

FILE NOTATIONS

Entered in NID File

Entered on S/W Sheet

Location Map Pinned

Cost Lettered

IWT

Checked by Chief

Copy NID to Field Office

Approval Letter

Approval

Date 12-15-56

City X

County PA

LOGS FILED

Electric Log 1-14-57

Electric Logs (ils.) 1

E. 1

E-I

GR

GR-N

Micro

Lat.

M-L

Sonic

Others

Radioactivity Log

3-27-62. This well is classified as a water injection well
is now shut in waiting on water injection line.
Started injecting w/o of April 1962

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A. or operations suspended 12-15-56

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
NOTICE OF INTENTION TO DRILL

Lease No1 146028

Navajo Indian Tribal Lands "C" Lease

OIL AND GAS CONSERVATION COMMISSION

Fort Worth, Texas, Oct. 15, 19 56

In compliance with Rule C-4, notice is hereby given that it is our intention to commence the work of drilling Well No. 5, which is located 660 ft from ^(N) () line and 740 ft. from ^(E) () line of Sec. 24, Twp. 40-S, R. 24-E, SLM, Aneth ^(S) () ^(W) () (Meridian) (Field or Unit)

San Juan (County), on or about 16th day of October, 19 56.

LAND: Fee and Patented State
Lease No. _____
Public Domain
Lease No. _____

Name of Owner of patent or lease The Texas Company
Address P. O. Box 1720
Fort Worth, Texas

Is location a regular or exception to spacing rule? Regular Has a surety bond been filed? yes With whom? Indian Land-Federal Area in drilling unit -
(State or Federal)
Elevation of ground above sea level is 4930 ft. All depth measurements taken from top of Derrick Floor which is 11 ft above ground
(Derrick Floor, Rotary Table or Kelley Bushing)
Type of tools to be used Rotary. Proposed drilling depth 5950 ft. Objective formation is Lower Hermosa.

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight Per Foot	Grade and Type	Amount Ft.	Top In.	Bottom	Cementing Depths
9-5/8"	32.3#	New	1200'	0	1200'	1200'
5-1/2"	14.0#	New	5500'	0	5500'	
5-1/2"	15.5#	New	450'	5500	5950'	5950'
1500 sacks of cement to be used						

AFFIDAVIT

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

Approved for regular locationDate Oct 16 19 56By Clara B. FlightTitle Secretary

By J. J. Veiten
J. J. Veiten
Division Civil Engineer
(Title or Position)
THE TEXAS COMPANY
(Company or Operator)
Address P.O. Box 1720
Fort Worth 1, Texas

ammZ

INSTRUCTIONS:

- Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Room 105, Capitol Building, Salt Lake City 14, Utah.
- 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.
- Any information required by this form that cannot be furnished at the time said form is submitted must be forwarded to the commission as soon as available.
- Use back of form for remarks.

Navajo Indian Tribal Lands



TWN-40- SOUTH
R-24-EAST

TOWNSHIP 40 SOUTH
RANGE 24 EAST

SAN JUAN COUNTY, UTAH

Scale: 1" = 2000'

This is to certify that the courses, distances and objects reflected on the plat to which this certificate is affixed were observed and compiled under my supervision and, according to my best knowledge and belief, are true and correct.

J. J. J. J. J.
Division Civil Engineer
The Texas Company

Registered Professional Engineer - State of Texas

October 16, 1956

The Texas Company
Box 1720
Fort Worth 1, Texas

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 5-C, which is to be located 660 feet from the north line and 740 feet from the west line of Section 24, Township 40 South, Range 24 East, SIM, San Juan County.

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

Yours very truly,

OIL & GAS CONSERVATION
COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:cn

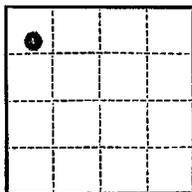
cc: Phil McGrath
USGS, Farmington,
New Mexico

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo
Tribal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. I-149-IND-8838



*Notes
C.M.H.
11/26/56*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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)

Pampa, Texas, November 15, 1956

Navajo Indian Tribal Lands "C"
Well No. 5 is located 660 ft. from $\begin{matrix} N \\ | \\ S \end{matrix}$ line and 4540 ft. from $\begin{matrix} E \\ | \\ W \end{matrix}$ line of sec. 24

SE 1/4 Sec 23 (1/4 Sec. and Sec. No.) 40-5 (Twp.) 24-3 (Range) 113 (Meridian)
Aneth (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4941 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 3:30 A.M. 11-5-56.
Drilled 12-1/4" hole to 1531' and cemented 1508' of 9-5/8" OD 32.30' seamless casing at 1523' with 1200 sacks common cement. Cement circulated. Tested casing before and after drilling plug with 300# pressure. Tested O.K.

