

9-2-76 - Subsequent report of converting to water injection

FILE NOTATIONS

Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	<i>APD</i>
Entered On S R Sheet	<input type="checkbox"/>	Copy NID to Field Office	<input checked="" type="checkbox"/>
Location Map Pinned	<input checked="" type="checkbox"/>	Approval Letter	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Disapproval Letter	<input type="checkbox"/>
IWR for State or Fee Land	<input type="checkbox"/>		

COMPLETION DATA:

Date Well Completed	<i>2-20-61</i>	Location Inspected	<input type="checkbox"/>
OW <input checked="" type="checkbox"/> WW <input type="checkbox"/> TA <input type="checkbox"/>		Bond released	<input type="checkbox"/>
GW <input type="checkbox"/> OS <input type="checkbox"/> PA <input type="checkbox"/>		State of Fee Land	<input type="checkbox"/>

LOGS FILED

Driller's Log	<i>3-10-61</i>	GR-N	<input type="checkbox"/>	Micro	<input type="checkbox"/>
Electric Logs (No.)	<i>4</i>	E-I	<input checked="" type="checkbox"/>	Others	<i>Cement Bond Log</i>
Lat	<input type="checkbox"/>	Mi-L	<input type="checkbox"/>	Sonic	<input type="checkbox"/>
					<i>Acoustic Velocity Log</i>
					<i>Dip Log</i>

THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

ROCKY MOUNTAIN PRODUCING DIVISION

~~XXXXXXXXXXXX~~

~~XXXXXXXXXXXX~~

P. O. Box 265

Moab, Utah

January 16, 1961

Mr. Cleon B. Feight, Secretary
Utah Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

Dear Mr. Feight:

As per our telephone conversation of this date,
enclosed in duplicate is the Notice of Intention to
drill East Aneth Well No. 27-B3 located in Section
27, Township 40 South, Range 26 East, San Juan County,
Utah.

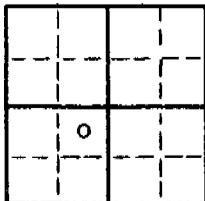
Again let me express our note of thanks for the
verbal approval to drill this well.

Yours very truly,

THE PURE OIL COMPANY

J. B. Strong
District Chief Clerk

Encl: (2)



Sec. 27

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented.....
State.....
Lease No.
Public Domain.....
Lease No.
Indian Navajo.....
Lease No. 11-20-603-2055

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input checked="" type="checkbox"/>	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
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)

January 16, 1961

East Aneth Well No. 27-B3 is located 1980 ft. from 1900 ft. from 1970 ft. from 1900 ft. from W line and W line of Sec. 27

C NE SW 27 40S 26E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ~~drill hole~~ ground above sea level is 4963 feet.
(KB elevation will be furnished later)

A drilling and plugging bond has been filed with U. S. Government

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 work, surface formation, and date anticipate spudding-in.)

Proposed Casing Program:

- 75' - 13-3/8" Conductor (Cemented to surface)
- 1500' - 9-5/8" Surface casing (Cemented to surface)
- 6000' - 5-1/2" Production string (Approximately 200 sacks).

Principal objective is the Paradox formation.
Estimated Total Depth 6000'.

(Verbal approval obtained from Mr. Cleon B. Feight 1-16-61)

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

Company The Pure Oil Company
Address P. O. Box 265 By J. B. Strong
Moab, Utah Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

* This footage location was changed because of an error and what was recorded 5-4-61.

COMPANY THE PURE OIL COMPANY

Well Name & No. 27-B-3

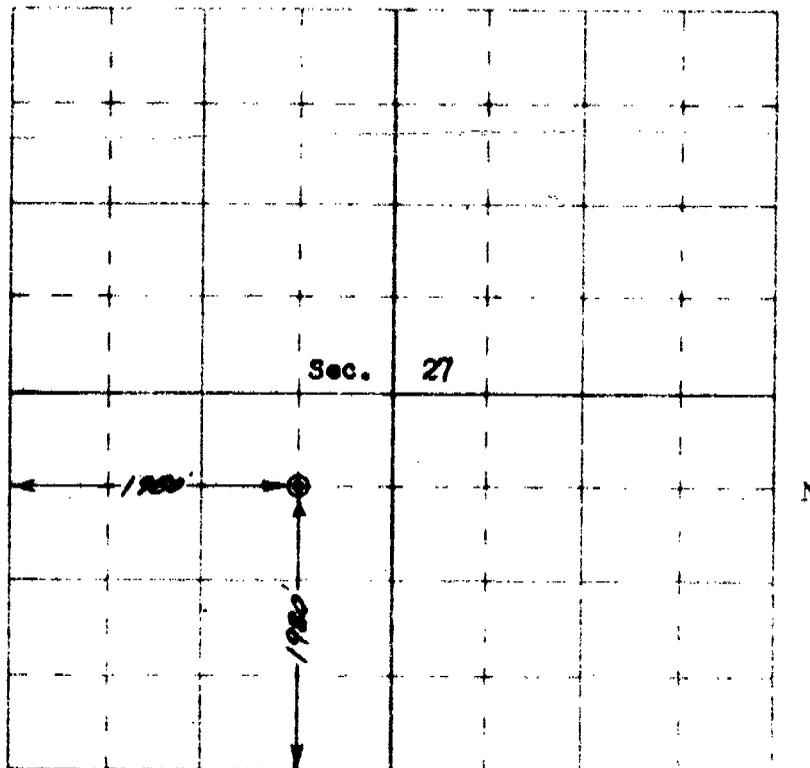
Lease No.

Location 1980' FROM THE SOUTH LINE & 1980' FROM THE WEST LINE

Being in center NE SW

Sec. 27 T 40 S, R 26 E, S.L.M., San Juan County, Utah

Ground Elevation 4963' ungraded ground

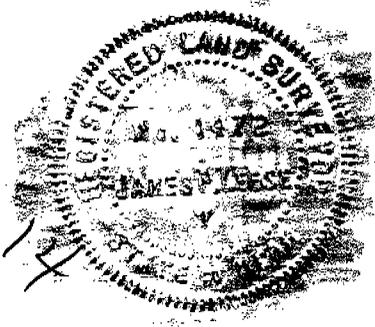


Scale 4 inches equals 1 mile

Surveyed 12 January

1961

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



James P. Leese

Registered Land Surveyor.
James P. Leese
Utah Reg. No. 1472

SAN JUAN ENGINEERING CO., FARMINGTON NEW MEXICO

~~January 17, 1981~~

The Pure Oil Company
P. O. Box 265
Moab, Utah

Attn: J. B. Strong, Dist. Chief Clerk

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. East Aneth 27-B3, which is to be located 1980 feet from the south line and 1980 feet from the west line of Section 27, Township 20 South, Range 26 East, 3LBM, San Juan County, Utah.

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

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:awg

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

H. L. Coonts - OGCC, Moab

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Window Rock, Arizona
TRIBE Navajo Tribal Tract 158
LEASE NO. 1420-01-205

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field East Aneth

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1961,

Agent's address P. O. Box 265 Company The Pure Oil Company
Moab, Utah Signed [Signature]

Phone Alpine 3-3581 Agent's title District Chief Clerk

SEC. AND 1/4 OF 34	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE 1/4 Sec. 27	40S	26E	27-21	29	9,396	45.2	8,785	-	None	Flowing.
G NE 1/4 Sec. 27	40S	26E	27-22	-0-						Location reports: 1960' FWL; 1960' FWL, G NE 1/4, Sec. 27, 40S, 26E, S.L.N., San Juan County, Utah. Ground elevation 4963'. Spudded 9:00 p.m. 1-16-61. Set 13-3/8" OD casing at 41' KB measurement with 50 sax regular cement with 2% calcium chloride. Drilled to 1455'. Set 9-5/8" OD casing at 1455' with 600 sax "Dianix" with 1% gel, followed with 100 sax regular cement with 2% calcium chloride. Cemented outside of casing with 300 sax regular cement with 2% calcium chloride. Drilled to 4558'.
NE 1/4 Sec. 28	40S	26E	28-21	-0-	-0-					Temporarily abandoned.

NOTE: Inasmuch as all wells produce into a common gathering system, it is impossible to accurately allocate oil and gas production by individual wells. The allocation of oil and gas production to the various wells is made on the basis of the latest individual well tests.

NOTE.—There were See Para 2-261 runs or sales of oil; no M. cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

any

Cap. 40 HC
Budget Bureau No. 42-R359.4
Approval expires 12-31-60.

18

Form 9-331 D
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-603-2055

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
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)

February 15, 19 61

East Aneth

Well No. 27-83 is located 1980 ft. from SE line and 1980 ft. from EW line of sec. 27

C NE SW, Sec. 27
(1/4 Sec. and Sec. No.)

LOS
(Twp.)

26E
(Range)

S.L.M.
(Meridian)

Aneth
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~drill pipe~~ ^{ground} above sea level is 4971 ft. (Corrected ground elevation)
KB elevation 4962 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)

DST No. 1, 5525'-5601', Middle Ismay. Tool open 2 hours with weak blow throughout. Recovered 170' of gas in drill pipe and 130' gas cut mud. Pressures: IH 3204, 30 minute ISI 2053, IF zero, FF 46, 45 minute FSI 1101, FH 3160.

