E	4303716124	NAVAJO TRIBE C-11 (ANETH H-225)	2	A	WI
N5700	25	400S	240E	4303716129	NAVAJO TRIBE C-24 (ANETH H-425)	2	A	WI
N5700	25	400S	240E	4303716301	NAVAJO TRIBE C-32 (ANETH F-425)	2	A	WI
N5700	26	400S	240E	4303716054	NAVAJO TRIBE C-29 (ANETH E-126)	2	A	WI
N5700	26	400S	240E	4303716071	NAVAJO TRIBE C-30 (ANETH E-326)	2	A	WI
N5700	26	400S	240E	4303716113	NAVAJO TRIBE C-27 (ANETH G-326)	2	A	WI
N5700	26	400S	240E	4303716290	NAVAJO TRIBE C-23 (ANETH F-226)	2	A	WI
N5700	26	400S	240E	4303716302	NAVAJO TRIBE C-4 (ANETH F-426)	2	A	WI
N5700	26	400S	240E	4303716316	NAVAJO TRIBE C-19 (ANETH H-226)	2	A	WI
N5700	26	400S	240E	4303716332	NAVAJO TRIBE C-31 (ANETH H-426)	2	A	WI
N5700	26	400S	240E	4303730372	ANETH G-126X	2	A	WI
N5700	27	400S	240E	4303716223	ANETH 27-B2 (ANETH F-227)	2	I	WI
N5700	27	400S	240E	4303716307	ANETH 27-C-1 (ANETH G-127)	2	A	WI
N5700	27	400S	240E	4303716317	ANETH 27-D2 (ANETH H-227)	2	A	WI
N5700	27	400S	240E	4303716333	ANETH 27-D-4 (ANETH H-427)	2	A	WI
N5700	27	400S	240E	4303716782	ANETH 27-A-1 (ANETH E-127)	2	A	WI
N5700	28	400S	240E	4303716222	ANETH 28-A-1 (ANETH E-128)	2	A	WI
N5700	28	400S	240E	4303716224	ANETH 28-C-1 (ANETH G-128)	2	A	WI
N5700	28	400S	240E	4303716228	ANETH H-228	2	A	WI
N5700	29	400S	240E	4303716055	NAVAJO TRIBE S-2 (ANETH E-129)	2	A	WI
N5700	29	400S	240E	4303716097	NAVAJO TRIBE S-1 (ANETH G-129)	2	A	WI
N5700	29	400S	240E	4303716292	NAVAJO TRIBE S-4 (ANETH F-229)	2	I	WI
N5700	29	400S	240E	4303716318	NAVAJO TRIBE S-3 (ANETH H-229)	2	A	WI

Chevron U.S.A. Inc.
Permian Business Unit
Aneth Operations
San Juan County, Utah

Name / Operatorship Change
Texaco Exploration and Production Inc.
to
Chevron U.S.A. Inc.
Injection Wells

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main
N5700	34	400S	240E	4303716303	ANETH 34-B-4 (ANETH F-434)	2	A	WI
N5700	34	400S	240E	4303716319	ANETH 34-D2 (ANETH H-234)	2	I	WI
N5700	35	400S	240E	4303716293	NAVAJO TRIBE Q-5 (ANETH F-235)	2	A	WI
N5700	35	400S	240E	4303716304	NAVAJO TRIBE Q-8 (ANETH F-435)	2	A	WI
N5700	35	400S	240E	4303716320	NAVAJO TRIBE Q-4 (ANETH H-235)	2	A	WI
N5700	36	400S	240E	4303715485	NAVAJO 4 (ANETH E-136)	2	A	WI
N5700	36	400S	240E	4303715486	NAV TRB 2-A (G136)	2	A	WI
N5700	36	400S	240E	4303715487	NAVAJO 1 (ANETH H-236)	2	A	WI
N5700	36	400S	240E	4303716294	NAVAJO 3 (ANETH F-236)	2	A	WI
N5700	19	400S	250E	4303716140	ANETH UNIT L-419	2	A	WI
N5700	29	400S	250E	4303716131	NAVAJO TRIBE F-8 (ANETH J-129)	2	A	WI
N5700	30	400S	250E	4303716132	NAVAJO TRIBE F-9 (ANETH J-130)	2	A	WI
N5700	30	400S	250E	4303716134	NAVAJO TRIBE F-5 (ANETH J-330)	2	A	WI
N5700	30	400S	250E	4303716135	NAVAJO TRIBE F-2 (ANETH K-230)	2	A	WI
N5700	30	400S	250E	4303716137	NAVAJO TRIBE F-7 (ANETH K-430)	2	A	WI
N5700	30	400S	250E	4303716139	NAVAJO TRIBE F-6 (ANETH L-330)	2	A	WI
N5700	30	400S	250E	4303716141	NAVAJO TRIBE F-10 (ANETH M-230)	2	A	WI
N5700	30	400S	250E	4303716337	NAVAJO TRIBE F-11 (ANETH M-430)	2	A	WI
N5700	31	400S	250E	4303715946	NAVAJO TRIBE C11-31 (J131)	2	A	WI
N5700	31	400S	250E	4303716335	NAVAJO TRIBE C-22-31 (ANETH K-231)	2	A	WI

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent

Operator Name Change — X — **Merger**

The operator of the well(s) listed below has changed, effective: **05-01-2002**

FROM: (Old Operator):	**TO:** (New Operator):
TEXACO EXPLORATION & PRODUCTION INC	CHEVRON USA INC
Address: 3300 NORTH BUTLER, STE 100	Address: P O BOX 36366
FARMINGTON, NM 87401	HOUSTON,TX 79702
Phone: 1-(505)-325-4397	Phone: 1-(915)-687-2000
Account No. N5700	Account No. N0210