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

Company The Texas Company

Address Box 1221

Pampa, Texas

By [Signature]

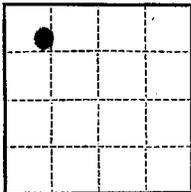
Title Asst. Dist. Supt.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo
Tribal _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. I-149-IND-2238



*Notes
C. H. H.
1-15-57*

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.....	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)

**Navajo Indian Tribal
Lands "C"**

Pampa, Texas, December 19 _____, 19 **56**

Well No. 5 is located 660 ft. from $\left\{ \begin{matrix} N \\ E \end{matrix} \right\}$ line and 4540 ft. from $\left\{ \begin{matrix} E \\ W \end{matrix} \right\}$ line of sec. 24

SE 1/4 Sec. 24 40-3 24-E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Aneth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4961 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)

**Total Depth 5960 Plugged back to 5895
Perforated 5-1/2" casing from 5850 to 5892'. Treated with 500 gallons
of mud acid. After swabbing and flowing to clean up well, well flow-
ed 343 barrels of 40.8 gravity oil in 7 hours through 1" choke.**

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

Company The Texas Company
Address Box 1221,
Pampa, Texas

By _____
Title Asst. Dist. Supt.

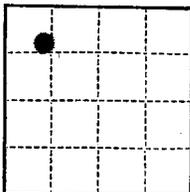
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo
Tribal _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. I-149-IND-2038



SUNDRY NOTICES AND REPORTS ON WELLS

*Notes
C.M.S.
1-15-57*

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

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

**Navajo Indian Tribal
Lands "C"**

Pampa, Texas, December 19, 19**56**

Well No. 5 is located 660 ft. from N line and 4540 ft. from E line of sec. 24

SE-1/4

Sec. 24

40-S

24-E

31N

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Anoth

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 4941 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)

Drilled to 5980' and cemented 5926' of 5-1/2" OD casing at 5939' with 500 sacks cement. Top of cement 4030'. Tested casing with 800# and tested o.k.

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

Company The Texas Company

Address Box 1221,

Pampa, Texas

By _____

Title Asst. Dist. Supt.

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity
9-5/8	1523	1200	Ballston	
5-1/2	5899	500	Ballston	

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

TOOLS USED

Rotary tools were used from 0 feet to 5980 feet, and from _____ feet to _____ feet
 _____ and from _____ feet to _____ feet
 Put to producing 12-15 _____, 19.56

The production for the first 7 hours was 343 barrels of fluid of which 99.9% was oil; 0% emulsion; 0% water; and .1% 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

M. N. Madden _____, Driller
 E. S. Eason _____, Driller
 B. Copeland _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	636	636	Sand & Shale
636	1531	895	Sand & Red Bed
1531	1764	233	Sand & Shale
1764	1947	183	Red Bed
1947	2301	354	Sand & Red Bed
2301	2503	202	Red Bed
2503	2786	283	Shale & Lime
2786	2942	156	Sand & Red Bed
2942	3111	169	Shale
3111	3177	66	Shale & Red Bed
3177	3525	348	Shale & Lime
3525	4029	504	Shale & Anhy
4029	4542	513	Shale & Lime
4542	4627	85	Lime
4627	4764	137	Shale & Lime
4764	4925	161	Lime & Chert
4925	5153	228	Lime & Shale
5153	5198	45	Lime & Chert
5198	5782	584	Lime & Shale
5782	5830	48	Lime
5830	5915	85	Lime & Shale
5915	5980	25	Lime & Anhy

Plugged back depth 5895

All measurements from derrick floor, 11' above ground.

(SUBMIT IN TRIPLICATE)

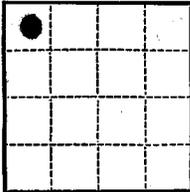
Indian Agency Navajo

Tribal

Allottee L-149-IND-6638

Lease No. _____

*Noted
OK
4-29-57*



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

April 16, 1957

Navajo Indian Tribal Lands "C"

Well No. 5 is located 660 ft. from N line and 4940 ft. from E line of sec. 24

SE-1/4 Sec. 24 40-S 24-E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Aneth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4941 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)

FORMATION TOPS

Chinle-----1631
Shinarump-----2537
De Chelly-----2784
Hernosa-----4760
Paradox Datum--5850

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

Company The Texas Company

Address Box 1221

Pampa, Texas

By _____

Title Asst. Dist. Supt.

(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo

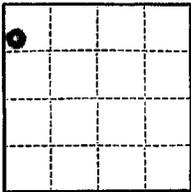
UNITED STATES

Tribal

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. I-149-IND-8838



71-A
8-25

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

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

Navajo Tribe "C"

August 21, 1958

Well No. 5 is located 660 ft. from N line and 740 ft. from W line of sec. 24

SE 1/4 of Sec. 24 40-S 24-E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is 4941 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)

Pulled tubing and perforated 5-1/2" casing from 5746' to 5780' with 4 jet shots per foot. Reran tubing to 5739' with packer set at 5581' and acidized all perforations (5746' to 5780'), and (5850' to 5892') with 8000 gallons regular 15% acid in stages using 750 gallons Sol Break. On test ending 3:00 A.M., 5-29-58, flowed at the rate of 1320 barrels of oil per 24 hours. Gravity 38.4°.