DST No. 2, 5599'-5641', Middle Ismay. Tool open one hour. Opened with a weak blow, increased to strong blow in 5 minutes. Gas to surface in 10 minutes, estimated at 400 MCF/D. Remained steady throughout test. Recovered out an estimated 70' of drilling mud and 630', or approximately 9 bbls, clean oil. Oil cut mud, no water, below circulating sub. Pressures: IH 3348, 45 minute ISI 2179, IF 48, FF 95, 45 minute FSI 2100, FH 3325. Bottom Hole Temperature 131°.

DST No. 3, 5675'-5675'. Tool open one hour with weak blow throughout. Recovered 30' of drilling mud, no show, no water. Pressures: IH 3356, 45 minute ISI 2045, IF 50, FF 50, 45 minute FSI 1560, FH 3310.

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

Company The Pure Oil Company

Address P. O. Box 265

Heab, Utah

By J. B. Strong
J. B. Strong

Title District Chief Clerk

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-601-2055

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 WATER ACIDIZING	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

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

February 27, 1961

Well No. 27-23 is located 1960 ft. from XI line and 1960 ft. from XII line of sec. 27

C. NE SW, Sec. 27 40-8 26-E S.L.M.
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ~~surface~~ ^{ground} above sea level is 4971 ft.
KB elevation 4962 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)

Acidized through perforations 5544' - 5552' and 5676' - 5612' with a total of 10,000 gallons 15% low surface tension, non-emulsifying acid. (5,000 gallons to soak each set of perforations.) Snabbed well in.

2-20-61 - I.P. for Record, flowed 2½ hours on 20/64" choke, produced 300 bbls oil, no water, 507 MCF gas, GOR 1690, Tubing pressure 260 lbs, corrected gravity of oil 45.2.

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

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong
J. B. Strong

Title District Chief Clerk

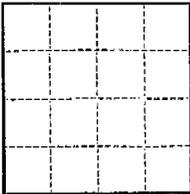
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 11-20-603-2055



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
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)

February 27, 19 61

East Ameth
Well No. 27-33 is located 1960 ft. from N line and 1960 ft. from W line of sec. 27

C NE SW, Sec. 27 10-3 26-E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ~~character~~ ^{ground} above sea level is 4971 ft.
KB elevation 4982 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)

TD 5723'

Set 5-1/2" OD 11# and 15.5# J-55 casing at 5711', cemented with 100 # regular cement and 100 # Latex.

Perforated 5-1/2" OD casing 5544' - 5552' and 5606' - 5612' with 6 shots per foot.

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

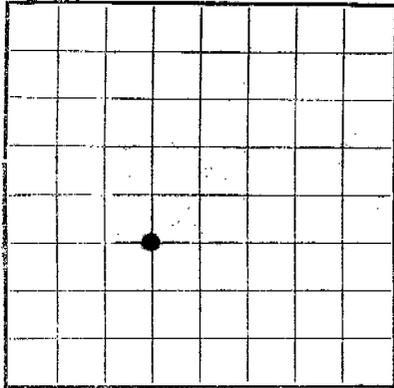
Company The Pure Oil Company

Address P. O. Box 265

Heard, Utah

By J. B. Strong
J. B. Strong
Title District Chief Clerk

Indian Agency: Navajo
~~Indebtedness~~
 SERIAL NUMBER 14-20-603-2055
 LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Pure Oil Company Address P.O. Box 265 - Moab, Utah
 Lessor or Tract U. S. Government Field Arath State Utah
 East Arath Well No. 27-83 Sec. 27 T. 10S R. 26E Meridian S.L.M. County San Juan
 Location 1980 ft. ¹⁹⁰⁰ N. of 8 Line and 1976 ft. ¹⁹⁷⁶ E. of 4 Line of C-12-S1, Sec. 27 Elevation
(Derriok 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 J. B. Strong Title District Chief Clerk

Date March 9, 1961

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

Commenced drilling January 15, 19 61 Finished drilling February 14, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5514 to 5552 No. 4, from to
 No. 2, from 5606 to 5612 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		Purpose
							From--	To--	
13-3/8"	54.5	8-R	NSS	41'	Coupling				Connected to surface.
9-5/8"	36.1	8-R	NSS	1165'	Float				
5-1/2"	14.5	8-R	NSS	5711'	Float				
							5514'	5552'	Production
							5606'	5612'	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	41'	50 sk	Halliburton		
9-5/8"	1165'	1000 sk	Halliburton		
5-1/2"	5711'	200 sk	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
 Adapters—Material Size

SHOOTING RECORD

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

FOLD MARK

TOOLS USED

Rotary tools were used from ~~440~~ feet to **5723** feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing **February 20,** 19**61**

The production for the first 24 hours was **300** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **15.2**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

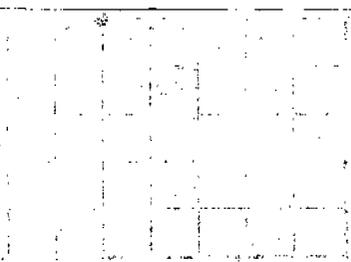
FROM-	TO-	TOTAL FEET	FORMATION
-0-	41'	41'	Surface sand and shale.
41'	3294'	3253'	Sand and shale.
3294'	3820'	526'	Dark Shale.
3820'	4082'	262'	Shale and sand.
4082'	4298'	216'	Shale.
4298'	4558'	260'	Shale and sand.
4558'	4619'	61'	Lime and shale.
4619'	4635'	16'	Chert and shale.
4635'	5555'	920'	Lime and shale.
5555'	5601'	46'	Core No. 1 - see reverse side.
5601'	5625'	24'	Core No. 2 - see reverse side.
5625'	5639'	14'	Core No. 3 - see reverse side.
5639'	5641'	2'	Core No. 4 - see reverse side.
5641'	5648'	7'	Lime.
5648'	5675'	27'	Core No. 5 - see reverse side.
5675'	5723'	48'	Shale and chert.
		5723'	TOTAL DEPTH

OVER

16-42094-4

19610 1244

AK



Indian Agency: Navajo

SERIAL NUMBER 14-20-603-2055

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
Core No. 1	5555'-5601'	Cut and Rec. 46'	
4'			Limestone, medium gray, fine xln, dense.
2'			Limestone as above with poor pin point porosity, good stain and odor.
4'			Dolomite, gray-brown, saccharic, no visible porosity, with good stain and odor and large anhydrite inclusions.
9'			Limestone, gray, fine xln, with fair vugular porosity, good stain and odor.
1'			Limestone, darkgray, very fine xln, dense.
8'			Dolomite, gray, earthy, no visible porosity, no show.
3'			Limestone, gray, fine xln, dense, with streaks of dolomitic limestone, gray to brown, fine xln, with fair pin point porosity, good stain and odor.
8'			Dolomite, gray-brown, earthy, good stain and odor, no visible porosity with streaks of limestone, gray-brown, fine xln, with fair vugular porosity, stain and odor.
3'			Dolomite, dark gray, earthy and shaly.
4'			Limestone, gray-brown, dolomitic, streaks of fair vugular porosity, stain and odor.

DST No. 1, 5525'-5601', Middle Ismy. Tool open 2 hrs with weak blow throughout. Recovered 170' of gas in drill pipe and 130' gas cut mud. Pressures: IH 320, 30 minute ISI 2053, IF zero, FF 46, 45 minute PSI 1101, FH 3160.

Core No. 2	5601'-5625'	Cut 24' Rec. 22'	
6'			Dolomitic limestone, medium gray, fine xln, anhydritic, little visible porosity, fair stain and odor.
8'			Limestone, gray, fine xln, very anhydritic, streaks of poor pin point porosity, spotty stain and fair odor.
5.5'			Dolomite, brown, earthy, no visible porosity, stain and odor.
2.5'			Shale, dark gray, calcareous.

Core No. 3	5625'-5639'	Cut and Rec. 14'	
2'			Shale, dark gray, calcareous.
5'			Limestone, dark gray, shaly.
4'			Limestone, medium gray, fine xln, scattered pin point porosity, highly fractured, bleeding oil and gas.
3'			Limestone, gray, fine xln, dense.

Core No. 4	5639'-5641'	Cut and Rec. 2'	
2'			Limestone, dark gray, fine xln, dense and very cherty.

DST No. 2, 5599'-5641', Middle Ismy. Tool open one hour. Opened with a weak blow, increased to strong blow in 5 minutes. Gas to surface in 10 minutes. Estimated at 400 MCF/D. Remained steady throughout test. Reversed out an estimated 70' of drilling mud and 630' or approximately 9 bbls clean oil. Oil cut mud, no water, below circulating sub. Pressures: IH 348, 45 minute ISI 2179, IF 48, FF 95, 45 minute PSI 2100, FH 325. Bottom Hole Temperature 131°.

Core No. 5 5648'-5675' Section Cut 27' Rec. 25'

- 3' - Limestone, dary gray, fine xln, dense and cherty.
- 13' - Dolomite, gray-brown, finely spongy, with very fine pin point porosity, odor on break, bleeding gas.
- 7' - Limestone, dark gray, fine xln, dense, anhydritic.
- 2' - Shale, black, calcareous.