CA No. **Unit:** **ANETH**

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MESA 1 (ANETH C411)	11-40S-23E	43-037-16034	99990	FEDERAL	WIW	I
BURTON 23-12 (ANETH B312)	12-40S-23E	43-037-16272	99990	FEDERAL	WIW	A
BURTON 31-12 (ANETH C-112)	12-40S-23E	43-037-16274	99990	FEDERAL	WIW	I
BURTON 42-12 (ANETH D212)	12-40S-23E	43-037-16278	99990	FEDERAL	WIW	A
ANETH UNIT D-412	12-40S-23E	43-037-30049	99990	FEDERAL	WIW	A
ANETH UNIT C-312	12-40S-23E	43-037-30112	99990	FEDERAL	WIW	A
BURTON 22-13 (ANETH B-213)	13-40S-23E	43-037-15825	99990	FEDERAL	WIW	A
BURTON 31-13 (ANETH C-113)	13-40S-23E	43-037-15827	99990	FEDERAL	WIW	A
BURTON 33-13 (ANETH C-313)	13-40S-23E	43-037-15828	99990	FEDERAL	WIW	A
BURTON 42-13 (ANETH D213)	13-40S-23E	43-037-15830	7000	FEDERAL	WIW	A
BURTON 44-13 (ANETH D-413)	13-40S-23E	43-037-16279	99990	FEDERAL	WIW	A
ANETH UNIT A-113	13-40S-23E	43-037-30119	99990	FEDERAL	WIW	A
ANETH UNIT D113	13-40S-23E	43-037-30174	7000	FEDERAL	WIW	A
ANETH B-413	13-40S-23E	43-037-30297	99990	FEDERAL	WIW	A
ANETH UNIT A-313	13-40S-23E	43-037-30299	99990	FEDERAL	WIW	A
ARROWHEAD 6 (ANETH B-114)	14-40S-23E	43-037-16032	99990	FEDERAL	WIW	A
ARROWHEAD 3 (ANETH C-214)	14-40S-23E	43-037-16033	99990	FEDERAL	WIW	A
ARROWHEAD 5 (ANETH C-414)	14-40S-23E	43-037-16035	99990	FEDERAL	WIW	A
ARROWHEAD 4 (ANETH D-314)	14-40S-23E	43-037-16038	99990	FEDERAL	WIW	A
ARROWHEAD 2 (ANETH B-314)	14-40S-23E	43-037-16273	99990	FEDERAL	WIW	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-2-10) Sundry or legal documentation was received from the **FORMER** operator on: 05/06/2002
2. (R649-2-10) Sundry or legal documentation was received from the **NEW** operator on: 04/12/2002
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 10/16/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 564408-0143
5. If **NO**, the operator was contacted contacted on: N/A

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **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: 10/11/2002

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 10/11/2002

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **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: 10/21/2002

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 11/13/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 11/13/2002
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: 8975810026

INDIAN WELL(S) BOND VERIFICATION:

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

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: Chevron USA Inc merged with Texaco Exploration & Production Inc to form ChevronTexaco Inc although all the Utah operations will be operated by Chevron USA Inc.

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: See Attachment

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

7. UNIT or CA AGREEMENT NAME: Aneth Unit

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER Injection wells

8. WELL NAME and NUMBER: See Attachment

2. NAME OF OPERATOR: Resolute Natural Resources Company N2700

9. API NUMBER: See Attach

3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 534-4600

10. FIELD AND POOL, OR WILDCAT: Desert Creek

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attachment COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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

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

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

As of December 1, 2004, Chevron U.S.A. Inc. resigned as Operator of the Aneth Unit. The successor operator is Resolute Natural Resources Company.

NAME (PLEASE PRINT) Janet Pasque TITLE Vice President

SIGNATURE Janet Pasque DATE 11/30/04

(This space for State use only)

APPROVED 12/29/2004
EL
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

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: See attached exhibit.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

7. UNIT or CA AGREEMENT NAME: Aneth Unit

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER See attached exhibit.

8. WELL NAME and NUMBER: See attached exhibit.

2. NAME OF OPERATOR: Resolute Natural Resources Company

9. API NUMBER: See attached exhibit.

3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 534-4600

10. FIELD AND POOL, OR WILDCAT: Aneth

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

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

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

As of December 1, 2004, Chevron U.S.A. Inc. resigned as operator of the Aneth Unit. Resolute Natural Resources Company has been elected the successor operator.

RECEIVED
DEC 22 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Chevron U.S.A. Inc. N0210 TITLE A. E. Wacker, Attorney-in-Fact

SIGNATURE A. E. Wacker DATE 12/20/2004

(This space for State use only)

APPROVED 12/29/2004
ER
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 12/1/2004

CURRENT OPERATOR

N0210

Company: Chevron U.S.A. Inc.
Address: 1111 Bagby St.
city Houston state TX zip 77002
Phone: (713) 752-6000
Comments:

Name: A. E. Wacker
Signature: A. E. Wacker
Title: Attorney-in-Fact
Date: 12/20/2004

RECEIVED
DEC 22 2004
DIV. OF OIL, GAS & MINING

NEW OPERATOR

N2700

Company: Resolute Natural Resources Company
Address: 1675 Broadway, Suite 1950
city Denver state CO zip 80202
Phone: (303) 534-4600 xt
Comments:

Name: Janet Pappue xt
Signature: Janet Pappue
Title: Vice President
Date: 12/21/04

(This space for State use only)

Transfer approved by: [signature]
Title: UIC Geologist
Approval Date: 12-29-04

Comments: Transfer of Authority to Inject into the Aneth C214 and Aneth B14 contingent on this office receiving a corrective action plan for each well. ~~Both well~~ Aneth 214 failed 5 year test on 10/13/2004 Operator would not conduct scheduled 5 year test on Aneth B14. (considered a failure).