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

Company The Texas Company

Address Box 817

Farmington, New Mexico

By [Signature]

Title Dist. Supt.

W

124

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

●			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. I-149-IND-9836

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	X
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 27, 1962

Aneth Unit

Well No. W124 is located 660 ft. from ^[N]~~S~~ line and 740 ft. from ^[E]~~W~~ line of sec. 24

SE 1/4 of Sec. 24
(1/4 Sec. and Sec. No.)

40-S
(Twp.)

24-E
(Range)

SLM
(Meridian)

Aneth
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 4941 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)

Moved in pulling unit and commenced workover 1-31-62. Killed well and pulled rods and tubing. Ran 2-3/8" plastic lined tubing with Baker Injection Packer and set packer at 5688'. Put inhibitor behind packer and tested with 1000# pressure, packer tested OK. Completed workover and shut well in 2-1-62. This well is now classified as a water injection well and was shut-in waiting on water injection line.

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

Company TEKACO Inc.

Address P. O. Box 810

Farmington, New Mexico

By [Signature]

Title District Superintendent

2

(SUBMIT IN TRIPLICATE)

Indian Agency _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. **1-149-IND-8838**

•			

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 _____
NOTICE OF INTENTION TO ABANDON WELL _____	

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

_____ **July 10,** _____, 19 **63**

Aneth Unit
Well No. **F124** is located **660** ft. from **N** line and **740** ft. from **E** line of sec. **24**

SE $\frac{1}{4}$ of Sec. **24** **40-S** **24-E** **SLM**
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is **4941** 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)

Commenced workover **4-2-63**.

Reason for workover was to increase injectivity by acidizing.

Acidized all perforations (5746' to 5780' and 5850' to 5892') through tubing with 1500 gallons of regular 15% acid with 1000 cubic feet of CO₂ gas per barrel of acid. Treating pressure 3200 to 1600 PSI with an average injection rate of 4 $\frac{1}{2}$ barrels per minute. After completing treatment, back flowed and returned well to water injection. On 24 hour test ending 4-3-63, injected 779 barrels of water in well with an injection tubing pressure of 1475 PSI.

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

Company **TEXACO Inc.**

Address **Box 810**

Farmington, New Mexico

By *[Signature]*

Title **District Superintendent**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN 1 (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

I-149-IND-8838

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Aneth Unit

8. FARM OR LEASE NAME

9. WELL NO.

K124

10. FIELD AND POOL, OR WILDCAT

Aneth

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

24, 40-S, 24-E, SLM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL GAS WELL OTHER

Injection Well

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

660' from North Line and 740' from West Line

14. PERMIT NO.

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

4941' DF

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.)*

Reason for workover was to increase injectivity by acidizing.

Commenced workover on 5-24-64.

Treated all perforations (5746' to 5780' and 5850' to 5892') through tubing with 600 gallons of 15% HCL acid with iron stabilizing agent added. Treating pressure 1400# PSI with an injection rate of two barrels per minute. Acid was left on bottom for one hour then back flushed from well. After completing treatment, returned to injection. Injected 790 barrels of water into well on 24 hour test ending 5-26-64.

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

SIGNED

TITLE

Acting District Supt.

DATE

8-21-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

I-149-IND-8838

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Aneth Unit

8. FARM OR LEASE NAME

9. WELL NO.

E124

10. FIELD AND POOL, OR WILDCAT

Aneth

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

24-40S-24E-S1M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

Water Injection

2. NAME OF OPERATOR

Texaco Inc. - Producing Dept. - Rocky Mtns. U.S.

3. ADDRESS OF OPERATOR

P. O. 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

660' PNL and 740' FWL

14. PERMIT NO.

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

4941 DF

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.)*

5-2-72 - Backflowed 75 BW via tubing. Acidized w/ 750 Gal. 15% inhibited HCL and displaced w/ injection water. Pressures 2800 - 3000 PSI @ 3 BPM. After one hour SI backflowed 75 BW and pumped 10 Gal. brocide down tubing. Injection Rate before 350 BWPD @ 2250 PSI After 550 BWPD @ 2250 PSI

Work completed 5-8-72.