DST No. 3, 5625'-5675'. Tool open one hour with weak blow throughout. Recovered 30' of drilling mud, no show, no water. Pressures: IH 3356, 45 minute ISI 2045, IP 50, FP 50, 45 minute PST 1560, PH 3310.

HISTORY OF OIL OR GAS WELL

16-48004-2 U. S. GOVERNMENT PRINTING OFFICE

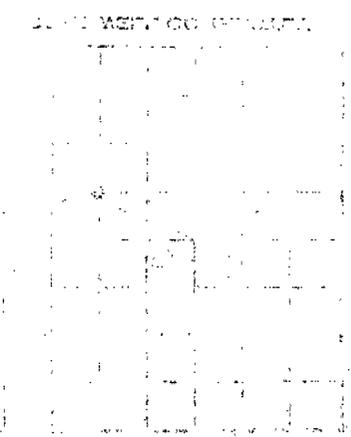
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its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

Perforated 5-1/2" OD casing 5544'-5552' and 5606'-5612' with six shots per foot.

Acidized perforations with a total of 10,000 gallons 15% low surface tension non-emulsifying acid, (5000 gallons to each set of perforations). Swabbed well in. Tested well 5 hours on 2 1/8" choke, flowed 85 barrels oil in 5 hours with 400 lbs flowing tubing pressure.

IMPORTANT MARKERS

- Hermosa 4580' (4 402')
- Paradox "A" 5197' (- 515')
- Paradox "A-1" 5630' (- 648')
- Paradox "B" 5681' (- 699')



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN REVERSE SIDE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2055

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Ismay-Flodine Park

8. FARM OR LEASE NAME

9. WELL NO.

T327

10. FIELD AND POOL, OR WILDCAT

Ismay

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

27, T40S, R26E, S1M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

TEXACO Inc.

3. ADDRESS OF OPERATOR

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

1980' from South and 1980' from West line

14. PERMIT NO.

-

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

4971' GR

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

Proposed remedial work is for the purpose of opening up additional Ismay pay and stimulate oil production by acidizing. Procedure for work will be as follows:

Perforate 5 1/2" casing from 5576' to 5582', 5586' to 5594' and 5617' to 5621' with two jet shots per foot. Treat perforations 5617' to 5621' with 500 gallons of 15% NE-HCL acid followed by 1000 gallons of 15% NE-CR-HCL acid. Treat perforations 5576' to 5594' in two stages with 1000 gallons of 15% NE-HCL acid and 2500 gallons of 15% NE-CR-HCL acid.

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

SIGNED

E.C. Hall

TITLE

District Accountant

DATE

4/2/66

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

THE PURE OIL COMPANY REVISED LOCATION REPORT

Date April 20, 1961

A.F.E. No. 4402

Division Northern Producing
(1/3 of 2402.40)

Prospect District Four Corners (E. Aneth)

Lease Navajo (14-20-603-2055)

Acres 800.80 Lease No. 7063

Elevation 4963 Gr. Well No. 27-B3 (Serial No.)

Quadrangle NE SW Sec. 27 Twp. 40S Rge. 26E

Bk. Dist. Twp.

Survey Salt Lake PM County San Juan State Utah

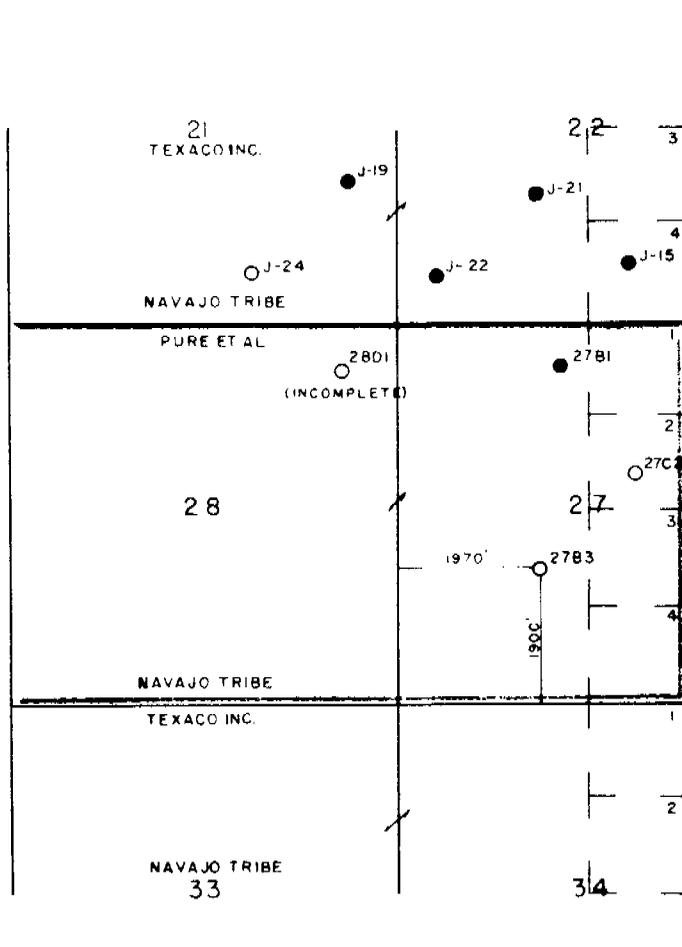
Operator The Pure Oil Company

Map-

<u>1900</u> Feet	<u>North</u> of the	<u>South</u> line of	<u>Section</u>
<u>1970</u> Feet	<u>East</u> of the	<u>West</u> line of	<u>Section</u>
Feet	of the	line of	
Feet	of the	line of	

LEGEND

- ☉ Gas Well
- Oil Well
- ☼ Gas-Distillate Well
- or ⊖ Dry Hole
- Location
- ⊗ Abandoned Location
- ☼ or ⊗ Abandoned Gas Well
- or ⊗ Abandoned Oil Well
- or ⊗ Input Well



Scale 2" = 1 MILE

Remarks: The Pure Oil Company (Operator) 33-1/3%
The Sun Oil Company 33-1/3%
The Ohio Oil Company 33-1/3%

Submitted by *R. F. ...*

Civil Engineer

Approved by

Division Manager

Approved by

Vice-President—General Manager

51

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2055

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Ismay-Flodine Park

8. FARM OR LEASE NAME

9. WELL NO.

T327

10. FIELD AND POOL, OR WILDCAT

Ismay

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

27, T40S, R26E, S1M

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

TEXACO Inc.

3. ADDRESS OF OPERATOR

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

1980' from South line and 1980' from West line

14. PERMIT NO.

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

4971' GR

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:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

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

(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 remedial work was for the purpose of opening up additional Ismay pay and stimulate oil production by acidizing.

Commenced workover 6-1-66.

Perforated 5-1/2" casing from 5576' to 5582', 5586' to 5594' and 5617' to 5621' with 2 jet shots per foot. Attempted to treat perforations from 5617' to 5621' with 500 gallons of 15% NE-HCL acid and 1,000 gallons of 15% NE-CR-HCL acid, formation failed to break down with 4500 psi. Reset packer and attempted to treat perforations again, but acid communicated to upper perforations. Again, reset packer and pumped acid into perforations 5606' to 5621'. Treating pressure was 2500 psi with an injection rate of 2 barrels per minute. Instant shut-in pressure was 2000 psi. Treated perforations 5576' to 5594' with 500 gallons of 15% NE-HCL acid and 1500 gallons of 15% NE-CR-HCL acid. After pumping 1600 gallons of acid, acid communicated to upper perforations. Reset packer and pumped in 500 gallons of salt gel plug. Acidized perforations 5544' to 5594' with 500 gallons of 15% NE-HCL acid and 1400 gallons of 15% NE-CR-HCL acid. Treating pressure was 3000 psi with an injection rate of 3.5 barrels per minute. Instant shut-in pressure was 2300 psi. On 24 hour test in 6-12-66, well pumped 90 barrels of 42° gravity oil and 9 barrels of wtr. Length of stroke 84" with 12 strokes per minute.

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

SIGNED

[Signature]

TITLE

District Superintendent

DATE

6/14/66

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

81
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 on a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)



1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
TEXACO, Inc.

3. ADDRESS OF OPERATOR
P.O. Box EE, Cortez, Colo. 81324

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1980' from South line and 1980' from West line.

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DE, BT, CR, etc.)
4971' GR

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-2055

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
Ismay Flodine Park Unit

8. FARM OR LEASE NAME
Ismay

9. WELL NO.
T327

10. FIELD AND POOL, OR WILDCAT
Ismay

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
S27-T40S-R26E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other) Convert To Water Inj.	<input checked="" type="checkbox"/>	(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.)*

In accordance with UOGCC Cause No. 104-1 of 12-16-65, TEXACO plans to convert well no. T327 from oil producing to water injection status as follows:

1. Pull rods and tubing.
2. Perforate 5620-24' and 5628-37' with 2 JSPF.
3. Acidize perforations with 2500 gallons 28% HCL.
4. Commence water injection.
5. Run radioactive tracer log after injection stabilizes.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: Sept 13, 1976
BY: P. L. Duncanson

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

SIGNED Alvin R. Many TITLE Field Foreman DATE 9-2-76*

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other in triplicate)
(Other in triplicate)
(Other in triplicate)

Form approved.
Ledger Bureau No. 42-R1424
5 LEASE DESIGNATION AND SERIAL NO.