NUM	API_NUM	Q1	Q2	SEC	TWSP	RNG	LEGAL	Lease	Status 12/1/04	NNEPA Well List	USEPA Well List	UIC Program
H222	4303730242	SE	NW	22	40S	24E		I-149-IND-8836	Active	**H222**	**H222**	Navajo Nation
F418	4303715083	SE	SW	18	T40S	R24E	650' FSL/1825' FWL	I-149-IND-8835	Active	**F418**	**F418**	Navajo Nation
E307	4303715412	NW	SW	7	T40S	R24E	1980' FSL/660' FWL	SL-067807	Active	**E307**	**E307**	Navajo Nation
E118	4303715413	NW	NW	18	T40S	R24E	660' FNL/660' FWL	SL-067807	Active	**E118**	**E118**	Navajo Nation
F407	4303715415	SE	SW	7	T40S	R24E	660' FSL/1980' FWL	SL-067807	Active	**F407**	**F407**	Navajo Nation
E136	4303715485	NW	NW	36	T40S	R24E	660' FNL/660' FWL	14-20-603-5444	Active	**E136**	**E136**	Navajo Nation
G136	4303715486	NW	NE	36	T40S	R24E	785' FNL/2040' FEL	14-20-603-5443	Active	**G136**	**G136**	Navajo Nation
H236	4303715487	SE	NE	36	T40S	R24E	1980' FNL/660' FEL	14-20-603-5443	P/A			Navajo Nation
B213	4303715825	SE	NW	13	T40S	R23E	3300' FSL/3300' FEL	SL-070968-A	Active			State of Utah
C113	4303715827	NW	NE	13	T40S	R23E	4602' FSL/1993' FEL	SL-070968-A	Active			State of Utah
C313	4303715828	NW	SE	13	T40S	R23E	1949' FSL/1991' FEL	SL-070968-A	Active			State of Utah
D213	4303715830	SE	NE	13	T40S	R23E	3263' FSL/660' FEL	SL-070968-A	Active			State of Utah
E116	4303715832	NW	NW	16	T40S	R24E	601' FNL/550' FWL	ML-3156	Active	**E116**	**E116**	Navajo Nation
E213	4303715938	SW	NW	13	T40S	R24E	2140' FNL/740' FWL	I-IND-149-8837	Active	**E213**	**E213**	Navajo Nation
E214	4303715939	SW	NW	14	T40S	R24E	1940' FNL/650' FWL	I-149-IND-8837	Active	**E214**	**E214**	Navajo Nation
E411	4303715940	SW	SW	11	T40S	R24E	500' FSL/820' FWL	I-149-IND-8837	Active	**E411**	**E411**	Navajo Nation
E413	4303715941	SW	SW	13	T40S	R24E	660' FSL/660' FWL	IND-149-8837	Active	**E413**	**E413**	Navajo Nation
F314	4303715942	NE	SW	14	T40S	R24E	1980' FSL/1980'FWL	I-149-IND-8837	Active	**F314**	**F314**	Navajo Nation
G214	4303715943	SW	NE	14	T40S	R24E	2140' FNL/2010' FEL	I-149-IND-8839	P/A			Navajo Nation
G411	4303715944	SW	SE	11	T40S	R24E	680' FSL/1950' FEL	I-149-IND-8837	Active	**G411**	**G411**	Navajo Nation
G414	4303715945	SW	SE	14	T40S	R24E	660' FSL/1980' FEL	I-149-IND-8837	Active	**G414**	**G414**	Navajo Nation
J131	4303715946	NW	NW	31	T40S	R25E	660' FNL/638' FWL	14-20-603-372	Active	**J131**	**J131**	Navajo Nation
B114	4303716032	NE	NW	14	T40S	R23E	660' FNL/1980' FWL	SL-070968	Shut-In			State of Utah
C214	4303716033	SW	NE	14	T40S	R23E	1890' FNL/1930' FEL	SL-070968	Shut-In			State of Utah
C411	4303716034	SW	SE	11	T40S	R23E	600' FSL/2010' FEL	SL-070968-B	P/A			State of Utah
C414	4303716035	SW	SE	14	T40S	R23E	760' FSL/2000' FEL	SL-070968	Active			State of Utah
D314	4303716038	NE	SE	14	T40S	R23E	1980' FSL/660' FEL	SL-070968	Active			State of Utah
E117	4303716049	NW	NW	17	T40S	R24E	520' FNL/645' FWL	I-149-IND-8835	Active	**E117**	**E117**	Navajo Nation
E120	4303716050	NW	NW	20	T40S	R24E	660' FNL/660' FWL	I-149-IND-8836	Active	**E120**	**E120**	Navajo Nation
E121	4303716051	NW	NW	21	T40S	R24E	660' FNL/760' FWL	I-149-IND-8836	Active	**E121**	**E121**	Navajo Nation
E126	4303716054	NW	NW	26	T40S	R24E	760' FNL/660' FWL	I-149-IND-8838	Active	**E126**	**E126**	Navajo Nation
E129	4303716055	NW	NW	29	T40S	R24E	660' FNL/660' FWL	14-20-603-4030	Active	**E129**	**E129**	Navajo Nation
E308	4303716060	NW	SW	8	T40S	R24E	1820' FSL/645' FWL	I-149-IND-8833	Active	**E308**	**E308**	Navajo Nation
E309	4303716061	NW	SW	9	T40S	R24E	1900' FSL/500' FWL	I-149-IND-8834	P/A			Navajo Nation
E317	4303716062	NW	SW	17	40S	24E	1980' FSL/660' FWL	I-149-IND-8835	Active	**E317**	**E317**	Navajo Nation
E318	4303716063	NW	SW	18	T40S	R24E	1980' FSL/660' FWL	SL-067807	Active	**E318**	**E318**	Navajo Nation
E319	4303716064	NW	SW	19	T40S	R24E	2040' FSL/680' FWL	I-149-IND-8836	P/A			Navajo Nation
E320	4303716065	NW	SW	20	T40S	R24E	2140' FSL/820' FWL	I-149-IND-8836	Active	**E320**	**E320**	Navajo Nation
E321	4303716066	NW	SW	21	T40S	R24E	2140' FSL/720' FWL	I-149-IND-8836	Active	**E321**	**E321**	Navajo Nation
E322	4303716067	NW	SW	22	T40S	R24E	1980' FSL/660' FWL	I-149-IND-8836	Active	**E322**	**E322**	Navajo Nation
E323	4303716068	NW	SW	23	T40S	R24E	1980' FSL/510' FWL	I-149-IND-8838	Active	**E323**	**E323**	Navajo Nation
E324	4303716069	NW	SW	24	T40S	R24E	1980' FSL/660'FWL	I-149-IND-8838	Active	**E324**	**E324**	Navajo Nation
E325	4303716070	NW	SW	25	T40S	R24E	1980' FSL/660' FWL	I-149-IND-8838	Active	**E325**	**E325**	Navajo Nation
E326	4303716071	NW	SW	26	T40S	R24E	1980' FSL/660' FWL	I-149-IND-8838	Active	**E326**	**E326**	Navajo Nation
F115	4303716074	NE	NW	15	T40S	R24E	690' FNL/2140' FWL	I-149-IND-8834	Active	**F115**	**F115**	Navajo Nation