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

SIGNED [Signature]

TITLE **District Superintendent** DATE **7-19-72**

(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. - HNB - GLE - WLW Farm. SIC Cortez

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
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE ALL E124 WELL
 SEC. 24 TWP. 40S RANGE 24E
San Juan COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>

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>Aneth Unit</u>	Well No. <u>E124</u>	Field <u>Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>NW1/4 NW1/4</u> Sec. <u>24</u> Twp. <u>40S</u> Rge. <u>24E</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 type="checkbox"/> No <input type="checkbox"/> Date <u>2-1-62</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1300'</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 <u>Aneth Unit Producing</u> Injection Source(s) wells & <u>San Juan</u> <u>River</u>		Geologic Name(s) <u>Desert Creek & Ismay</u> and Depth of Source(s) <u>+/- 5600'</u>	
Geologic Name of Injection Zone <u>PARADOX:</u> <u>DESERT CREEK</u>		Depth of Injection Interval <u>5746</u> to <u>5892</u>	
a. Top of the Perforated Interval: <u>5746</u>	b. Base of Fresh Water: <u>1300'</u>	c. Intervening Thickness (a minus b) <u>4446'</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</u> <u>shale layers</u>			
Injection Rates and Pressures Maximum <u>2,000</u> B/D <u>2,500</u> PSI			
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 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

SEAL

My commission expires 10/25/87

Joe D. Raybal

Notary Public in and for Colorado

728 N. Beech, Cortez, Co. 81321

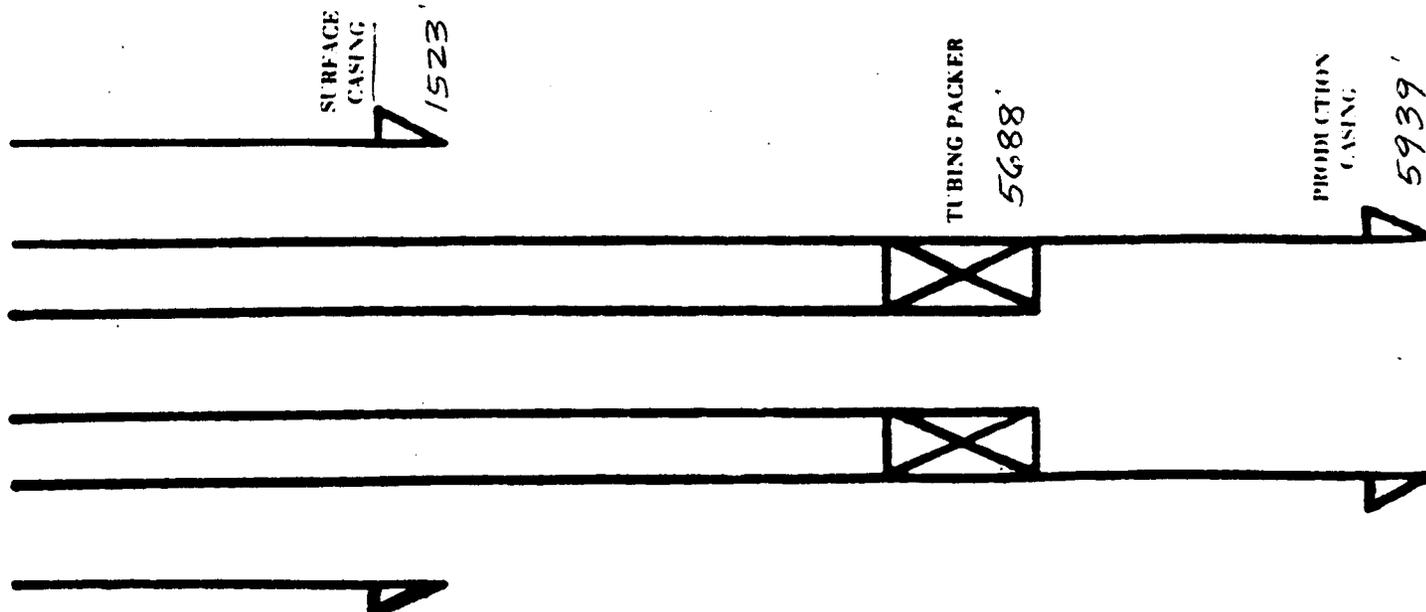
(OVER)