14-20-603-2055-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

Navajo
7. UNIT AGREEMENT NAME
Ismay Flodine Park Unit
8. FARM OR LEASE NAME

9. WELL NO.
T327
10. FIELD AND POOL, OR WPCAT

Ismay
11. SEC., T., R., M., OR BLK. AND
SURVEY OR ABBA

S27-T40S-R26E
12. COUNTY OR PARISH 13. STATE
San Juan Utah

1. OIL WELL GAS WELL OTHER
2. NAME OF OPERATOR
TEXACO, Inc.
3. ADDRESS OF OPERATOR
P. O. Box EE, Cortez, Colo. 81321
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also page 17 (cont.))
At surface
1980' from South line and 1980' from West line.
14. PERMIT NO. 15. ELEVATIONS (Show whether DE, PT, GR, etc.)
4971' GR

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
FRACURE TREAT	MULTIPLE COMPLETE	FRACURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other) Convert To Water Inj.	<input checked="" type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Re-completion 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.)*

6-3-77. MIRUSU. Layed down rods, tbg, and pump. Perf. 5620 -
24', 5628' - 37'. Run plastic coated tbg. and packer.
Set packer at 5381'. Placed well on injection
Test: 412 BWIPD, 392# Tbg.

18. I hereby certify that the foregoing is true and correct
SIGNED Calvin B. Moore TITLE Field Foreman DATE 6-17-77
(This space for Federal or State office use)

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

*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 1-5)

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 I.F.P.U. - T.327 WELL
 SEC. 27 TWP. 40S RANGE 26E
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 <u>Ismay-Flodine Park</u>		Well No. <u>T 327</u>	Field <u>Ismay</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>NE 1/4 SW 1/4</u> Sec. <u>27</u> Twp. <u>40S</u> Rge. <u>26E</u>				
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>6-3-77</u>
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1080'</u>		Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Oil & Gas</u>
Location of IFPU Producing Wells and Injection Source(s) <u>3 Source wells</u>		Geologic Name(s) and Depth of Source(s) <u>Ismay +/- 5600</u> <u>Salt Wash, Entrada & Navajo</u> <u>490-1215</u>		
Geologic Name of Paradox-Ismay Injection Zone		Depth of Injection Interval <u>5544 to 5637</u>		
a. Top of the Perforated Interval: <u>5544</u>		b. Base of Fresh Water: <u>1080'</u>	c. Intervening Thickness (a minus b) <u>4464'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
Lithology of Intervening Zones <u>Sandstone, Limestone, Anhydrite w/intermittent shale layers</u>				
Injection Rates and Pressures Maximum _____ <u>500 B/D</u> <u>2300 PSI</u>				
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent				
<u>The Navajo Tribe</u>				
<u>Box 146</u>				
<u>Window Rock, Arizona 86515</u>				

State of Colorado) Alvin R. Marx Field Supt.
 County of Montezuma) Alvin R. Marx Applicant

Before me, the undersigned authority, on this day personally appeared Alvin R. Marx 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.

Subscribed and sworn to before me this 16th day of Dec., 19 83

My commission expires 10/25/87

John D. Royal
 Notary Public in and for Colorado

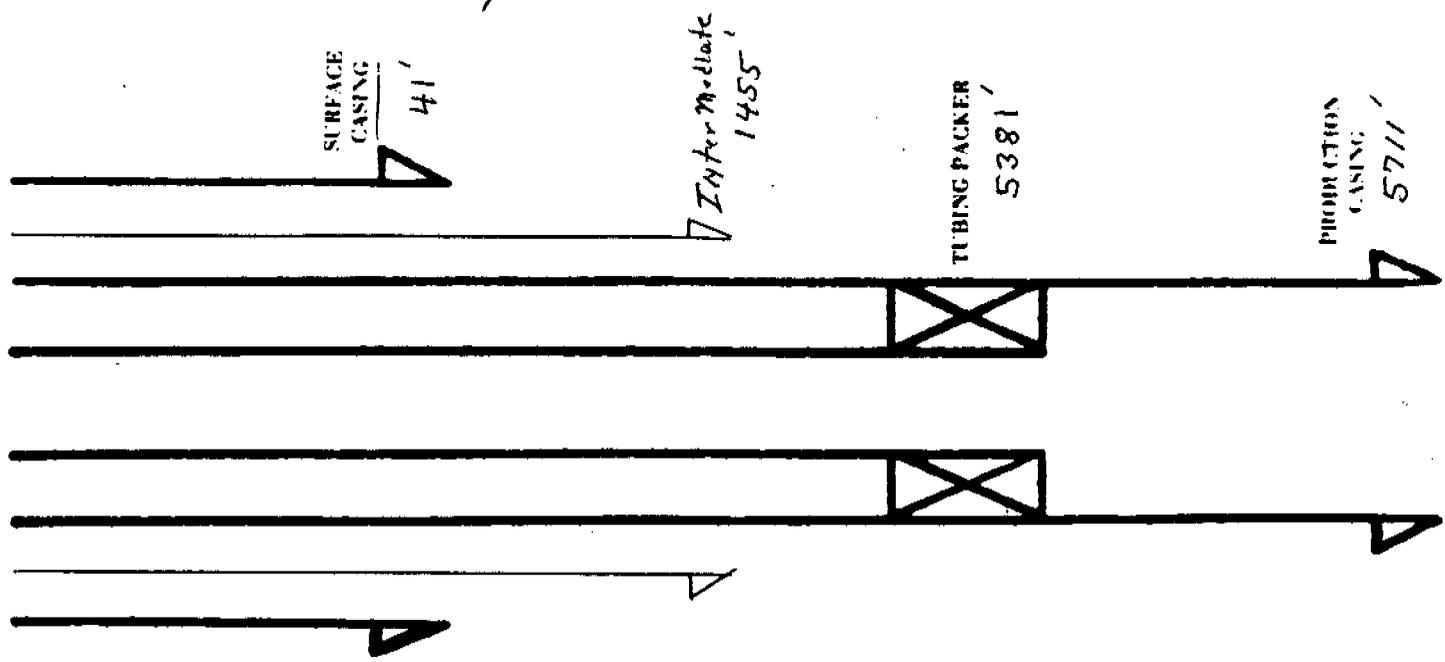
(OVER) 728 N. Beech, Cortez, Co. 81321

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 1/2 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 1/2 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	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	13 3/8"	41	50	NA	
Intermediate	9 5/8"	1455	1000	NA	
Production	5 1/2"	5711	100	NA	
Tubing	2 3/8"	5381	5 1/2"	Name - Type - Depth of Tubing Packer 5381	
Total Depth	Geologic Name - Inj. Zone		Depth - Top of Inj. Interval	Depth - Base of Inj. Interval	
5723	ISMAV		5544	5637	

SKETCH - SUB-SURFACE FACILITY



PLEASE TYPE OR USE BLACK INK ONLY

(To be filed within 30 days after drilling is completed) 14-20-603-2053

COMPLETION & TEST DATA BY PRODUCING FORMATION

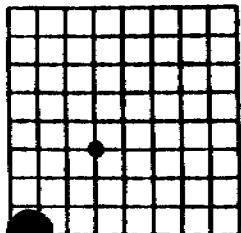
DEPARTMENT OF NATURAL RESOURCES AND ENERGY

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

COUNTY
LEASE NO.

API NO

800 Acres



Letters Used Correctly
and Outline Letters

COUNTY San SEC 27 TWP. 40S ROE. 26 E
COMPANY OPERATING Juan Texaco Inc.
OFFICE ADDRESS P. O. Box EE
TOWN Cortez STATE ZIP Colo 81321
FARM NAME Ismay-Flodine WELL NO. T 327
DRILLING STARTED April 19 61 DRILLING FINISHED Feb 19 61
DATE OF FIRST PRODUCTION _____ COMPLETED 2-20-61
WELL LOCATED N NE 1/4 SW 1/4
1980 FT. FROM SE OF @ SEC. & 1980 FT. FROM WL OF @ SEC.
ELEVATION DERRICK FLOOR 4971 GROUND 4960

TYPE COMPLETION

Single Zone ISMAY Order No. NA
Multiple Zone _____ Order No. _____
Coningled _____ Order No. _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
<u>ISMAY</u>	<u>5544</u>	<u>5637</u>			

CASING & CEMENT

Casing Set				Ceg. Test		Cement	
Size	Wgt	Grade	Foot	Pal	Set	Fillup	Top
<u>13 7/8"</u>	<u>48</u>		<u>41</u>		<u>50</u>		
<u>9 5/8"</u>	<u>24</u>		<u>1455</u>		<u>1000</u>		
<u>5 1/2"</u>	<u>14-15.5</u>		<u>5711</u>		<u>100</u>		

TOTAL DEPTH 5723

PACKERS SET
DEPTH 5381

FORMATION	1	2	3
FORMATION	<u>Ismay</u>	<u>Ismay</u>	<u>ISMAY</u>
SPACING & SPACING ORDER NO.	<u>80 acre</u>		
CLASSIFICATION (Oil; Gas; Dry; Inj. Well)	<u>OIL</u>	<u>OIL</u>	<u>6-3-77</u> <u>CONV TO WI</u>
PERFORATED	<u>5544-5552</u>	<u>5576-82</u>	<u>5620-24</u>
INTERVALS	<u>5606-5612</u>	<u>5586-44</u>	<u>5628-37</u>
		<u>5617-21</u>	
ACIDIZED?	<u>10,000 gal 15%</u>	<u>4900 gal 15%</u>	<u>2500 gal 28%</u>
FRACTURE TREATED?			