F208	4303716076	SE	NW	8	T40S	R24E	2140' FNL/2050' FWL	I-149-IND-8833	Active	**F208**	**F208**	Navajo Nation
F219	4303716077	SE	NW	19	T40S	R24E	1820' FNL/2140' FWL	I-149-IND-8836	Active	**F219**	**F219**	Navajo Nation
F221	4303716078	SE	NW	21	T40S	R24E	1980' FNL/1980' FWL	I-149-IND-8836	Active	**F221**	**F221**	Navajo Nation
F223	4303716079	SE	NW	23	T40S	R24E	1980' FNL/1820' FWL	I-149-IND-8838	Active	**F223**	**F223**	Navajo Nation
F225	4303716080	SE	NW	25	T40S	R24E	2040' FNL/2080' FWL	I-149-IND-8838	Active	**F225**	**F225**	Navajo Nation
F409	4303716082	SE	SW	9	T40S	R24E	660' FSL/1980' FWL	I-149-IND-8834	Active	**F409**	**F409**	Navajo Nation
F421	4303716084	SE	SW	21	T40S	R24E	585' FSL/1990' FWL	I-149-IND-8836	Active	**F421**	**F421**	Navajo Nation
F422	4303716085	SE	SW	22	T40S	R24E	660' FSL/1980' FWL	I-149-IND-8836	Active	**F422**	**F422**	Navajo Nation
F423	4303716086	SE	SW	23	T40S	R24E	770' FSL/1955' FWL	I-149-IND-8838	Active	**F423**	**F423**	Navajo Nation
F424	4303716087	SE	SW	24	T40S	R24E	660' FSL/2100' FWL	I-149-IND-8838	Active	**F424**	**F424**	Navajo Nation
G117	4303716089	NW	NE	17	T40S	R24E	660' FNL/1980' FEL	I-149-IND-8835	Active	**G117**	**G117**	Navajo Nation
G118	4303716090	NW	NE	18	T40S	R24E	800' FNL/1910' FEL	I-149-IND-8835	Active	**G118**	**G118**	Navajo Nation
G119	4303716091	NW	NE	19	T40S	R24E	660' FNL/2140' FEL	I-149-IND-8836	Active	**G119**	**G119**	Navajo Nation
G120	4303716092	NW	NE	20	T40S	R24E	660' FNL/1980' FEL	I-149-IND-8833	Active	**G120**	**G120**	Navajo Nation
G125	4303716095	NW	NE	25	T40S	R24E	660' FNL/2140' FEL	I-149-IND-8838	Active	**G125**	**G125**	Navajo Nation
G129	4303716097	NW	NE	29	T40S	R24E	580' FNL/1905' FEL	14-20-603-4030	Active	**G129**	**G129**	Navajo Nation
G307	4303716100	NW	SE	7	T40S	R24E	1900' FSL/1995' FEL	SL-067807	Active	**G307**	**G307**	Navajo Nation
G308	4303716101	NW	SE	8	T40S	R24E	1975' FSL/1830' FEL	I-149-IND-8834	Active	**G308**	**G308**	Navajo Nation
G317	4303716103	NW	SE	17	T40S	R24E	1778' FSL/1900' FEL	I-149-IND-8835	Active	**G317**	**G317**	Navajo Nation
G318	4303716104	NW	SE	18	T40S	R24E	2125' FSL/1980' FEL	I-149-IND-8835	Active	**G318**	**G318**	Navajo Nation
G320	4303716105	NW	SE	20	T40S	R24E	1980' FSL/1980' FEL	I-149-IND-8836	Active	**G320**	**G320**	Navajo Nation
G324	4303716111	NW	SE	24	T40S	R24E	1980' FSL/1980' FEL	I-149-IND-8838	Active	**G324**	**G324**	Navajo Nation
G326	4303716113	NW	SE	26	T40S	R24E	1980' FSL/1980' FEL	I-149-IND-8838	Active	**G326**	**G326**	Navajo Nation
G415	4303716116	SW	SE	15	T40S	R24E	820' FSL/2400' FEL	I-149-IND-8834	Active	**G415**	**G415**	Navajo Nation
H122	4303716117	NE	NE	22	T40S	R24E	660' FNL/660' FEL	I-149-IND-8836	Active	**H122**	**H122**	Navajo Nation
H207	4303716118	SE	NE	7	T40S	R24E	1820' FNL/820' FEL	SL-067807	T/A			State of Utah
H208	4303716119	SE	NE	8	T40S	R24E	2140' FNL/660' FEL	I-149-IND-8833	Active	**H208**	**H208**	Navajo Nation
H218	4303716120	SE	NE	18	T40S	R24E	1980' FNL/660' FEL	I-149-IND-8835	Active	**H218**	**H218**	Navajo Nation
H219	4303716121	SE	NE	19	T40S	R24E	1945' FNL/607' FEL	I-149-IND-8836	Active	**H219**	**H219**	Navajo Nation
H221	4303716122	SE	NE	21	T40S	R24E	1980' FNL/660' FEL	I-149-IND-8836	Active	**H221**	**H221**	Navajo Nation
H223	4303716123	SE	NE	23	T40S	R24E	1820' FNL/730' FEL	I-149-IND-8838	Active	**H223**	**H223**	Navajo Nation
H225	4303716124	SE	NE	25	T40S	R24E	1980' FNL/660' FEL	I-149-IND-8838	Active	**H225**	**H225**	Navajo Nation
H410	4303716125	SE	SE	10	T40S	R24E	625' FSL/545' FEL	I-149-IND-8834	P/A			Navajo Nation
H422	4303716127	SE	SE	22	T40S	R24E	^660' FSL/660' FEL	I-149-IND-8836	P/A			Navajo Nation
H423	4303716128	SE	SE	23	T40S	R24E	820' FSL/450' FEL	I-149-IND-8838	Active	**H423**	**H423**	Navajo Nation
H425	4303716129	SE	SE	25	T40S	R24E	660' FSL/660' FEL	I-149-IND-8838	Active	**H425**	**H425**	Navajo Nation
J129	4303716131	NW	NW	29	T40S	R25E	620' FNL/615' FWL	I-149-IND-8839	P/A			Navajo Nation
J130	4303716132	NW	NW	30	T40S	R25E	720' FNL/590' FEL	I-149-IND-8839	Shut-In	**J130**	**J130**	Navajo Nation
J330	4303716134	NW	SW	30	T40S	R25E	2060' FSL/800' FWL	I-149-IND-8839	Active	**J330**	**J330**	Navajo Nation
K230	4303716135	SE	NW	30	T40S	R25E	2075' FSL/2140' FWL	I-149-IND-8839	Shut-In	**K230**	**K230**	Navajo Nation
K430	4303716137	SE	SW	30	T40S	R25E	660' FSL/1980' FWL	I-149-IND-8839	Active	**K430**	**K430**	Navajo Nation
L330	4303716139	NW	SE	30	T40S	R25E	2120' FSL/1960' FEL	I-149-IND-8839	Active	**L330**	**L330**	Navajo Nation
L419	4303716140	SW	SE	19	T40S	R25E	660' FSL/1980' FEL	I-149-IND-8839	Active	**L419**	**L419**	Navajo Nation
M230	4303716141	SE	NE	30	T40S	R25E	1930' FNL/660' FEL	I-149-IND-8839	Active	**M230**	**M230**	Navajo Nation
E128	4303716222	NW	NW	28	T40S	R24E	660' FNL/660' FWL	14-20-603-2056	Active	**E128**	**E128**	Navajo Nation
F227	4303716223	SE	NW	27	T40S	R24E	1980' FNL/1980' FWL	14-20-603-2056	T/A			Navajo Nation
G128	4303716224	NW	NE	28	T40S	R24E	660' FNL/1980' FEL	14-20-603-2056	Shut-In	**G128**	**G128**	Navajo Nation