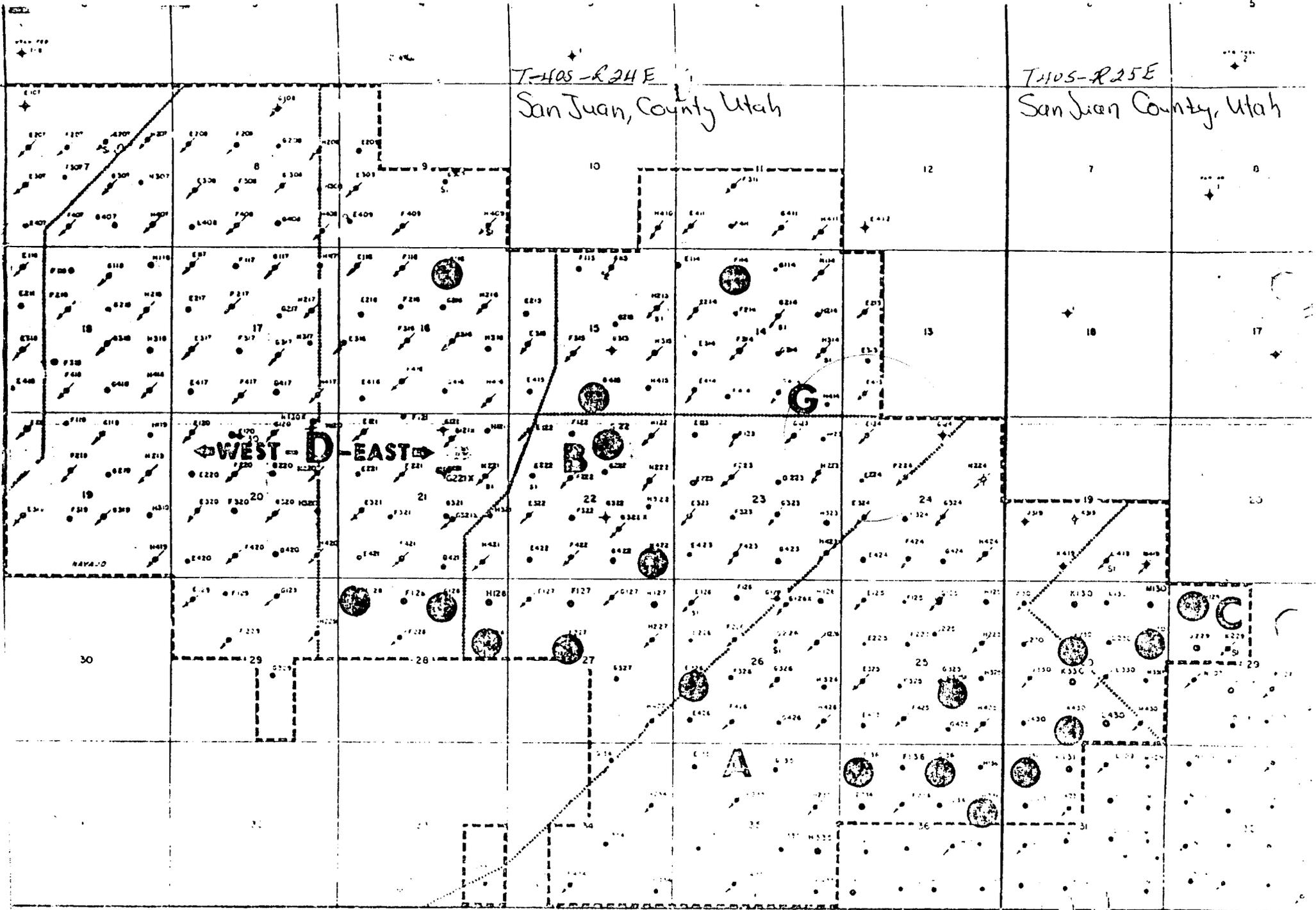
1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample 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	9-5/8	1523	1200	SURF	CIRC
Intermediate					
Production	5-1/2	5939	500	4030'	CALCULATED
Tubing	2-3/8	5688	Name - Type - Depth of Tubing Packer BAKER SEAL ASSEMBLY 5688		
Total Depth	Geologic Name - Inj. Zone		Depth - Top of Inj. Interval	Depth - Base of Inj. Interval	
5980	DESERT CREEK		5746	5892	

SKETCH - SUBSURFACE FACILITY





T-10S-R24E
San Juan, County Utah

T-10S-R25E
San Juan County, Utah

WEST ← D → EAST

A

G

B

C

WATER ANALYSIS REPORT

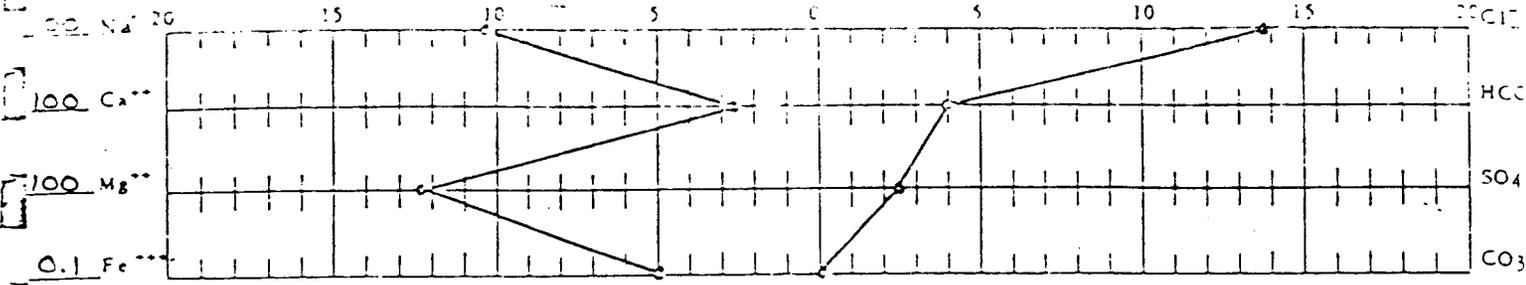
NL Treating Chemicals/NL Industries, Inc.