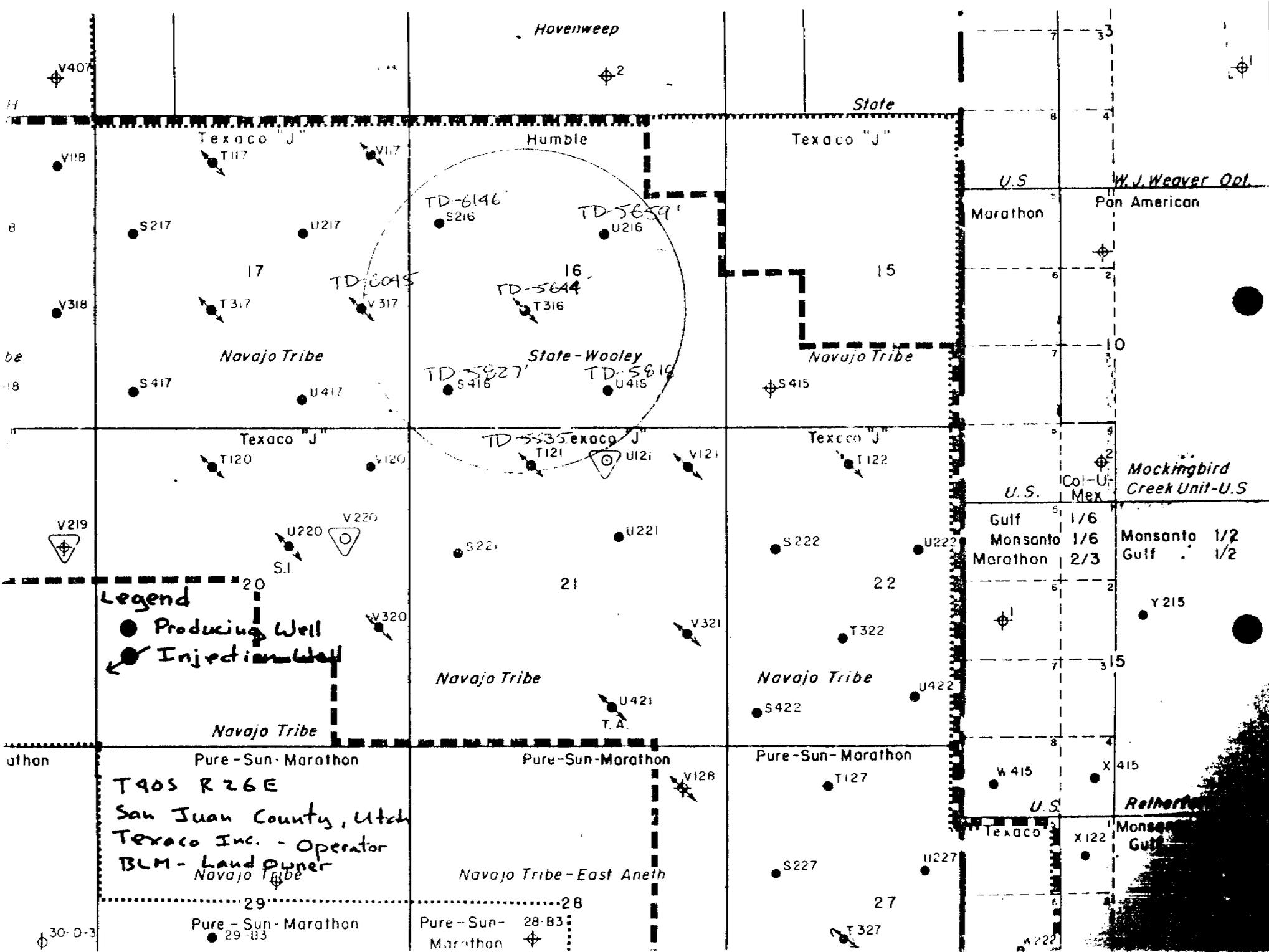
INITIAL TEST DATA

Date	<u>2-20-61</u>	<u>6-12-66</u>	<u>6-3-77</u>
Oil. bbl./day	<u>300 BOPD</u>	<u>90 BOPD</u>	
Oil Gravity	<u>45.2</u>	<u>42.0</u>	
Gas. Cu. Ft./day			
Gas-Oil Ratio Cu. Ft./Bbl.	<u>1690</u>		
Water-Bbl./day	<u>0-BWPD</u>	<u>9-BWPD</u>	<u>412 BWEPD</u>
Pumping or Flowing	<u>Flowing</u>	<u>Pumping</u>	<u>Injecting</u>
CHOKE SIZE	<u>20/64</u>		
FLOW TUBING PRESSURE			<u>392 psi</u>

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 1-303-565-8401 Oliver R. Martz Field Supt
State of Colorado
County of Montezuma
Subscribed and sworn before me this 16th day of December, 1983
My Commission expires for D. Roybal / for B. Roybal
10/25/87
728 N. Beach, Cortez, Co. 8132



Havenweep

State

Texaco "J"

Humble

Texaco "J"

U.S.

W.J. Weaver Opt.

Pan American

Marathon

Navajo Tribe

Navajo Tribe

State-Wooley

Texaco "J"

Texaco "J"

Texaco "J"

U.S.

Col-U-Mex

Mockingbird Creek Unit-U.S.

Gulf 1/6
Monsanto 1/6
Marathon 2/3

Monsanto 1/2
Gulf 1/2

Legend

- Producing Well
- ⚡ Injection Well

Navajo Tribe

Navajo Tribe

Navajo Tribe

Pure-Sun-Marathon

Pure-Sun-Marathon

Pure-Sun-Marathon

U.S.

Reliance

TEXACO

Monsanto
Gulf

T905 R26E
San Juan County, Utah
Texaco Inc. - Operator
BLM - Landowner
Navajo Tribe

Navajo Tribe-East Aneth

Pure-Sun-Marathon

Pure-Sun-Marathon

27

30-D-3

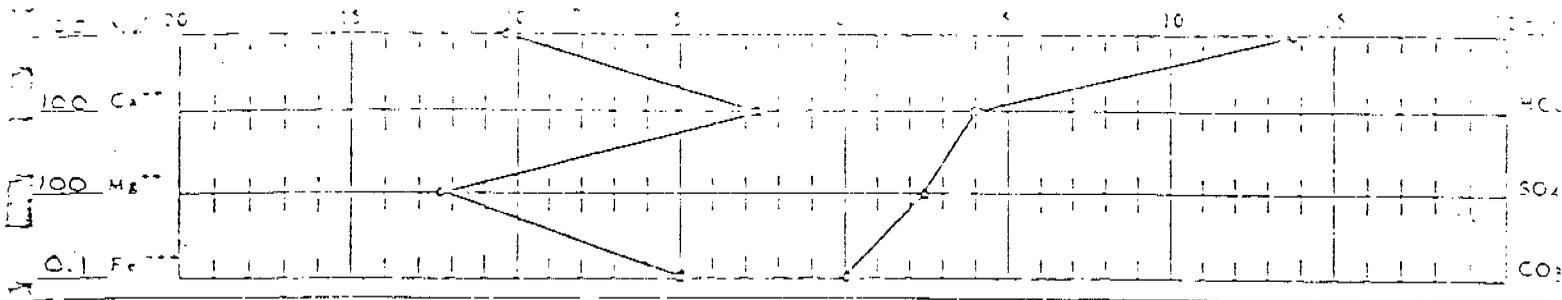
NL Treating Chemicals/NL Industries, Inc.

P.O. Box 1675, Houston, Texas 77001

WATER ANALYSIS REPORT

COMPANY TEXACO, INCORPORATED			SHEET NUMBER 1		
DATE 5 APRIL 1982			FIELD ANETH		
COUNTY OR PARISH SAN JUAN			STATE UTAH		
WELL'S NAME OR NO. ANETH		WATER SOURCE (FORMATION) INJECTION WATER			
DEPT. NO.	WELL DEPTH	SAMPLE SOURCE PLANT	TEMP. F	WATER FLOW (GAL)	OIL FLOW (GAL)
DATE SAMPLED 6 APRIL 1982	TYPE OF WATER <input type="checkbox"/> PRODUCED <input checked="" type="checkbox"/> SUPPLY <input checked="" type="checkbox"/> WATERFLOODED <input type="checkbox"/> SALT WATER				

WATER ANALYSIS PATTERN
NUMBER ABOVE EACH SYMBOL INDICATES PERCENT SCALE UNIT



DISSOLVED SOLIDS

CATIONS	me/l*	me/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 ⁻	1360.3	29000.0
Sulfate, SO ₄ ⁻²	24.5	1175.0
Carbonate, CO ₃ ⁻²	0.0	0.0
Bicarbonate, HCO ₃ ⁻	4.0	224.0
Hydroxyl, OH ⁻	0.0	0.0
Sulfide, S ⁻²	18.8	300.0

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	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.
Total Hardness (DU Units)	N.D.
Total Dissolved Solids (calc.)	61385.7 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/l

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide Iron Oxide Calcium Carbonate Acid Insoluble

REMARKS AND RECOMMENDATIONS:

WATER SHOWS A TENDENCY TOWARD SCALING; PRIMARILY CALCIUM CARBONATE

* NOTE: me/l and mg/l are comm used interchangeably for epm and respectively. Where epm and ppm used, corrections should be mod specific gravity.