H228	4303716228	SE	NE	28	T40S	R24E	2080' FNL/560' FEL	14-20-603-2056	T/A			Navajo Nation
A124	4303716270	NW	NW	24	T40S	R23E	500' FNL/500'FWL	SL-0701010-C	Active			State of Utah
B123	4303716271	NE	NW	23	T40S	R23E	500' FNL/2140' FWL	SL-0701010	Active			State of Utah
B312	4303716272	NE	SW	12	T40S	R23E	3295' FNL/3348' FEL	SL-070968-A	Active	**B312**	**B312**	Navajo Nation
B314	4303716273	NE	SW	14	T40S	R23E	2030' FSL/2030' FWL	SL-070968	Active			State of Utah
C112	4303716274	NW	NE	12	T40S	R23E	658' FNL/1974' FEL	SL-070968-A	P/A			State of Utah
C124	4303716275	NW	NE	24	T40S	R23E	660' FNL/1980' FEL	SL-0701010-C	P/A			State of Utah
C223	4303716276	SW	NE	23	T40S	R23E	1820' FNL/1980' FEL	SL-0701010	P/A			State of Utah
D114	4303716277	NE	NE	14	T40S	R23E	660' FNL/760' FEL	SL-070968	Active			State of Utah
D212	4303716278	SE	NE	12	T40S	R23E	1860' FNL/656' FEL	SL-070968-A	Shut-In	**D212**	**D212**	Navajo Nation
D413	4303716279	SE	SE	13	T40S	R23E	660' FSL/661' FEL	SL-070968-A	Active			State of Utah
E119	4303716280	NW	NW	19	T40S	R24E	500' FNL/820' FWL	I-149-IND-8836	Active	**E119**	**E119**	Navajo Nation
E207	4303716283	SW	NW	7	T40S	R24E	2030' FNL 750 FWL		T/A	E207	E207	
E208	4303716284	SW	NW	8	T40S	R24E	1930' FNL/500' FWL	I-149-IND-8833	T/A			Navajo Nation
F116	4303716285	NE	NW	16	T40S	R24E	660' FNL/1980' FWL	ML-3156	Active	**F116**	**F116**	Navajo Nation
F217	4303716286	SE	NW	17	T40S	R24E	1890' FNL/1930' FWL	I-149-IND-8835	Active	**F217**	**F217**	Navajo Nation
F218	4303716287	SE	NW	18	T40S	R24E	1970' FNL/2060' FWL	I-149-IND-8835	Active	**F218**	**F218**	Navajo Nation
F220	4303716288	SE	NW	20	T40S	R24E	1980' FNL/1980' FWL	I-149-IND-8836	Active	**F220**	**F220**	Navajo Nation
F224	4303716289	SE	NW	24	T40S	R24E	1980' FNL/1980' FWL	I-149-IND-8838	Active	**F224**	**F224**	Navajo Nation
F226	4303716290	SE	NW	26	T40S	R24E	1950' FNL/1900' FWL	I-149-IND-8838	Active	**F226**	**F226**	Navajo Nation
F229	4303716292	SE	NW	29	T40S	R24E	2015' FNL/1930' FWL	14-20-603-4030	P/A	**F229**	**F229**	Navajo Nation
F235	4303716293	SE	NW	35	T40S	R24E	1825' FNL/2010' FWL	14-20-603-2059	Active	**F235**	**F235**	Navajo Nation
F236	4303716294	SE	NW	36	T40S	R24E	1980' FNL/1980' FWL	14-20-603-5444	Active	**F236**	**F236**	Navajo Nation
F311	4303716295	NE	SW	11	T40S	R24E	1820' FSL/1980'FWL	I-149-IND-8837	P/A			Navajo Nation
F315	4303716296	NE	SW	15	T40S	R24E	1980' FSL/2010' FWL	I-149-IND-8834	Active	**F315**	**F315**	Navajo Nation
F316	4303716297	NE	SW	16	T40S	R24E	2260' FSL/2140' FWL	ML-3156	Active	**F316**	**F316**	Navajo Nation
F408	4303716298	SE	SW	8	T40S	R24E	660' FSL/1980' FWL	I-149-IND-8833	Active	**F408**	**F408**	Navajo Nation
F417	4303716299	SE	SW	17	T40S	R24E	500' FSL/2140' FWL	I-149-IND-8835	Active	**F417**	**F417**	Navajo Nation
F420	4303716300	SE	SW	20	T40S	R24E	660' FSL/1980' FWL	I-149-IND-8836	Active	**F420**	**F420**	Navajo Nation
F425	4303716301	SE	SW	25	T40S	R24E	795' FSL/1960' FWL	I-149-IND-8838	Active	**F425**	**F425**	Navajo Nation
F426	4303716302	SE	SW	26	T40S	R24E	632' FSL/1867' FWL	I-149-IND-8838	P/A			Navajo Nation
F434	4303716303	SE	SW	34	T40S	R24E	815' FSL/1860' FWL	14-20-603-2056	P/A			Navajo Nation
F435	4303716304	SE	SW	35	T40S	R24E	820' FSL/1930' FWL	14-20-603-2059	T/A			Navajo Nation
G123	4303716306	NW	NE	23	T40S	R24E	660' FNL/1530' FEL	I-149-IND-8838	Active	**G123**	**G123**	Navajo Nation
G127	4303716307	NW	NE	27	T40S	R24E	660' FNL/1980' FEL	14-20-603-2056	Active	**G127**	**G127**	Navajo Nation
G319	4303716309	NW	SE	19	T40S	R24E	1920' FSL/2060' FEL	I-149-IND-8836	Active	**G319**	**G319**	Navajo Nation
H216	4303716312	SE	NE	16	T40S	R24E	3331' FSL/703' FEL	ML-3156	Active	**H216**	**H216**	Navajo Nation
H217	4303716313	SE	NE	17	T40S	R24E	2070' FNL/820' FEL	I-149-IND-8833	Active	**H217**	**H217**	Navajo Nation
H220	4303716314	SE	NE	20	T40S	R24E	2025' FNL/560' FEL	I-149-IND-8833	Active	**H220**	**H220**	Navajo Nation
H226	4303716316	SE	NE	26	T40S	R24E	1980' FNL/780' FEL	I-149-IND-8838	Active	**H226**	**H226**	Navajo Nation
H227	4303716317	SE	NE	27	T40S	R24E	1980' FNL/630' FEL	14-20-603-2056	Active	**H227**	**H227**	Navajo Nation
H229	4303716318	SE	NE	29	T40S	R24E	1820' FNL/660' FEL	14-20-603-4030	Shut-In	**H229**	**H229**	Navajo Nation
H234	4303716319	SE	NE	34	T40S	R24E	1980' FNL/660' FEL	14-20-603-2056	Active	**H234**	**H234**	Navajo Nation
H235	4303716320	SE	NE	35	T40S	R24E	2000' FNL/770' FEL	14-20-603-2059	Active	**H235**	**H235**	Navajo Nation
H407	4303716322	SE	SE	7	T40S	R24E	645' FSL/500' FEL	I-149-IND-8835	Active	**H407**	**H407**	Navajo Nation
H408	4303716323	SE	SE	8	T40S	R24E	500' FSL/530' FEL	I-149-IND-8834	Active	**H408**	**H408**	Navajo Nation
H417	4303716326	SE	SE	17	T40S	R24E	500' FSL/690' FEL	I-149-IND-8833	Active	**H417**	**H417**	Navajo Nation