P.O. Box 1675, Houston, Texas 77001

							SHEET NUMBER 0
COMPANY TEXACO, INCORPORATED							DATE 5 APRIL 1982
FIELD ANETH				COUNTY OR PARISH SAN JUAN		STATE UTAH	
WELL OR UNIT ANETH			WELL SIGNATURE OR NO. INJECTION WATER		WATER SOURCE (FORMATION)		
DEPTH, FT.	SHT. F.	SAMPLE SOURCE PLANT	TEMP. F.	WATER BBL/DAY	OIL BBL/DAY	GAS, MMCF/DAY	
DATE SAMPLED 6 APRIL 1982		TYPE OF WATER <input type="checkbox"/> PRODUCED <input checked="" type="checkbox"/> SUPPLY <input checked="" type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALT WATER					

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES mg/l SCALE UNIT)



DISSOLVED SOLIDS

IONS	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 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.
Turbidity, JTU Units	N.D.
Total Dissolved Solids (calc.)	21385.3 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(V)

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 made specific gravity.

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

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * *

Operator: Tehaco Well No. Arnell Unit E124
 County: San Diego T 40S R 24E Sec. 24 API# 43-039-1281
 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>Overburden</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>Platteville</u>	Depth <u>1300</u>
Number of wells in area of review	<u>10</u>	Prod. <u>4</u> P&A <u>1</u>
	Water <u>0</u>	Inj. <u>5</u>
Aquifer Exemption	Yes <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
Mechanical Integrity Test	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
	Date _____	Type _____

Comments: _____

Reviewed by: Opf

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other Water Injection

2. NAME OF OPERATOR
Texaco Inc.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
660' FNL & 740' FWL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other) Set CIBP

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-

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

DIVISION OF
OIL, GAS & MINING

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. plans to repair a suspected casing leak and set a CIBP above Zone II of the Desert Creek in the Aneth Unit Injection Well - E124 Well is currently SI. Proposed procedure will be as follows.

1. MIRUSU.
2. TOOH W/tubing & packer
3. Run packer & RBP.
4. Set RBP at 5685' KB.
5. Move uphole and isolate casing leak(s).
6. Bradenhead squeeze 100 sx Class B cement into hole.
7. DOC and pressure test casing to 1000 psi.
8. TOOH W/RBP and TIH W/CIBP and set at 5840' KB.
9. TIH W/ new PC tubing and packer. Set packer at 5688' KB. Place well
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ on Inj.

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

SIGNED Robert R. Mearns TITLE Field Supt. DATE 3/21/84

(This space for Federal or State office use)

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

BLM (4) UOGCC (3) Navajo Tribe-Superior Oil-JNH-CDF-ARM

*See Instructions on Reverse Side

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 3/21/84
BY: [Signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other Water Injection

2. NAME OF OPERATOR
TEXACO INC.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 740' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other)

SUBSEQUENT REPORT OF:

5. LEASE <u>I-149-IND-8838</u>
6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>NAVAJO</u>
7. UNIT AGREEMENT NAME <u>ANETH UNIT</u>
8. FARM OR LEASE NAME
9. WELL NO. <u>E124</u>
10. FIELD OR WILDCAT NAME <u>Aneth</u>
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>24-40S-24E-SLM</u>
12. COUNTY OR PARISH: 13. STATE <u>San Juan Utah</u>
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD) <u>4941'DF</u>

RECEIVED

MAY 30 1984

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

DIVISION OF OIL
GAS & MINING

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.)*

4-3-84 MIRUSU: Fished parted tubing. TOOH w/tubing & Seal Assembly. TIH w/bit & scraper & cleaned out to 5688'KB. Pulled bit & scraper. TIH w/RBP & Packer. Set RBP @ 5674KB. Set packer at 5610, tested RBP to 1000#, held. Moved up hole & isolated bottom hole at 2503'KB. Unable to isolate top hole because pkr. would not hold. Shut down to evaluate for casing liner.

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

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

SIGNED John R. Mary TITLE Field Supt. DATE 5/22/84

(This space for Federal or State office use)

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

BLM (4) UOGCC (3) Navajo Tribe-Superior Oil-JNH-LAA-ARM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIAL
(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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Water Injection		5. LEASE DESIGNATION AND SERIAL NO. I-149-IND-3838
2. NAME OF OPERATOR TEXACO INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
3. ADDRESS OF OPERATOR P.O. Box EE, Cortez, CO. 81321		7. UNIT AGREEMENT NAME Aneth Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FNL and 740' FWL Sec. 24, T40S, R24E		8. FARM OR LEASE NAME Unit
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4941 DF	9. WELL NO. El24
		10. FIELD AND POOL, OR WILDCAT Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, 40S, 24E, SLM
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

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

Texaco Inc. Proposes to cement tubing in Aneth Unit El24 as per the procedure outlined below. All work will be done in accordance w/BLM and UOGCC rules & Regulations.