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

TEXACO

INSTRUCTIONS - CANCELS LETTERS OF _____ SIGNED BY _____
 PERMANENT ROUTINE TEMPORARY

(LOCATION) _____ (DATE) _____ 19__
Subject: Water Analysis from Navajo Aquifer

Aneth Unit # H415
Location - SE 1/4 - SE 1/4 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 - SW 1/4 - SE 1/4 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, CO 80201 By _____

Utah Division of Oil, Gas, and Mining
Casing - Bradenhead Test

Operator: **TEXACO INC.** Field/Unit: ISMAY
 Well: **T-327** Township: 40S Range: 26E Sect: 27
 API: **43-037-16233** Welltype: INJW Max Pressure: 2300
 Lease type: **INDIAN** Surface Owner: NAVAJO
 Last MIT Date: **06/03/77** Witness: **F** Test Date: **9/13/88**
 10:10

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
Surface:	133/8	41		
Intermediate:	9 5/8	1455	750	
Production:	5 1/2	5711	0	
Other:		0		
Tubing:	2 3/8		600	
Packer:		5381		

Recommendations: *Comments*

Well head union was observed leaking during inspection 12/10/86,
 pumpjack was notified and said would fix the next day.

WELL

T-327

OPERATOR

TEXACO

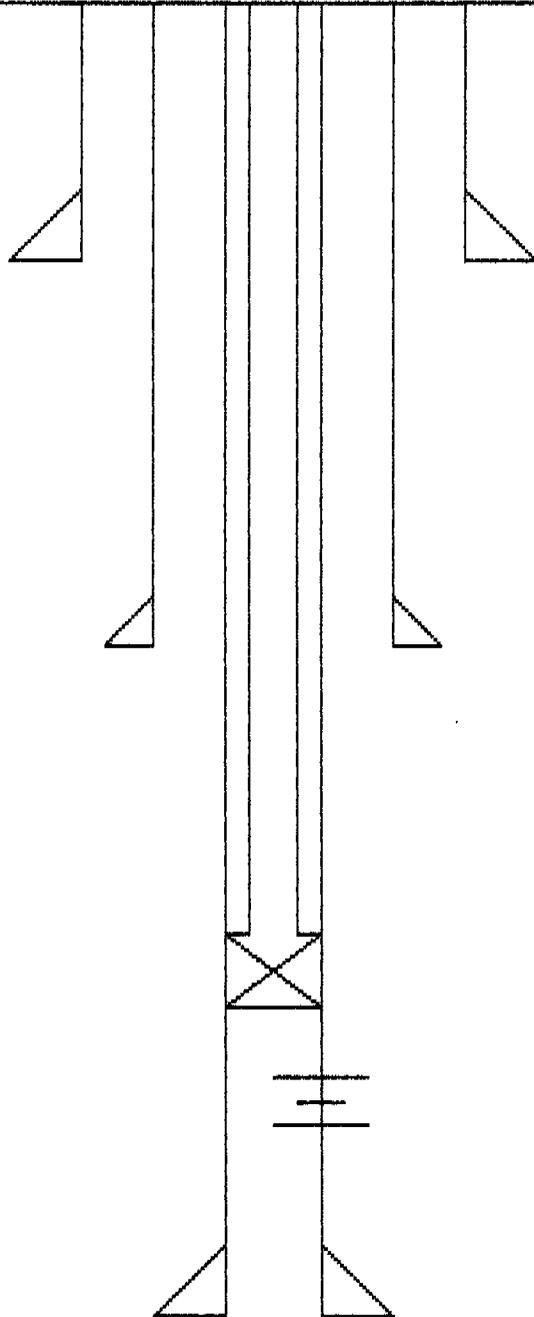
LOCATION

27-40S-26E

COMMENTS

COUNTY

SAN JUAN



13 3/8 @ 41'

9 5/8 @ 1455
2 3/8 TUBING
PACKER AT 5381'

5 1/2 @ 5711 PERFS AT
5544-5637

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Jepico Well No. Gray Flodine Park T327
 County: San Juan T 40S R 26E Sec. 27 API# 43-037-16233
 New Well Conversion Disposal Well Enhanced Recovery Well

	YES	NO
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fluid Source	<u>Gray</u>	
Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>81385</u>
Analysis of Water in Formation to be injected into	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>81385</u>
Known USDW in area	<u>Manzano</u>	Depth <u>1080</u>
Number of wells in area of review	Prod. <input type="checkbox"/>	P&A <input type="checkbox"/>
	Water <input type="checkbox"/>	Inj. <input type="checkbox"/>
Aquifer Exemption	Yes <input checked="" type="checkbox"/> NA <input type="checkbox"/>	
Mechanical Integrity Test	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Date <input type="checkbox"/>	Type <input type="checkbox"/>

Comments: _____

Reviewed by: 



Texaco

T-327 40S 26E Sec 27

RECEIVED
JUL 06 1987

DIVISION OF
OIL, GAS & MINING

TEXACO INC.
P. O. BOX EE
Cortez, CO. 81321
June 30, 1987

Mr. Gil Hunt
UIC Manager
State of Utah Natural Resources
355 W. North Temple Suite 350
Salt Lake City, Utah 84180

Dear Mr. Hunt,

In response to your attached letter dated June 12, 1987, Texaco is aware that some of our injection wells at our Aneth Unit and our Ismay Flodine Park Unit have revealed probable tubing and/or packer leaks. Texaco does not feel that casing leaks have developed since the casing and tubing pressure are the same. The casing pressure would be substantially less if a casing leak were present.

Texaco is presently attempting to perform 3 to 4 UIC repairs per month depending on manpower and budget. A well with a suspected casing leak is immediately shut in to prevent any possible environmental contamination. Our plans for the remainder of 1987 are to continue to repair several wells per month until all wells experiencing annulus pressure are repaired. Please note that Aneth Unit F222, H222 and H410 were worked on and repaired in June 1987. The IFPU V220 should be corrected to U220.

Texaco realizes the importance of maintaining the integrity of our injection wells. We will continue to work toward eliminating all wells with mechanical problems and attempt to identify on going failures in a timely manner. Texaco appreciates your cooperation regarding this matter and will continue to work closely with your department in correcting any inadequacies.

Please contact the Cortez office if you have any question regarding this matter.

Sincerely,

Alan A. Kleier

Attachment

cc: LAA
file



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

June 12, 1987

CERTIFIED RETURN RECEIPT REQUESTED
 POOL 861 910

Texaco, Incorporated
 Post Office Box EE
 Cortez, Colorado 81321

Attn: A.A. Kleier

Gentlemen:

RE: Mechanical Integrity of Injection Wells in the Ismay-Flodine Park and Aneth Units

Recent field work and monthly reports have revealed probable tubing, packer and/or casing leaks in several injection wells located in the subject units. The following wells appear to have excessive casing pressure:

ANETH UNIT

B-312
 C-124
 E-413
 F-222
 F-422
 G-120
 G-136
 H-222
 H-227
 H-410
 H-427
 F-423

ISMAY-FLODINE PARK UNIT

T-121
 T-316
 T-327
 V-220
 T-120

Please submit written notice of Texaco's efforts to maintain proper mechanical integrity in these wells, include an evaluation of existing conditions, and future plans and schedules for corrective actions.

Page 2
June 12, 1987
A.A. Kleier

Thank you for your continued cooperation. If you have any questions regarding this request or the operation of Class II injection wells in Utah, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt", with a long horizontal flourish extending to the right.