H418	4303716327	SE	SE	18	T40S	R24E	660' FSL/660' FEL	I-149-IND-8835	Active	**H418**	**H418**	Navajo Nation
H419	4303716328	SE	SE	19	T40S	R24E	570' FSL/450' FEL	I-149-IND-8836	P/A			Navajo Nation
H420	4303716329	SE	SE	20	T40S	R24E	660' FSL/660' FEL	I-149-IND-8836	Active	**H420**	**H420**	Navajo Nation
H421	4303716330	SE	SE	21	T40S	R24E	500' FSL/750' FEL	I-149-IND-8836	Active	**H421**	**H421**	Navajo Nation
H424	4303716331	SE	SE	24	T40S	R24E	820' FSL/610' FEL	I-149-IND-8838	Active	**H424**	**H424**	Navajo Nation
H426	4303716332	SE	SE	26	T40S	R24E	710' FSL/510' FEL	I-149-IND-8838	Active	**H426**	**H426**	Navajo Nation
H427	4303716333	SE	SE	27	T40S	R24E	660' FSL/660' FEL	14-20-603-2056	Active	**H427**	**H427**	Navajo Nation
K231	4303716335	SE	NW	31	T40S	R25E	2014' FNL/2054' FWL	14-20-603-372A	Active	**K231**	**K231**	Navajo Nation
M430	4303716337	SE	SE	30	T40S	R25E	670' FSL/790' FEL	I-149-IND-8839	Active	**M430**	**M430**	Navajo Nation
E414	4303716421	SW	SW	14	T40S	R24E	750' FSL/620' FWL	I-149-IND-8837	Active	**E414**	**E414**	Navajo Nation
F114	4303716422	NE	NW	14	40S	24E	720' FNL/1870' FWL	I-149-IND-8839	Active	**F114**	**F114**	Navajo Nation
E127	4303716782	NW	NW	27	T40S	R24E	660' FNL/660' FWL	14-20-603-2056	P/A			Navajo Nation
H416	4303720230	SE	SE	16	T40S	R24E	150' FSL/660' FEL	ML-3156	Active	**H416**	**H416**	Navajo Nation
G322X	4303720231	NW	SE	22	T40S	R24E	1550' FSL/1720' FEL	I-149-IND-8836	Active	**G322X**	**G322X**	Navajo Nation
D412	4303730049	SE	SE	12	T40S	R23E	500' FSL/150' FEL	SL-070968-A	Active	**D412**	**D412**	Navajo Nation
E316	4303730094	NW	SW	16	T40S	R24E	2190' FSL/128' FWL	ML-3156	Active	**E316**	**E316**	Navajo Nation
G321X	4303730095	NW	SE	21	T40S	R24E	1900' FSL/1755' FEL	I-149-IND-8836	Shut-In	**G321X**	**G321X**	Navajo Nation
G316	4303730107	NW	SE	16	T40S	R24E	2320' FSL/1745' FEL	ML-3156	Active	**G316**	**G316**	Navajo Nation
C312	4303730112	NW	SE	12	T40S	R23E	1610' FSL/1800' FEL	SL-070968-A	Active	**C312**	**C312**	Navajo Nation
A113	4303730119	NW	NW	13	T40S	R23E	700' FNL/650' FWL	SL-070968-A	Active			State of Utah
E218	4303730137	SW	NW	18	T40S	R24E	1860' FNL/660' FWL	SL-067807	Active	**E218**	**E218**	Navajo Nation
F118	4303730155	NE	NW	18	T40S	R24E	619' FNL/2184' FWL	SL-067807	Active	**F118**	**F118**	Navajo Nation
D113	4303730174	NE	NE	13	T40S	R23E	578' FNL/619' FEL	SL-070968-A	Active			State of Utah
E407	4303730175	SW	SW	7	T40S	R24E	618' FSL/577' FWL	SL-067807	Active	**E407**	**E407**	Navajo Nation
E315	4303730213	NW	SW	15	T40S	R24E	2212' FSL/591' FWL	I-149-IND-8834	Active	**E315**	**E315**	Navajo Nation
E122	4303730215	NW	NW	22	T40S	R24E	528' FNL/660' FWL	I-149-IND-8836	Active	**E122**	**E122**	Navajo Nation
F123	4303730235	NE	NW	23	T40S	R24E	660' FNL/2046' FWL	I-149-IND-8838	Shut-In	**F123**	**F123**	Navajo Nation
B413	4303730297	SE	SW	13	T40S	R23E	660' FSL/1980' FWL	SL-070968-A	Active			State of Utah
A313	4303730299	NW	SW	13	T40S	R23E	1840' FSL/470' FWL	SL-070968-A	Active			State of Utah
H315	4303730312	NE	SE	15	T40S	R24E	1980' FSL/660' FEL	I-149-IND-8834	Active	**H315**	**H315**	Navajo Nation
F416	4303730333	SE	SW	16	T40S	R24E	1000' FSL/1980' FWL	ML-3156	Active	**F416**	**F416**	Navajo Nation
G121X	4303730335	NW	NE	21	T40S	R24E	790' FNL/1780' FEL	I-149-IND-8836	Active	**G121X**	**G121X**	Navajo Nation
G116	4303730344	NW	NE	16	T40S	R24E	660' FNL/1980' FEL	ML-3156	Active	**G116**	**G116**	Navajo Nation
G126X	4303730372	NW	NE	26	T40S	R24E	860' FNL/1780' FEL	I-149-IND-8838	Active	**G126X**	**G126X**	Navajo Nation
F222	4303730373	SE	NW	22	T40S	R24E	1920' FNL/1980' FWL	I-149-IND-8836	Active	**F222**	**F222**	Navajo Nation
G122	4303730425	NW	NE	22	T40S	R24E	570' FNL/1960' FEL	I-149-IND-8836	Active	**G122**	**G122**	Navajo Nation
H314X	4303731381	NE	SE	14	T40S	R24E	1950' FSL/570' FEL	I-149-IND-8837	Active	**H314X**	**H314X**	Navajo Nation

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

X Change of Operator (Well Sold) Designation of Agent/Operator

Operator Name Change Merger

The operator of the well(s) listed below has changed, effective: **12/1/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N0210-Chevron USA, Inc.	N2700-Resolute Natural Resources Company
PO Box 4791	1675 Broadway, Suite 1950
Houston, TX 77210-4791	Denver, CO 80202
Phone: 1-(713) 752-7431	Phone: 1-(303) 534-4600

CA No. **Unit:** **ANETH**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MESA 1 (ANETH C411)	11	400S	230E	4303716034	99990	Federal	WI	I
BURTON 23-12 (ANETH B312)	12	400S	230E	4303716272	99990	Federal	WI	A
BURTON 31-12 (ANETH C-112)	12	400S	230E	4303716274	99990	Federal	WI	I
BURTON 22-13 (ANETH B-213)	13	400S	230E	4303715825	99990	Federal	WI	A
BURTON 31-13 (ANETH C-113)	13	400S	230E	4303715827	99990	Federal	WI	A
BURTON 33-13 (ANETH C-313)	13	400S	230E	4303715828	99990	Federal	WI	A
BURTON 42-13 (D213)	13	400S	230E	4303715830	7000	Federal	WI	A
ARROWHEAD 6 (ANETH B-114)	14	400S	230E	4303716032	99990	Federal	WI	A
ARROWHEAD 3 (ANETH C-214)	14	400S	230E	4303716033	99990	Federal	WI	A
ARROWHEAD 5 (ANETH C-414)	14	400S	230E	4303716035	99990	Federal	WI	A
ARROWHEAD 4 (ANETH D-314)	14	400S	230E	4303716038	99990	Federal	WI	A
ARROWHEAD 2 (ANETH B-314)	14	400S	230E	4303716273	99990	Federal	WI	A
A W RICE 2 (ANETH B-123)	23	400S	230E	4303716271	99990	Federal	WI	A
A W RICE 3 (ANETH C-223)	23	400S	230E	4303716276	99990	Federal	WI	A
FEDERAL A-1 (ANETH A-124)	24	400S	230E	4303716270	99990	Federal	WI	A
FEDERAL 1 (ANETH C-124)	24	400S	230E	4303716275	99990	Federal	WI	A
W ISMY FED 3 (ANETH E307)	07	400S	240E	4303715412	99990	Federal	WI	A
W ISMAY FED 2 (ANETH F-407)	07	400S	240E	4303715415	99990	Federal	WI	A
NAVAJO FED 6-1 (ANETH G-307)	07	400S	240E	4303716100	99990	Federal	WI	A
NAVAJO FED 7-1 (ANETH H-207)	07	400S	240E	4303716118	99990	Federal	WI	I
ANETH U E-118 (W ISMY FED 1)	18	400S	240E	4303715413	99990	Federal	WI	A
NAVAJO TRIBAL 4 (ANETH E-318)	18	400S	240E	4303716063	99990	Federal	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/22/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/13/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 11/22/2004
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: _____ requested

6b. Inspections of LA PA state/fee well sites complete on: 12/20/2004

7. **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 not yet BIA not yet

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **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: _____

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 12/29/2004
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 12/29/2004
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: separate list
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: B001263

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: B001264

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number B001262
2. The **FORMER** operator has requested a release of liability from their bond on: not yet
The Division sent response by letter on: _____

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: _____

COMMENTS:

(NOT NNBIA)

ANNULAR PRESSURE TEST

4S 23E 13 (Mechanical Integrity Test)

API# 43-037-15825

Operator Resolute Natural Resources **Date of Test** 11/22/11

Well Name Aneth Unit Well #13213 **EPA Permit No.**

Location SE/NW sec13 T40S R23E **Tribal Lease No.** SL-070968-A

State and County Utah, San Juan County

Continuous Recorder? YES ☒ **NO** ☐ **Pressure Gauge? YES** ☒ **NO** ☐

Bradenhead Opened? YES ☒ **NO** ☐ **Fluid Flow? YES** ☐ **NO** ☒

TIME	ANNULUS PRESSURE, psi (Chart)	ANNULUS PRESSURE, psi (0-3000)	TUBING PRESSURE, psi (0-3000)
11:52	1100	1050	850
11:57	1100	1050	850
12:02	1100	1050	850
12:07	1100	1050	850
12:12	1100	1050	850
12:17	1100	1050	850
12:22	1100	1050	850

MAX. INJECTION PRESSURE: 3000 **PSI**

MAX. ALLOWABLE PRESSURE CHANGE: 52.5 **PSI (TEST PRESSURE X 0.05)**

REMARKS: **Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).**

- well SI, w/o recently completed - new csg
- MIT passed

Ivan Benally — 11-22-11

COMPANY REPRESENTATIVE: (Print and Sign) **DATE**

Jean Bia — 11/22/11

INSPECTOR: (Print and Sign) **DATE**

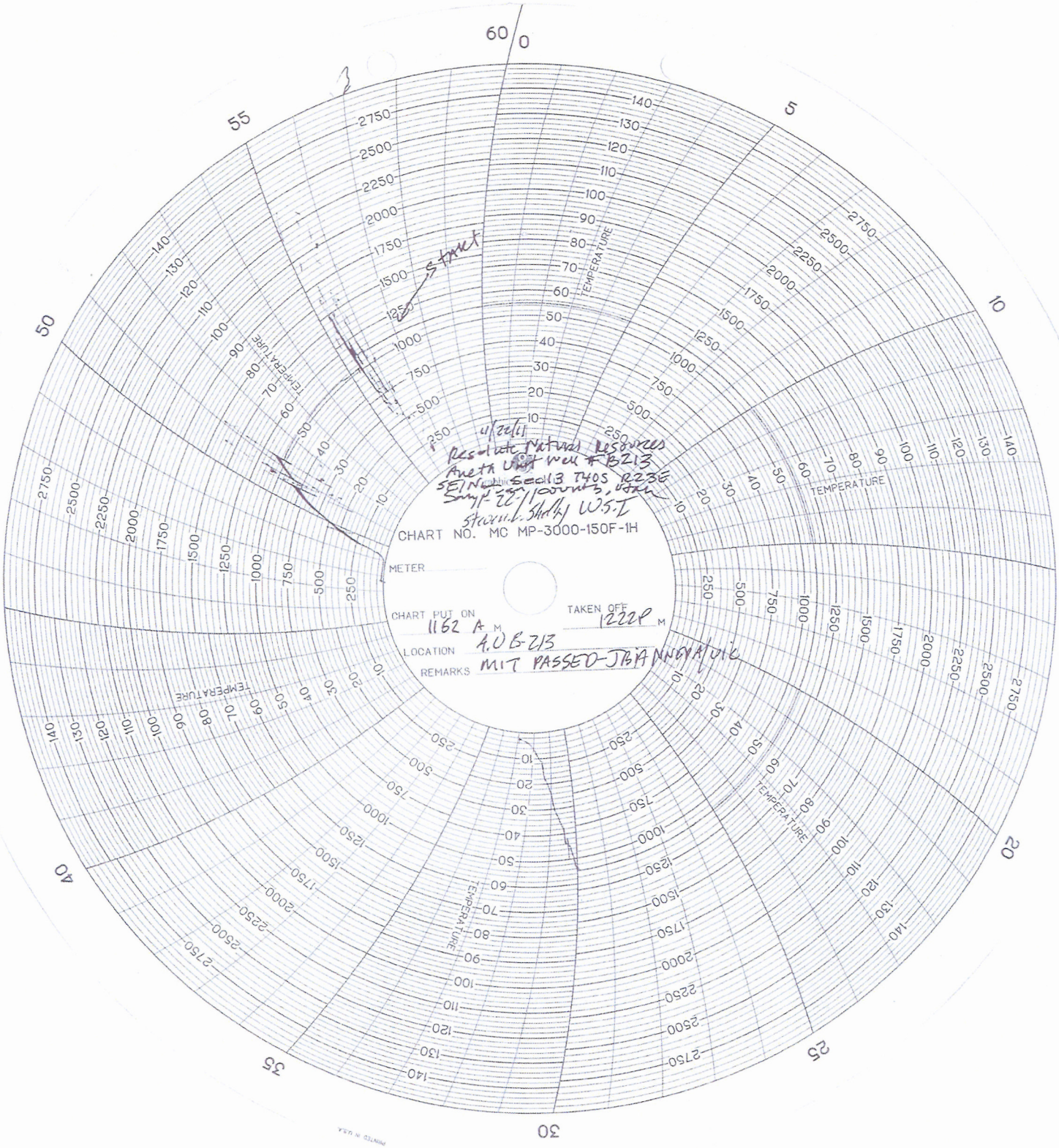
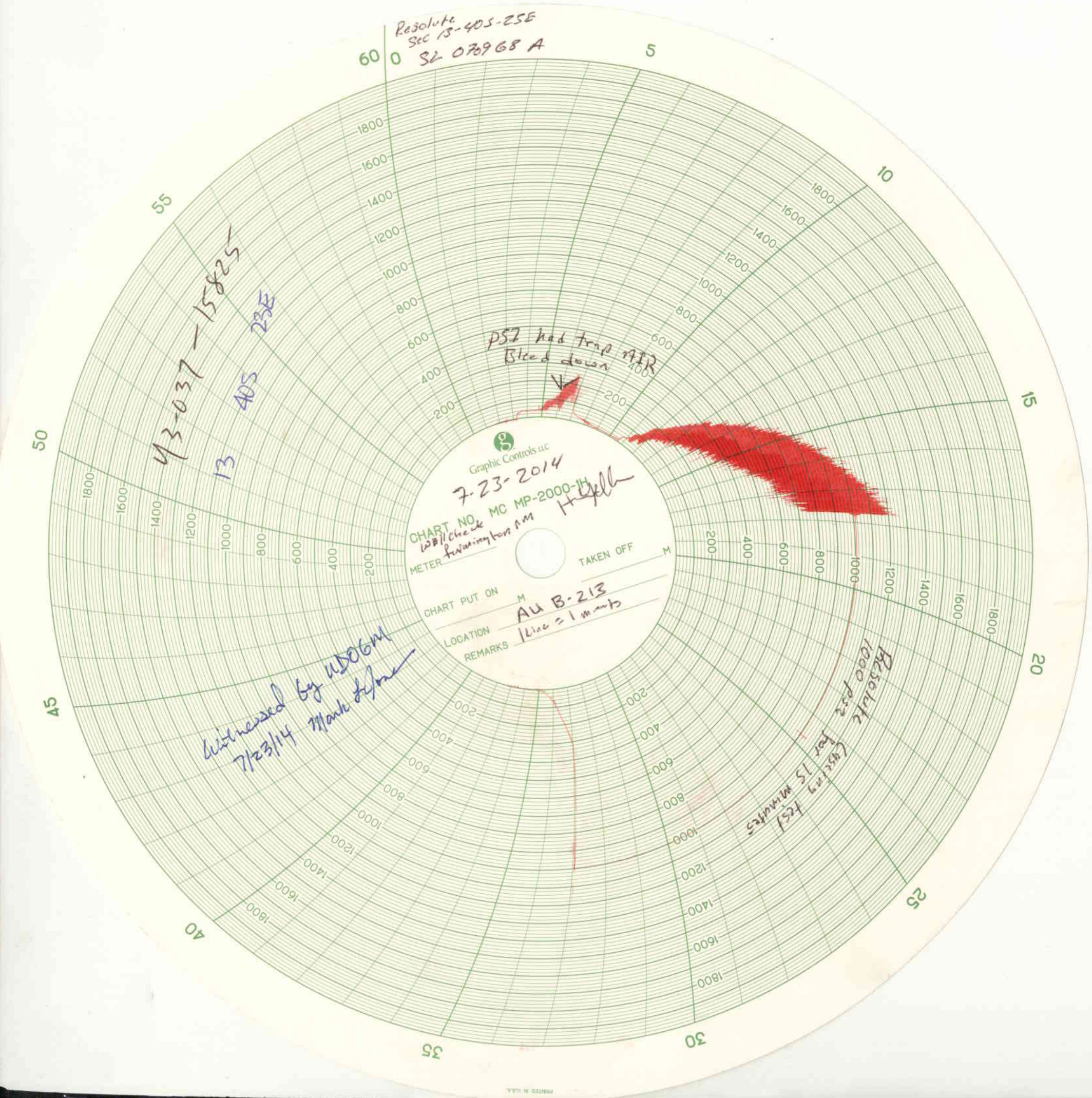


CHART NO. MC MP-3000-150F-1H
METER
CHART PUT ON 1162 A M
TAKEN OFF 1222P M
LOCATION A.U B-213
REMARKS MIT PASSED-JTB ANNULUS
TEMPERATURE
PRINTED IN U.S.A.


Resolute
Sec 13-40S-23E
SL 070968 A
43-037-15825
13 40S 23E
PSZ had trap AIR
Bleed down
Graphic Controls LLC
7-23-2014
CHART NO. MC MP-2000-1H
METER Farmington NM
TAKEN OFF
CHART PUT ON
LOCATION Au B-213
REMARKS 1 Line = 1 mmb
Witnessed by UDOGM
7/23/14 Mark Hylne
Resolute Closing test
1000 psi for 15 minutes