- MIRUPU
- Drill out retainer @5688'. Clean out hole to 5892' KB.
- TIH w/CIBP and Pkr on tbg. set CIBP @ 5830' KB. Set Pkr @ 5790' KB, test to 1000 psi.
- TOH w/Pkr & Tbg. TIH w/Pkr-plug & Pressure setting tool on tbg.
- Set Pkr @5700' KB. TOH.
- TIH w/locator tubing seal assembly. Set 5' above pkr. Pump 1 bbl gelled H2O to bottom.
- Pick up 10' & pump as follows: 100sxs lead cement, 150sxs Class B cement. Pump cement in 150sxs batches until water flow to surface is shut off, or until cement returns are to surface.
- Displace volume of tubing by ltbl. String into pkr & set plug.
- Pump 50 bbls of lease wtr. to clean tbg.
- WOC 24 hrs.
- Return to injection status.

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

SIGNED Alan R. Mans TITLE Field Superintendent DATE 1/21/85

(This space for Federal or State office use)

APPROVED BY Clern B. Feight TITLE UIC Manager DATE 1/31/85

CONDITIONS OF APPROVAL, IF ANY:

BLM (4)-UOGCC (3)-Navajo Tribe-JNH-RJH-ARM

*See Instructions on Reverse Side

5/16/85

1440 hrs.

Texaco - Dave Wiederecht
(303) 565-8401

Aneth Unit E-124

Sec. 24, T40S, R24E

San Juan Co.

~~Well~~ Well in injection well in Desert Ck.

Surf. csq. 9⁵/₈" @ 1523' . TOC @ surf.
9¹/₂" @ 5939' TOC @ 4030

Perfs. in Desert Ck.:

5746' - 5780'

5850' - 5892'

Casing damaged

2³/₈" hbq. CO'd to top of packer @ 5688'
Pulled out & attempt to go back in.

Cannot get deeper than 1960'.

Packer @ 5688'. (Stuck in hole).

BLM office - Jim Lovato, Farmington
(505) 325-4572

BLM is considering action. I called Jim
but he is out of office - will call back.

Paradox - 5800'

Pechelly - 2750'

Navajo - Not known. (generally 600-1000')

They have been milling for three days and have made little progress. Several mills were used.

BLM decision: (per Jim Lovato)

- Bottom of fresh water @ 1700
(Top of Chink).
- Set retainer above stuck pt.
& cement off hole.
- Perf. @ 1750' & place cement
in & out.
- Perf. @ 1573' & place cement
in & out.

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

5. LEASE DESIGNATION AND SERIAL NO.

I-149-IND-8838

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

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, CO. 81321

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

660' FNL & 740' FWL
Sec. 24, T40S, R24E

7. UNIT AGREEMENT NAME

Aneth Unit

8. FARM OR LEASE NAME

Unit

9. WELL NO.

E124

10. FIELD AND POOL, OR WILDCAT

Aneth

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

Sec. 24, T40S, R24E

14. PERMIT NO.

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

4941' DF

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

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 location and measured and true vertical depths for all markers and zones pertinent to this work.)*

Texaco Inc. proposes to plug & Abandon Aneth Unit E124 as per the procedures outlined below. This proposed procedure was granted verbal approval status 5/16/85 @ 3:45 P.M., by Jim Lavato W/the BLM and John Baza W/the Utah OGCC to D.D. Wiederecht W/Texaco Inc.

- 1.) MIRUSU
- 2.) Place cement retainer @ 1900'. Pump Cement until squeeze takes.
- 3.) Perf 4 way squeeze shot @ 1750'.
- 4.) Spot a cement plug inside and outside 5 1/2" casing from 1750'-1473'
- 5.) Fill casing w/9.2 lb/gal. mud.
- 6.) Perf 4 way squeeze shot @ 100'
- 7.) Fill 5 1/2" casing & annulus w/cement from 100'-surface.
- 8.) Erect P & A Marker and clean location.

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

SIGNED *John R. Manly*

TITLE Area Superintendent

DATE 5/25/85

(This space for Federal or State office use)

APPROVED BY *Ellen B. Feaght*

TITLE UIC Manager

DATE 5/29/85

CONDITIONS OF APPROVAL, IF ANY:

BLM (4) - UOGCC (3) - Navajo Tribe - AJS-JNH-ARM

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0165
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.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Texaco Inc.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
660' FNL & 740' FWL
Sec. 24, T40S, R24E

14. PERMIT NO.

16. ELEVATIONS (Show whether DF, RT, OR, etc.)
4941' DF

5. LEASE DESIGNATION AND SERIAL NO.
I-149-IND-8838

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
Aneth Unit

8. FARM OR LEASE NAME
Unit Navajo Indian

9. WELL NO.
E124

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Sec. 24, T40S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

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

5/21/85 Completed.