Gil Hunt
UIC Manager

mfp
0134U/77

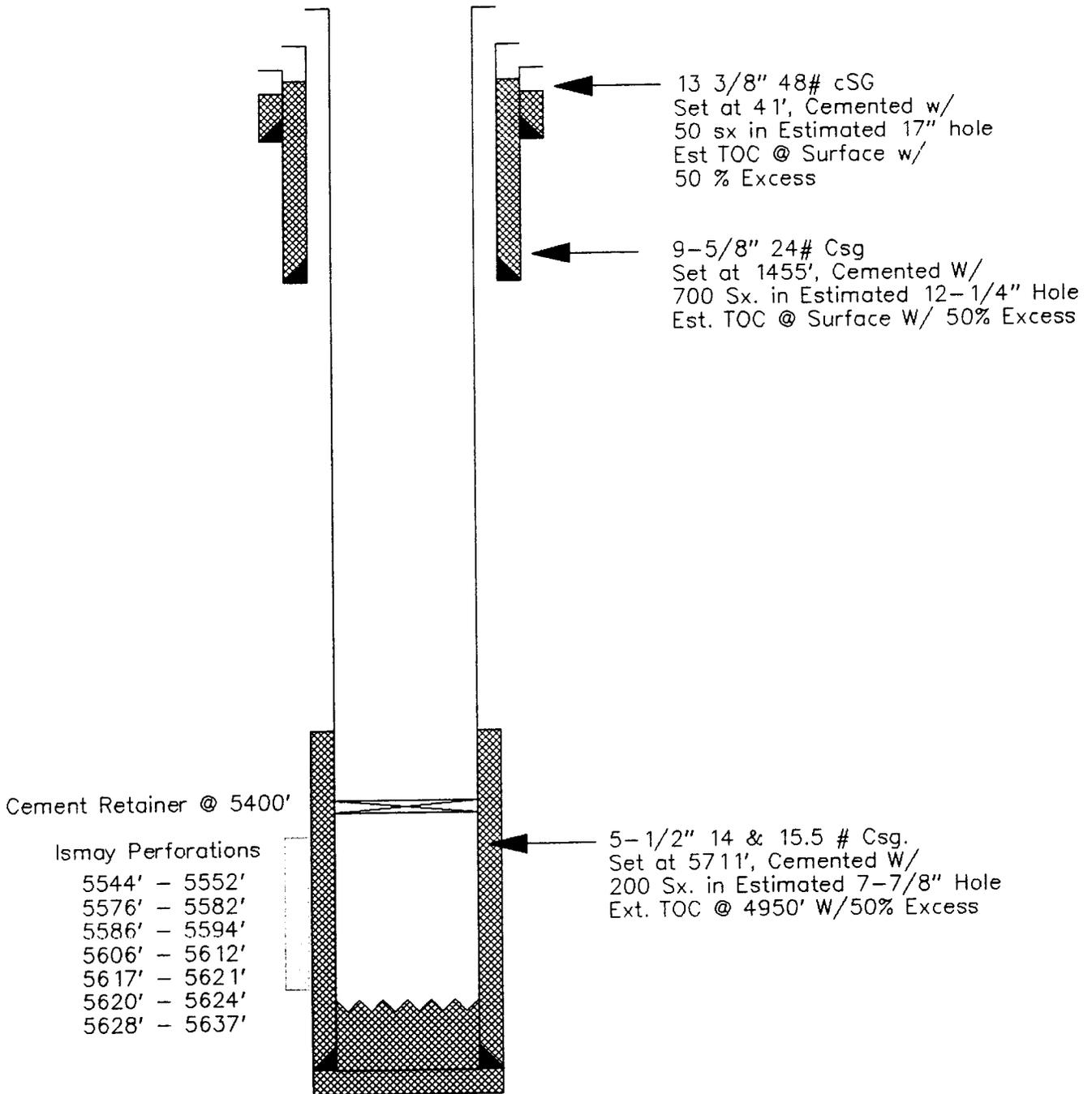
ATTACHMENT

ISMAY - FLODINE PARK UNIT # T327
PLUGGING PROCEDURE

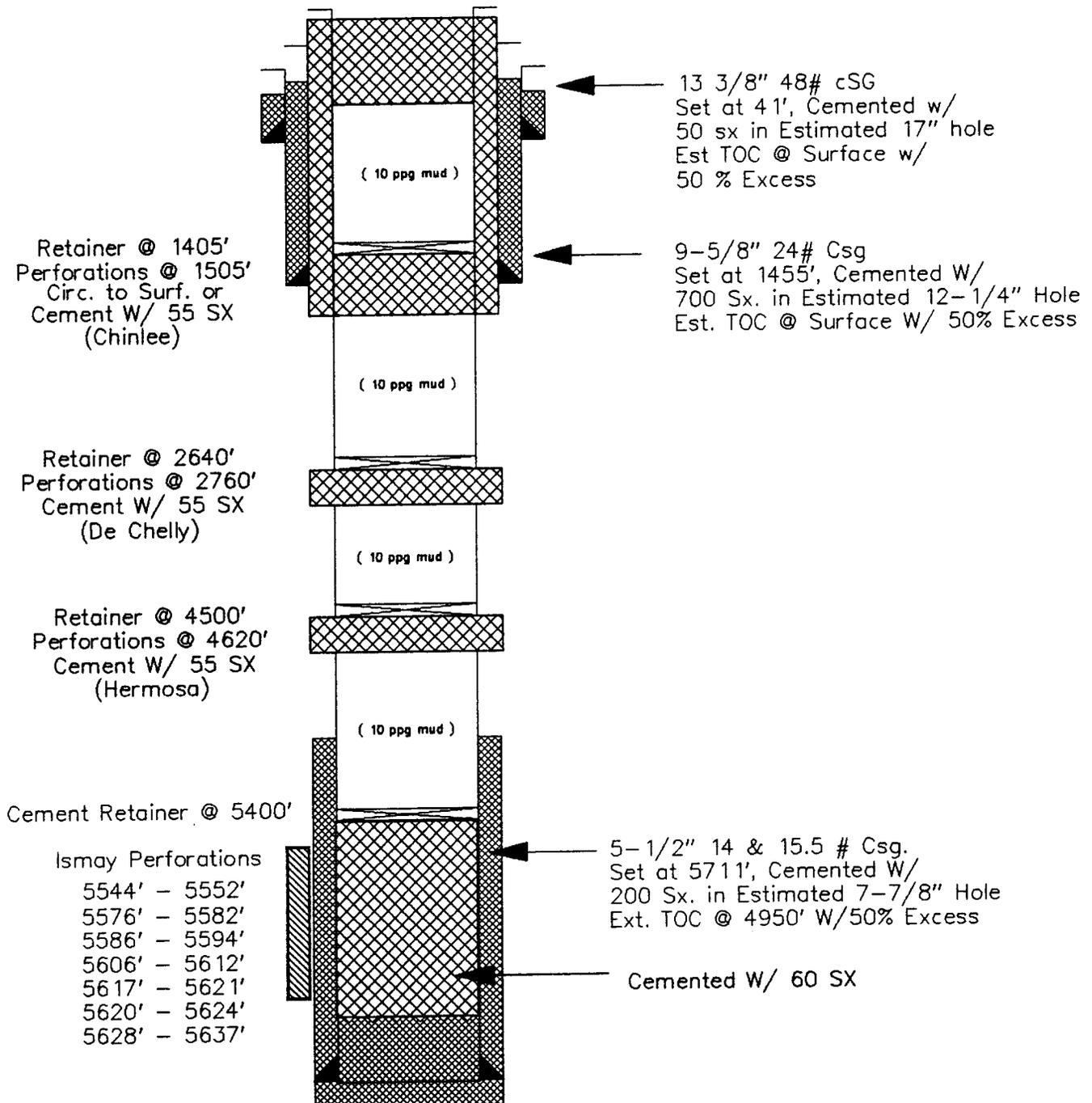
- 1) MIRU pulling unit, install BOP W/ 2-3/8" pipe rams and blind rams. TIH W/ stinger for cement retainer on 2-3/8" tubing; sting into retainer at 5400'.
- 2) Pump 60 sx API Class B neat cement (5.2 gal water/sx, 1.18 Cu Ft./sx) down tubing. Flush tubing with 20 Bbls 10 ppg mud. Pull out of retainer and pump 5 Bbls 10 ppg mud and TOH W/ tubing.
- 3) Rig up wireline and shoot 2 squeeze holes at 4620' (Hermosa). RIH W/ wireline set Cement Ret. and set at 4500'. RIH W/ tubing and sting into retainer. Open 9-5/8" to 5-1/5" casing valve. Pump down tubing and attempt to break circulation. Pump 55 sx class B cement down tubing; flush tubing with 17 Bbls 10 ppg mud. Pull out of retainer and pump 30 Bbl 10 ppg mud. TOH W/ tubing.
- 4) Shoot 2 squeeze holes at 2760' (De Chelly). Follow step 3) except set retainer at 2640' and flush tubing with 10 Bbls 10 ppg mud. Pull out of retainer and pump 17 Bbls 10 ppg mud.
- 5) Shoot 2 squeeze holes at 1505'. Set cement retainer at 1405' and try to establish circulation. If established, bring cement to surface; otherwise pump 55 sx. Flush tubing with 5 Bbls 10 ppg mud. Pull up out of retainer and pump 28 Bbls 10 ppg mud.
- 6) Spot 50' surface plug (7 sx) in 5-1/2" casing, cut off wellhead, erect marker, remove injection line and deadmen, and clean location.