Unsuccessful attempt was made to cmt tbg in hole. Therefore well was plugged & abandoned as follows:
Run cement retainer & set @ 1925' KB. Squeeze with 300 sx Class B Neat @ 1 1/2 Bpm @ 1000 PSI sting out of retainer. Reverse circulate no cmt in returns. TOOH SI for weekend w/450# on well. Rig up perforators, run in hole tag @ 1082' KB. Shoot 4-way squeeze shot @ 1082' KB TOOH. TIH W/tbg. spot 63 sx calss B Neat cmt w/2% CaCl 2 pull above cmt & squeeze 13 sx into perfs. 50 sx left in csg. w/1000 psi. Final squeeze. Shut in 4 hrs, tag cmt top @ 540' test to 500# held. Fill hole w/9.5# mud. Run wireline & perf 4-way squeeze shot @ 100' KB. Pump cmt down surface pipe until returns on csg. Shut in csg psi to 500#, shut in well RDMOSU. Erect dryhole marker.

Csg left in hole.
5926' - 5 1/2 - 14 & 15.5#
1508' - 9 5/8 - 32.3#

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE 7/29/85
BY [Signature]

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

SIGNED [Signature] TITLE Area Superintendent DATE 7/16/85

(This space for Federal or State office use)

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

BLM (4) - UOGCC (3) - Navajo Tribe - JNH-AJS-ARM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse 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.)

1. OIL WELL GAS WELL OTHER Water Injection

2. NAME OF OPERATOR
Texaco Inc.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
660' FNL & 740' FWL
Sec. 24, T40S, R24E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ST, OR, etc.)
4941' DF

5. LEASE DESIGNATION AND SERIAL NO.
I-149-IND-8838

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
Aneth Unit

8. FARM OR LEASE NAME
Unit

9. WELL NO.
E124

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA
Sec. 24, T40S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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 type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" 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.)*

5/21/85 Completed.

Unsuccessful attempt was made to cmt tbg in hole. Therefore well was plugged & abandoned as follows:
Run cement retainer & set @ 1925' KB. Squeeze with 300 sx Class B Neat @ 1 1/2 Bpm @ 1000 PSI sting out of retainer. Reverse circulate no cmt in returns. TOOH SI for weekend w/450# on well. Rig up perforators, run in hole tag @ 1082' KB. Shoot 4-way squeeze shot @ 1082' KB TOOH. TIH W/tbg. spot 63 sx calss B Neat cmt w/2% CaCl 2 pull above cmt & squeeze 13 sx into perfs. 50 sx left in csg. w/1000 psi. Final squeeze. Shut in 4 hrs, tag cmt top @ 540' test to 500# held. Fill hole w/9.5# mud. Run wireline & perf 4-way squeeze shot @ 100' KB. Pump cmt down surface pipe until returns on csg. Shut in csg psi to 500#, shut in well RDMOSU. Erect dryhole marker.

Csg left in hole.

5926' - 5 1/2 - 14 & 15.5#
1508' - 9 5/8 - 32.3#

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

DATE 7/29/85
BY John R. Day

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

SIGNED John R. Day TITLE Area Superintendent DATE 7/16/85

(This space for Federal or State office use)

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

BLM (4) - UOGCC (3) - Navajo Tribe - JNH-AJS-ARM

*See Instructions on Reverse Side

7. All disturbed areas will be seeded between July 1 and September 15 with the prescribed seed mix. (Reseeding may be required).

Other Surface Managing Agencies (SMAs) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMAs. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMAs should be brought to us.

On private land, we should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

If the rehabilitation stipulations have been completed, please sign below and return this letter to:

Fluids Surface Management Staff
Caller Service 4104
Farmington, NM 87499

If the surface restoration has not yet been completed, notify us by Sundry Notice upon completion. We will schedule an inspection to check the well site after we receive notice from you and the vegetation has become established.

If you have any questions, please contact the Fluids Surface Management Staff at (505) 325-4572.

Sincerely,


John Miller
Area Manager

The above-mentioned well has been abandoned and the required surface restoration stipulations completed.


Signed


Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. I-149-IND-8838	
2. NAME OF OPERATOR Texaco Inc. (303) 565-8401		6. IF INDIAN, ALLOTTEE OR TRIBE NAME PA Wlw Navajo	
3. ADDRESS OF OPERATOR P.O. Box EE, Cortez, Colo. 81321		7. UNIT AGREEMENT NAME Aneth Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FNL and 740' FWL		8. FARM OR LEASE NAME 122012	
14. PERMIT NO. 43-037-16281		9. WELL NO. E124	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4941' DF		10. FIELD AND POOL, OR WILDCAT Aneth	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 24, T40S, R24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

RECEIVED
DEC 02 1987
DIVISION OF OIL, GAS & MINING

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

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

The subject well has been reseeded with the perscribed seed mix and is ready for final inspection.

18. I hereby certify that the foregoing is true and correct
SIGNED Alan A. Klever TITLE Area Superintendent DATE 11/19/87

(This space for Federal or State office use)

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

BLM (4) UOGCC (3) Navajo Tribe - Mobil Oil - LAA - AAK

*See Instructions on Reverse Side