10 ppg mud = 1 sx Barite / bbl fresh water, Yield =
1.06

TEXACO INC.
 ISMAY-FLODINE PARK UNIT T327
 PRESENT CONDITION



TEXACO INC.
ISMAY-FLODINE PARK UNIT T327
 AT ABANDONMENT



PBTD 5672'

RECEIVED

MAY 28 1991

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached Listing DIVISION OF
OIL GAS & MINING
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 *Neil Hunt* Title VIC Manager
Approval Date 6-26-91



Texaco Exploration and Production Inc
Midland Producing Division

P O Box 3109
Midland TX 79702-3109

May 22, 1991

RECEIVED

MAY 28 1991

DIVISION OF
OIL GAS & MINING

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
Assistant Division Manager

RKH/KMM-CC

Attachments

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

SUBJECT IN TRIPlicate
(Instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Texaco Exploration and Production Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 46510, Denver, CO 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether of, ft., or, etc.)		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH 13. STATE

RECEIVED
MAY 28 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Transfer of Plugging Bond	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) Transfer of Owner/Operator	<input type="checkbox"/>

(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, 1991, 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 _____
CERTIFICATE OF APPROVAL IF ANY:

STATE 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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> 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 : County : QQ, Sec. T., R., M. : See Attached State : UTAH		

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

<p>NOTICE OF INTENT (Submit in Duplicate)</p> <p><input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input checked="" type="checkbox"/> Other <u>Transfer of Plugging Bond</u></p> <p>Approximate Date Work Will Start _____</p>	<p>SUBSEQUENT REPORT (Submit Original Form Only)</p> <p><input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input checked="" type="checkbox"/> Other <u>Change of Operator/Operator Name</u></p> <p>Date of Work Completion _____</p> <p>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.</p>
--	--

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.	NEW OPERATOR: TEXACO EXPLORATION AND PRODUCTION INC.
SIGNED: <u><i>R. V. Lane</i></u> Attorney-in-Fact	SIGNED: <u><i>R. V. Lane</i></u> Assistant Division Manager
DATE: _____	DATE: _____

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

Name & Signature _____	Title <u>Asst. Div. Manager</u> Date _____
(State Use Only)	

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 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. FROM (former operator) TEXACO INC.
 (address) 3300 NORTH BUTLER (address) 3300 NORTH BUTLER
FARMINGTON, NM 87401 FARMINGTON, NM 87401
BRENT HELQUIST FRANK
 phone (505) 325-4397 phone (505) 325-4397
 account no. N 5700 (6-5-91) account no. N 0980

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

Name: <u>(SEE ATTACHED)</u>	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (5-28-91)
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
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.
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.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (6-11-91)
6. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above. (will update when filing)
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

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) yes. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____. # m157448 80,000-Ins. Co. of N. America

OPERATOR 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

MICROFILMING

1. All attachments to this form have been microfilmed. Date: July 15 1991.

FILED

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.

REMARKS

- 910606 Btm/Farmington N.M. - Duane Spences (505) 327-5344 will follow up & call back.
- 910607 Btm/Farmington - Approved 4-2-91 "Company Merger" Includes Aneth Unit and Ismay Flodine Unit.
- 910607 St. Yends approved 4-15-91 "merger".

ACCT NUM	COMPANY NAME	FLD NUM	FIELD NAME	TOWN SHIP	RANGE	SEC	QTR QTR	API NUMBER	PROD ZONE	WELL STATUS	ENTITY	WELL NAME
NO980	TEXACO INC	365	GREATER ANETH	S400	E240	24	NWSE	4303716111	PRDX	WIW	99990	NAVAJO TRIBE C-15 (ANETH)
								4303716331	PRDX	WIW	99990	NAVAJO TRIBE C-28 (ANETH)
								4303716315	DSCR	PA	99998	NAVAJO TRIBE C-26 (ANETH)
								4303716124	PRDX	WIW	99990	NAVAJO TRIBE C-11 (ANETH)
								4303716301	PRDX	WIW	99990	NAVAJO TRIBE C-32 (ANETH)
								4303716129	PRDX	WIW	99990	NAVAJO TRIBE C-24 (ANETH)
								4303716053	PRDX	WIW	99990	NAVAJO TRIBE C-14 (ANETH)
								4303716070	PRDX	WIW	99990	NAVAJO TRIBE C-21 (ANETH)
								4303716095	HRMS	WIW	99990	NAVAJO TRIBE C-6 (ANETH)
								4303716290	PRDX	WIW	99990	NAVAJO TRIBE C-23 (ANETH)
								4303716302	PRDX	WIW	99990	NAVAJO TRIBE C-4 (ANETH)
								4303716054	PRDX	WIW	99990	NAVAJO TRIBE C-29 (ANETH)
								4303730372	DSCR	WIW	99990	ANETH G-126X
								4303716332	PRDX	WIW	99990	NAVAJO TRIBE C-31 (ANETH)
								4303716113	PRDX	WIW	99990	NAVAJO TRIBE C-27 (ANETH)
								4303716316	PRDX	WIW	99990	NAVAJO TRIBE C-19 (ANETH)
								4303716333	PRDX	WIW	99990	ANETH 27-D-4 (ANETH H-427)
								4303716782	PRDX	WIW	99990	ANETH 27-A-1 (ANETH E-127)
								4303716317	PRDX	WIW	99990	ANETH 27-D2 (ANETH H-227)
								4303716307	PRDX	WIW	99990	ANETH 27-C-1 (ANETH G-127)
								4303716228	PRDX	WIW	99990	ANETH H-228
								4303716291	PRDX	WIW	99990	ANETH A-28-B-2 (ANETH F-2)
								4303716462	PRDX	WIW	99990	STATE WOOLLEY #4 (T-316)
								4303716456	ISMY	WIW	99990	NAVAJO TRIBE J-23 (T-117)
								4303716463	HRMS	WIW	99990	NAVAJO TRIBE J-10 (T-317)
								4303716188	HRMS	WIW	99990	NAVAJO TRIBE J-5 (V-117)
								4303716192	HRMS	WIW	99990	NAVAJO TRIBE J-2 (V-317)
								4303716457	ISMY	WIW	99990	NAVAJO TRIBE K-3 (T-118)
								4303716458	ISMY	WIW	99990	NAVAJO TRIBE K-9 (T-119)
								4303716191	ISMY	WIW	99990	NAVAJO TRIBE J-7 (V-121)
								4303716460	HRMS	WIW	99990	NAVAJO TRIBE J-4 (T-121)
								4303711267	ISMY	WIW	99990	NAVAJO TRIBE J-24 (U-421)
								4303716194	ISMY	WIW	99990	NAVAJO TRIBE J-19 (V-321)
								4303716461	ISMY	PA	99998	NAVAJO TRIBE J-20 (T-122)
								4303716232	PRDX	PA	99998	EAST ANETH 27-B1 (T-127)
								4303716233	PRDX	WIW	99990	EAST ANETH 27-B3 (T-327)
								4303716466	PRDX	PA	99998	EAST ANETH 28-D1 (V-128)
								4303730112	DSCR	WIW	99990	ANETH UNIT C-312
								4303716272	DSCR	WIW	99990	BURTON 23-12 (ANETH B312)
								4303716274	DSCR	WIW	99990	BURTON 31-12 (ANETH C-112)
								4303730299	DSCR	WIW	99990	ANETH UNIT A-313
								4303715825	IS-DC	WIW	99990	BURTON 22-13 (ANETH B-213)
								4303730119	DSCR	WIW	99990	ANETH UNIT A-113
								4303715827	IS-DC	WIW	99990	BURTON 31-13 (ANETH C-113)
								4303715828	PRDX	WIW	99990	BURTON 33-13 (ANETH C-313)
4303730297	DSCR	WIW	99990	ANETH B-413								
4303716279	PRDX	WIW	99990	BURTON 44-13 (ANETH D-413)								
365	GREATER ANETH	S400	E230	12	NWSE	13	NWSE	4303730112	DSCR	WIW	99990	ANETH UNIT C-312
								4303716272	DSCR	WIW	99990	BURTON 23-12 (ANETH B312)
								4303716274	DSCR	WIW	99990	BURTON 31-12 (ANETH C-112)
								4303730299	DSCR	WIW	99990	ANETH UNIT A-313
								4303715825	IS-DC	WIW	99990	BURTON 22-13 (ANETH B-213)
								4303730119	DSCR	WIW	99990	ANETH UNIT A-113
								4303715827	IS-DC	WIW	99990	BURTON 31-13 (ANETH C-113)
								4303715828	PRDX	WIW	99990	BURTON 33-13 (ANETH C-313)
								4303730297	DSCR	WIW	99990	ANETH B-413
								4303716279	PRDX	WIW	99990	BURTON 44-13 (ANETH D-413)

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

~~XXX~~ Well File E ANETH 27-B3(T-327)
(Location) Sec 27 Twp 40S Rng 26E
(API No.) 43-037-16233

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

Other

1. Date of Phone Call: 12-4-95 Time: 3:30

2. DOGM Employee (name) L. CORDOVA *yc* (Initiated Call ~~XXX~~
Talked to:
Name JEAN/INFO SPEC. (Initiated Call - Phone No. (505) 325-0318
of (Company/Organization) APACHE CORPORATION/N5040

3. Topic of Conversation: REQ SUBSEQUENT RPT "PA PROCEDURES"

4. Highlights of Conversation: _____

APACHE DOES NOT HAVE A FILE FOR THIS WELL; TEXACO DID NOT TURN FILE OVER WHEN
TEXACO RESIGNED AS OPERATOR OF "ISMAY FLODINE PARK UNIT"; YET CLAIM THAT THEY
DID WHEN APACHE ASSUMED OPERATIONS OF THE UNIT/3-1-95:
*BIA & BLM CONSIDER WELL PA'D (AS PER INSP) BUT DO NOT HAVE A SUB PA "SUNDRY":
*CHG FR WIW TO PA PER UIC: