

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *MB*
Approval Letter 20-1-71
Disapproval Letter

COMPLETION DATA:

Date Well Completed
V..... WW..... TA.....
W..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
PHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLog..... CCLog..... Others.....

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Walter Duncan

3. ADDRESS OF OPERATOR
 1800 Security Life Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 (2140 FSL x 2140 FEL) NWSE 21-41S-26E
 At proposed prod. zone
 Same *NWNWSE*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 40 miles SW Cortez, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 2140'

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ---

19. PROPOSED DEPTH
 6100'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5050' ground

22. APPROX. DATE WORK WILL START*
 October 1, 1971

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	250'	200 sxs
7-7/8"	5-1/2"	14-17#	6100'	200 sxs

Will drill with rotary tools to test the Ismay and Desert Creek carbonates. Will run DST's across any porous zones in the Ismay and Desert Creek if warranted by shows. If productive, will cement 5-1/2" casing and perforate as needed. Logs, DIL and SNP with GR and caliper will be run at total depth.

Anticipated Tops: Navajo	1220'	Ismay	5740'
Shinarump	2780'	Desert Creek	5940'
Organ Rock	3070'	Akah Shale	6100'
Hermosa	4815'	Total Depth	6100'

300 feet
Walter Duncan
10/1/71

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Lionel Brennenman TITLE Geologist DATE 9-27-71

(This space for Federal or State office use)
 PERMIT NO. 13-037-30069 APPROVAL DATE _____

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

*See Instructions On Reverse Side



1800 SECURITY LIFE BUILDING • AREA CODE 303 TEL. 623-4158 • DENVER, COLORADO 80202

September 29, 1971

State of Utah
Oil and Gas Conservation Commission
1588 West North Temple Street
Salt Lake City, Utah 84101

Re: #1-21 Pet. Inc. -Navajo
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 21-41S-26E
San Juan County, Utah

Gentlemen:

Enclosed for your file is one copy of the Application for Permit to Drill, with Survey Plat attached, on the above captioned well, which we have this date submitted to the U. S. G. S.

Very truly yours,

WALTER DUNCAN OIL PROPERTIES

Marcia Little
Secretary

:ml
Enclosure

October 1, 1971

Walter Duncan
1800 Security Life Building
Denver, Colorado 80202

Re: Well No. Navajo #1-21 Pet. Inc.
Sec. 21, T. 41 S, R. 26 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. Said approval is, however, conditional upon the following:

1. Supplying this Division with written notification as to the type of blowout prevention equipment to be installed on the well, including pressure ratings and subsequent testing procedures.

Should you determine that it will become necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890 (801)
OFFICE: 328-5771 (801)

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

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Walter Duncan
October 1, 1971
Page Two

The API number assigned to this well is 43-037-30069.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey



1800 SECURITY LIFE BUILDING · AREA CODE 303 TEL. 623-4158 · DENVER, COLORADO 80202

October 5, 1971

State of Utah
Oil and Gas Conservation Commission
1588 West North Temple Street
Salt Lake City, Utah 84101

Re: #1-21 Pet. Inc. - Navajo
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 21-41S-26E
San Juan County, Utah

Gentlemen:

This is to advise that the elevation on the above captioned location has been corrected from 5050' ground to 5072' ground.

Please revise your Application for Permit to Drill and Survey Plat accordingly.

Very truly yours,

WALTER DUNCAN OIL PROPERTIES

Marcia Little

Marcia Little
Secretary

:ml

October 18, 1971

Walter Duncan
1800 Security Life Bldg.
Denver, Colorado 80202

Re: Navajo #1-21 Pet. Inc.
Sec. 21, T. 41 S, R. 26 E,
San Juan County, Utah

Dear Mr. Duncan:

Please refer to our Letter of October 1, 1971, in which the approval to drill the above referred to well was conditional upon supplying this office with written notification as to the type of blowout prevention equipment and subsequent testing procedures, to be used on said well.

As of this date, we have not yet received said information. Consequently, it would be appreciated if the above could be forwarded to our office as soon as possible.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
SUPERVISING STENOGRAPHER

:sd



1800 SECURITY LIFE BUILDING · AREA CODE 303 TEL. 623-4158 · DENVER, COLORADO 80202

October 20, 1971

Mr. Cleon B. Fieght
Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: Navajo #1-21 Pet. Inc.
Sec. 21, T 41 S. R 26 E
San Juan County, Utah

Dear Sir:

Blowout prevention equipment to be used on the above captioned well will be a 10" 900 Series Shaffer Double Hydraulic Unit with a working pressure of 3000 psi and a test pressure of 6000 psi. Following nipping up, this equipment will be tested to 1000 psi and subsequent tests will be conducted daily or on trips.

Very truly yours,

WALTER DUNCAN OIL PROPERTIES

Lionel Brenneman
Lionel Brenneman

LB:ml
cc: Petroleum, Inc.
U. S. G. S.

January 14, 1972

Walter Duncan
1800 Security Life Bldg.
Denver, Colorado 80202

Re: Well No. Navajo #1-21 Pet. Inc.
Sec. 21, T. 41 S, R. 26 E,
San Juan County, Utah

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months of October thru' December, 1971, on the subject well.

Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. Enclosed are forms for your convenience.

Your cooperation with regard to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

SCHEREE DeROSE
SUPERVISING STENOGRAPHER



1800 SECURITY LIFE BUILDING • AREA CODE 303 TEL. 623-4158 • DENVER, COLORADO 80202

February 1, 1972

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: #1-21 Pet. Inc. - Navajo
NWSE 21-41S-26E
San Juan County, Utah

Dear Sir:

Enclosed for your file are the following re the above captioned well:

1. Notice of Intention to Abandon (submitted in triplicate);
2. Copy of Well Completion Report and Log with the following attachments: SNP, DIL, Geological Report, Daily Drilling Report.

If you need further data to complete your file, please advise.

Very truly yours,

WALTER DUNCAN OIL PROPERTIES

Marcia Little

Marcia Little

:ml
Enclosures

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Dry		5. LEASE DESIGNATION AND SERIAL NO. NOO-C-14-20-3798
2. NAME OF OPERATOR Walter Duncan		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR 1800 Security Life Building, Denver, Colorado 80202		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 (2140 FSL x 2140 FEL) NWSE 21-41S-26E		8. FARM OR LEASE NAME ---
14. PERMIT NO.		9. WELL NO. 1-21 Pet. Inc. - Navajo
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5072' ground		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 21-41S-26E 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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input 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.)

Test was drilled with rotary tools to a total depth of 6155'. No shows of oil or gas were encountered in either the Ismay or Desert Creek.

The well was plugged and abandoned as follows:

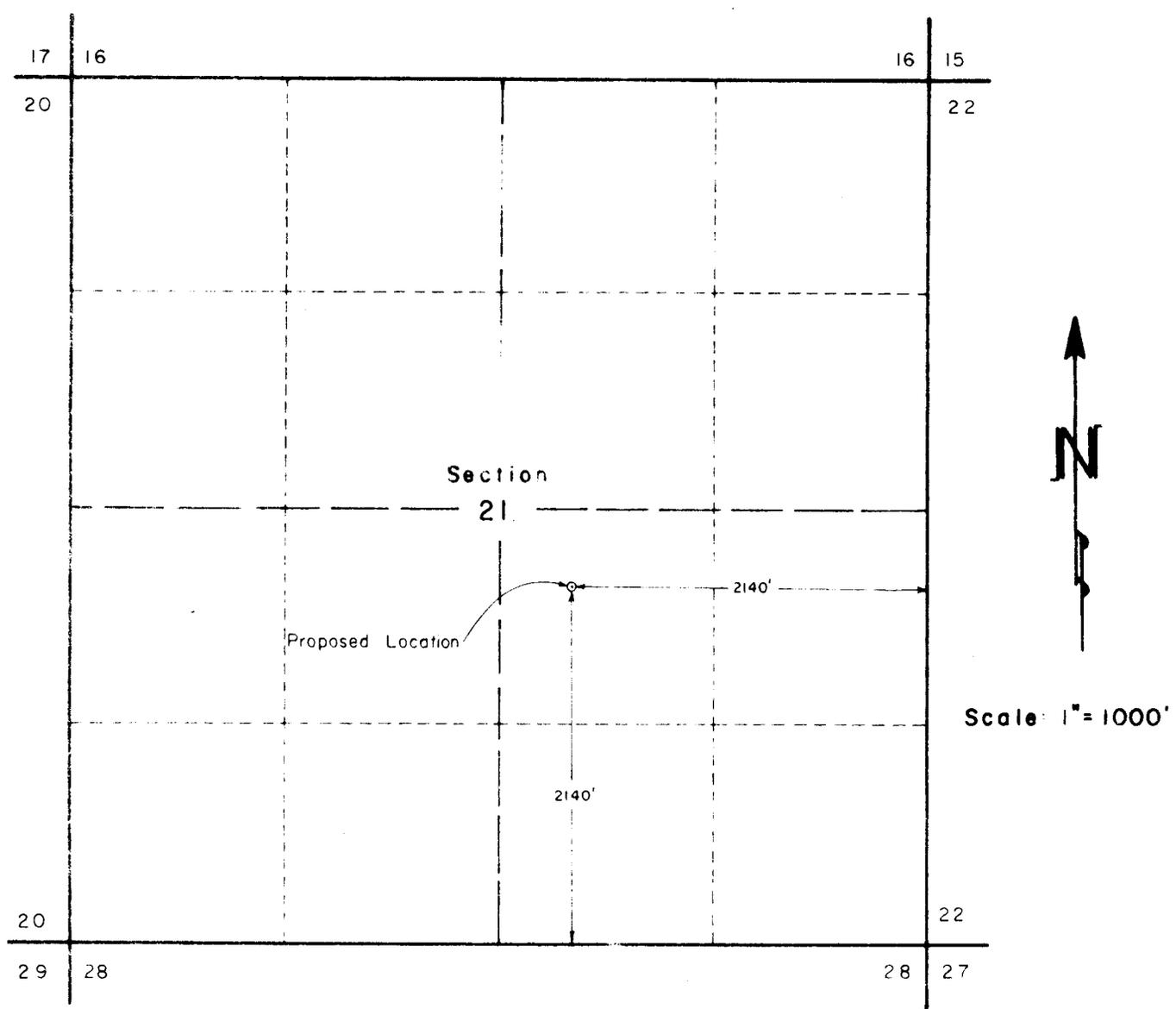
Plug #1	TD - 5800'	70 SX	
Plug #2	4900' - 4800'	29 SX	
Plug #3	3050' - 2900'	43 SX	
Plug #4	1200' - 1000'	57 SX	
Plug #5	Surface with	10 SX	
	Dry Hole Marker		

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

SIGNED Lionel Brenneman TITLE Geologist DATE 2-1-72
 (This space for Federal or State office use)

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

SET



WELL LOCATION WALTER DUNCAN NO. 1-21 PET. INC. - NAVAJO

Located 2140 feet North of the South line and 2140 feet West of the East line of Section 21,
 Township 41 South, Range 26 East Salt Lake Base & Meridian
 San Juan County, Utah.
 Existing ground elevation determined at 5050 feet based on U.S.G.S. Datum.

I hereby certify the above plot represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Utah No. 2689



WALTER DUNCAN Denver, Colorado	
WELL LOCATION	
SEC. 21, T41S, R26E, SLBM,	
San Juan County, Utah	
CLARK - REED & ASSOC Durango, Colorado	DATE Sept. 25, 1971 FILE NO. 71097

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-3798

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

1-21 Pet. Inc. - Navajo

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

21-41S-26E SLM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER Dry

2. NAME OF OPERATOR
Walter Duncan

3. ADDRESS OF OPERATOR
1800 Security Life Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
(2140 FSL x 2140 FEL) NWSE 21-41S-26E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5072' ground

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 checked="" 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.)*

Test was drilled with rotary tools to a total depth of 6155'. No shows of oil or gas were encountered in either the Ismay or Desert Creek.

The well was plugged and abandoned as follows:

Plug #1	TD - 5800'	70 sx
Plug #2	4900' - 4800'	29 sx
Plug #3	3050' - 2900'	43 sx
Plug #4	1200' - 1000'	57 sx
Plug #5	Surface with	10 sx
	Dry Hole Marker	

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

SIGNED Lionel Brennenman TITLE Geologist DATE 2-1-72
Lionel Brennenman
(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 DUPLICATE*

(See other instructions on reverse side)

Form approved, Budget Bureau No. 42-23545.

10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [X] Other []
b. TYPE OF COMPLETION: NEW WELL [] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESER. [] Other Plugged & Abandoned [X]

2. NAME OF OPERATOR: Walter Duncan

3. ADDRESS OF OPERATOR: 1800 Security Life Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: (2140 FSL x 2140 FEL) NWSE 21-41S-26E
At top prod. interval reported below:
At total depth: Same

14. PERMIT NO. DATE ISSUED: 10-5-71

15. DATE SPUDDED: 11-14-71
16. DATE T.D. REACHED: 12-6-71
17. DATE COMPL. (Ready to prod.): P&A 12-7-71
18. ELEVATIONS (DP, RKB, RT, GR, ETC.): 5072' GR

20. TOTAL DEPTH, MD & TVD: 6155'
21. PLUG BACK T.D., MD & TVD: P&A
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY:
ROTARY TOOLS: 0'
CABLE TOOLS: 6155'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*: P&A

26. TYPE ELECTRIC AND OTHER LOGS RUN: SNP; DIL

27. WAS WELL CORDED: No

28. CASING RECORD (Report all strings set in well)
Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD
Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD)
30. TUBING RECORD
Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION
DATE FIRST PRODUCTION: P&A
PRODUCTION METHOD (Flooding, gas lift, pumping--size and type of pump)
WELL STATUS (Producing or shut-in): P&A

Table with columns: DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL--BBL., GAS--MCF., WATER--BBL., GAS-OIL RATIO
FLOW, TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL--BBL., GAS--MCF., WATER--BBL., OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS: SNP, DIL, Geological Report, Daily Drilling Report

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

SIGNED: Lionel Brenneman TITLE: Geologist DATE: 2-1-72

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

2101101212

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. Copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No cores or tests.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Hermosa	4910'	(+173')	
Upper Ismay	5825'	(-743')	
Lower Ismay	5910'	(-827')	
Desert Creek	6015'	(-932')	
Akah	6120'	(-1037')	

FEB 3 1972

WALTER DUNCAN
Navajo - Pet. Inc.
No. 1, - 21
Sec. 21, T-41-S R-26-E

This test was drilled with rotary tools from the surface to a total depth of 6157'. Clear water and a gel mud were used as a circulating medium.

Thirty foot samples were caught under surface casing to 4700'. Ten foot samples were caught from 4700' to total depth. Quality of the samples ranged from poor to good.

The test was under constant geological supervision from 5200' to total depth.

Two zones of interest were encountered.

The first was in the lower Ismay from 5915' to 5960'. After encounter of the zone at 5915' a sample was circulated from 5920'. This was a clean white limestone, somewhat chalky. Fair porosity, estimated at 5% - 8% was observed in this sample. It appeared to be the type of rock that would have low permeability. No shows of oil, stain, or odor were observed. This sample did display some 30% fluorescences but was probably mineral in that there was no cut.

At a depth of 5935' a noticeable increase in penetration rate was observed. A sample was circulated from 5940'. This was also a clean whit limestone that displayed better porosity than the higher sample, estimated 10% - 12%. There were no shows, stain, odor, nor fluorescence in this sample.

The second zone of porosity occurred in the Desert Creek from 6080' - 6090'. A sample was circulated from 6087'. This was a grey limestone, somewhat dolomitic, and displayed an estimated 5% - 8% porosity. There were no shows, stain, odor, nor fluorescence in this sample.

Drilling was continued to the top of the Paradox salt.

SNP and DIL logs were run at the total depth of 6157' by Dresser Atlas Inc.

Evaluation of these logs confirmed the sample evaluation of the Desert Creek porosity and of the lower 25' of the Ismay porosity to be 100% water.

The upper 20' of porosity in the Ismay can be calcu-

lated to have water saturations ranging from 55% (calculated Rw) to 45% using the measured Rw from a well in the vicinity.

In my opinion, an Sw of 55% in this horizon is too high for commercial production. An Sw of 45% could possibly yield marginal production but this calculation was not confirmed in the samples.

Extensive testing was conducted in this interval in wells both to the southwest and the northeast of this location with negative results.

Our having failed to achieve the superior structural position that had been anticipated, E log confirmation of sample analysis, and the poor results from surrounding wells, it was recommended that this test be abandoned.

Mr. P. T. McGrath, of the U. S. Geological Survey in Farmington, New Mexico was contacted and plugging instructions as follow were received:

TD - 5800'	70 sx.
4900 - 4800	29 sx.
3050 - 2900	43 sx.
1200 - 1000	57 sx.
surface	11 sx. with proper marker

Total = 210 sx.

These instructions were left in written form with the drilling contractors supervisor at the well site.

B. F. Latch,

B. F. Latch
CPG # 1701

DRILLING REPORT

AFE 106

#1-21 Pet. Inc. - Navajo
NWSE Section 21-41S-26E
San Juan County, Utah

Elevation 5072' Ground

- 11-12-71 Completed building location; digging reserve pits and starting to move in. Expect to spud sometime Sunday 11-14-71.
- 11-13-71 Completed digging reserve pit. Moving in and rigging up.
- 11-14-71 Spudded @ 7:00 am 11-14-71.
Bit #1 12 $\frac{1}{4}$ " ODG, out at 197' (197' in 12 hrs.)
Bit #2 12 $\frac{1}{4}$ " S4T, 197' - 259' (62' in 2 $\frac{1}{2}$ hrs.)
MW 9.4; Vis 55
14 $\frac{1}{2}$ hrs drilling; 2 $\frac{1}{4}$ hrs tripping; 3 hrs. drilling mousehole; 2 $\frac{1}{4}$ hrs. running casing; 1 hr WOO; 1 hr. WOC.
Ran 6 joints 8-5/8" 24# casing 243.13'; landed @ 255' KB
Cemented w/175 sx neat + 2% CaCl
Circulated out 14 bbls. cement
Plug down @ 3:00 am 11-15-71
- 11-15-71 WOC @ 259'
- 11-16-71 819' and drilling (+560')
Deviations: $\frac{1}{2}^{\circ}$ @ 258'; 3/4 $^{\circ}$ @ 758'
Bit #3 7-7/8" Security S4T, 259' - 476' (212' in 4-3/4 hrs.)
Bit #4 7-7/8" Security S4T, 476' - drilling (343' in 4 $\frac{1}{2}$ hrs.)
20 6 $\frac{1}{4}$ " collars; WOB 35,000#; rpm 70; pump pressure 400#; 50 strokes/min; 5 $\frac{1}{2}$ " liner; drilling w/water
9 $\frac{1}{4}$ hrs drilling; 1 $\frac{1}{2}$ hrs tripping; $\frac{1}{4}$ hr surveying; 11 hrs WOC & NU;
1 hr drilling plug and cement; 1 hr repairing rotary chain
- 11-17-71 1848' and drilling (+1029')
Deviations: 1 $^{\circ}$ @ 1200'
Bit #4 7-7/8" Security S4T, 476' - 1200' (724' in 14 $\frac{1}{4}$ hrs.)
Bit #5 7-7/8" Security M4NG J, 1200' - drilling (648' in 9 $\frac{1}{2}$ hrs.)
20 6 $\frac{1}{4}$ " collars; WOB 40,000#; rpm 80; pump pressure 600#; 50 strokes/min; Drilling w/water
20 $\frac{1}{4}$ hrs drilling; 1-3/4 hrs tripping; $\frac{1}{4}$ hr surveying; $\frac{1}{2}$ hr cleaning pits;
1 hr pulling float from bottom hole collar; $\frac{1}{4}$ hr servicing rig
- 11-18-71 1973' and drilling (+125')
Deviation: 1 $^{\circ}$ @ 1942'
Bit #5 7-7/8" Security M4NG J, 1200' - 1942' (742' in 12 hrs.)
Bit #6 7-7/8" Hughes X1G, 1942' - drilling (31' in 3/4 hr.)
WOB 40,000#; rpm 80; pump pressure 600#; 50 strokes/min;
MW 8.4; vis 40; wl 16.4; ph 11; sand $\frac{1}{4}$ %; plastic vis 12; YP 9; jell 4/0; sol 3
14 hrs working stuck pipe; 3/4 hr spotting oil to free pipe; 1-3/4 hrs mixing mud & conditioning hole; 2 $\frac{1}{2}$ hrs. tripping; $\frac{1}{2}$ hr working on pump; 4 $\frac{1}{2}$ hrs drilling.
- 11-19-71 2228' and out of the hole (+255') and waiting on rotary table shaft.
Deviation: 1 $^{\circ}$ @ 1942'
Bit #6: 7-7/8" Hughes X1G, 1942' - 2228' (286' in 10-3/4 hrs.)
WOB 40,000#; rpm 80; pump pressure 600#; 50 strokes/min;
MW 8.9; Vis 40; WL 16; cake 2/32; PH 10.5; Sol 4%; Sand $\frac{1}{2}$ %; Plas Vis 11;
YP 8; Jell 5/11
10 hrs drilling; 1 hr tripping; $\frac{1}{2}$ hr working on pump; 12 $\frac{1}{2}$ hrs waiting on rotary table shaft.

DRILLING REPORT
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#1-21 Pet. Inc. - Navajo
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Page Two

- 11-20-71 2362' and drilling (+134')
Deviation: 1° @ 2228'
Bit #7: Security S33, 2228' - drilling (134' in $3\frac{1}{2}$ hrs.)
WOB 40,000#; rpm 80; pump pressure 600#; 50 strokes/min;
MW 9.4; Vis 44; WL 16; cake 2/32; PH 10.5; sand $\frac{1}{2}\%$; plastic vis. 11;
YP 8; jell 5/11; sol 4%
 $3\frac{1}{2}$ hrs drilling; 1- $\frac{3}{4}$ hrs tripping; $14\frac{1}{2}$ hrs waiting on rotary table
shaft; $4\frac{1}{4}$ hrs installing same.
- 11-21-71 2870' and drilling (508')
Deviation: $3/4^{\circ}$ @ 2724'
Bit #7: Security 7-7/8 S33: 2228' - 2784' (496' in $16\frac{1}{4}$ hrs.)
Bit #8: 7-7/8 DGTH: 2284' - drilling (146' in $6\frac{1}{2}$ hrs.)
WOB 45,000#; rpm 48; WL 12.4; cake 2/32; PH 9.5; plastic vis. 13
Vis 42; YP 8; jell 3/9; sol 6%; 50 strokes/min; pump pressure 700#
 $20\frac{1}{4}$ hrs drilling; 2- $3/4$ hrs tripping; $\frac{1}{4}$ hr surveying; $\frac{1}{4}$ hr rig service;
 $\frac{1}{2}$ hr washing down to bottom.
- 11-22-71 3254' and tripping (+384')
Deviation: $\frac{1}{2}^{\circ}$ @ 3057'
Bit #8: 7-7/8 DGTH, 2224' - 3057' (333' in 16- $3/4$ hrs)
Bit #9: 7-7/8 S4T, 3057' - 3253' (196' in $8\frac{1}{4}$ hrs)
WOB 45,000#; rpm 75; pump pressure 750#; 50 strokes/min;
MW 10.3; Vis 43; WL 9.2; PH 11; plastic vis. 16; YP 7; jell 4/11;
sol 11%
 $17\frac{1}{2}$ hrs drilling; 5- $3/4$ hrs tripping; $\frac{1}{2}$ hr surveying; $\frac{1}{4}$ hr rig service.
- 11-23-71 3516' and drilling (+263')
Deviation: $\frac{1}{2}^{\circ}$ @ 3253'
Bit #10: 7-7/8" Hughes X1G, 3253' - 3470' (217' in 15 hrs)
Bit #11: 7-7/8" Smith DGTH, 3470' - drilling (46' in 3 hrs)
WOB 45,000#; rpm 70; pump pressure 850#; 50 strokes/min;
MW 10.1; Vis 44; WL 8.4; FC 2/32; PH 11; Plastic vis. 16; YP 6; jell 3/8
 $18\frac{1}{2}$ hrs drilling; 3- $3/4$ hrs tripping; $\frac{1}{4}$ hr rig service; $1\frac{1}{2}$ hrs wash to
bottom.
- 11-24-71 3856' and tripping (+340')
Deviation: $3/4^{\circ}$ @ 3709'
Bit #11: Smith DGTH, 3470' - 3709' (239' in $13\frac{1}{2}$ hrs)
Bit #12: Smith DGTH, 3709' - 3856' (147' in 7 hrs)
WOB 50,000#; rpm 70; pump pressure 850#; 50 strokes/min;
MW 9.8; Vis 40; WL 10; Cake 2/32; PH 11; Plastic Vis 11; YP 5; jell 3/6
 $17\frac{1}{2}$ hrs drilling; $4\frac{1}{4}$ hrs tripping; $\frac{1}{4}$ hr surveying; $\frac{1}{4}$ hr rig service;
 $\frac{1}{4}$ hr clean pits; $\frac{1}{2}$ hr wash 50' to bottom; 1 hr work on draw works
- 11-25-71 4034' and tripping (+178')
Deviation: $3/4^{\circ}$ @ 3709'
Bit #13: Smith VI, 3856' - 4034' (178' in 14- $3/4$ hours)
WOB 50,000#; rpm 70; pump pressure 800#; 50 spm.
MW 10, Vis. 42, WL 12, cake 2/32, pH 11.5, plastic Vis. 15, YP 6, jell 3/9
14- $3/4$ hrs drilling, 7 hrs. tripping, 1- $1/2$ hrs. working on drawworks chain,
 $3/4$ hr. wash to bottom.

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Page Three

- 11-26-71 4254' and drilling (+220')
Deviation: $3/4$ @ 4034'
Bit #14: Security S6, 4034' - 4161' (127' in $10\frac{1}{4}$ hrs.)
Bit #15: Hughes XIG, 4161 - drilling (93' in $8\frac{1}{4}$ hrs.)
WOB 50,000#, rpm 70, pump pressure 700#, 50 spm
MW 9.6, Vis. 30, WL 12, cake 2/32, pH 11.5, Plastic vis. 15, YP 6, jell 3/9
 $18\frac{1}{2}$ hrs. drilling, $4\frac{1}{2}$ hrs. tripping, $\frac{1}{4}$ hr. service rig, $\frac{1}{2}$ hr. clean pits,
 $\frac{1}{2}$ hr. wash 40' to bottom.
- 11-27-71 4515' and drilling (+261')
Deviation: 1° @ 4366'
Bit #15: 7-7/8" Hughes X16, 4161' - 4366' (205' in $17\frac{1}{4}$ hrs.)
Bit #16: 7-7/8" Security S44, 4366' - drilling (149' in 9 hrs.)
WOB 50,000#; rpm 70, pump pressure 800 #; 50 spm
MW 9.8; Vis 37; WL 11.6; cake 2/32; pH 11; Plastic vis. 10; YP 3; jell 4/8
18 hrs. drilling, $4\frac{1}{2}$ hrs. tripping, $\frac{1}{4}$ hr. survey, $\frac{1}{4}$ service rig; $\frac{1}{4}$ hr.
wash to bottom.
- 11-28-71 4712' and drilling (+197')
Deviation: 1° @ 4366'
Bit #16: 7-7/8" Security S44, 4366' - 4575' (209' in $14\frac{1}{4}$ hrs.)
Bit #17: 7-7/8" Hughes X16, 4575' - drilling (137' in $12-3/4$ hrs.)
WOB 50,000#; rpm 70; pump pressure 800#; 50 spm
MW 9.5; Vis 46; WL 11.6; cake 2/32; pH 11; Plastic Vis. 10; YP 3; jell 4/8
 $17-3/4$ hrs. drilling, $5\frac{1}{4}$ hrs tripping & strap pipe (5' correction),
 $\frac{1}{2}$ hr. repair; $\frac{1}{2}$ hr wash to bottom.
- 11-29-71 4910' and drilling in sand and shale (+198')
Deviation: 1° @ 4775'
Bit #17: Hughes 7-7/8" XIG, 4575' - 4775' (200' in 19 hrs.)
Bit #18: Security 7-7/8" M4NG, 4775' - drilling (135' in 13 hrs.)
WOB 50,000#; rpm 65; pump pressure 800#; 50 spm
MW 9.7; Vis. 38; WL 11.2; cake 2/32; pH 9.5; Plastic vis 10; YP 3; jell 3/10
 $19-1/4$ hrs. drilling; 4 hrs. tripping; $1/4$ hr. survey; $1/4$ hr. rig service,
 $1/4$ hr. wash to bottom.
- 11-30-71 5062' and drilling in sand and shale (+152')
Deviation: $\frac{1}{2}^{\circ}$ @ 4913'
Bit #18: Security 7-7/8" M4NG, 4775' - 4913' (138' in $13-3/4$ hrs.)
Bit #19: Reed 7-7/8" SCT, 4913' - drilling (149' in $17\frac{1}{2}$ hrs.)
WOB 40,000#; rpm 60; pump pressure 1000#; 50 spm
MW 9.7; Vis 55; WL 11.2; cake 2/32; pH 9.5; Plastic vis 10; YP 3; jell 3/10
 $18\frac{1}{4}$ hrs drilling; $4\frac{1}{4}$ hrs. tripping; $1\frac{1}{2}$ hrs. work on pump
- 12-1-71 5291' and drilling in sand and shale (+229')
Bit #19: Reed 7-7/8" SCT, 4913' - drilling (378' in $41\frac{1}{4}$ hrs.)
WOB 40,000#; rpm 58; pump pressure 1000#; 50 spm
MW 9.6; Vis 37; WL 8.8; cake 2/32; pH 12.5; plastic vis 11; YP 4; jell 3/5
 $23-3/4$ hrs drilling; $\frac{1}{4}$ hr rig service.
- 12-2-71 5516' and drilling in sand and shale (+225')
Deviation: $\frac{1}{2}^{\circ}$ @ 5448'
Bit #19: Reed 7-7/8" SCT, 4913' - drilling (603' in 65 hrs.)
WOB 40,000#; rpm 58; pump pressure 1000#; 50 spm
MW 9.6; Vis 36; WL 11.6; cake 2/32; pH 12; Plastic Vis 10; YP 3; jell 2/5
 $23-3/4$ hrs. drilling; $\frac{1}{4}$ hr. rig service
- Sample Tops: Organ Rock 3142'; Hermosa 4890' (+175')

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Page Four

- 12-3-71 5626' and drilling in sand and limestone (+110')
1 $\frac{1}{4}$ ⁰ @ 5564'
Bit #19: Reed 7-7/8" SCT, 4913' - 5564' (651' in 71 hrs.)
Bit #20: SCT, 5564' - drilling (62' in 10-3/4 hrs.)
WOB 45,000#; rpm 54; pump pressure 1000#; 50 spm
MW 9.7; Vis 40; WL 10.4; cake 2/32; pH 10.5; Plastic vis. 18; YP 14; jell 1/15
16-3/4 hrs drilling; 5-3/4 hrs. tripping; $\frac{1}{4}$ hr. survey; $\frac{1}{4}$ hr. rig service;
 $\frac{1}{2}$ hr. clean pits; $\frac{1}{2}$ hr. wash to bottom.
- 12-4-71 5835' and drilling in lime and shale (+209')
Bit #20: 7-7/8" Reed SCT 5564' - drilling (271' in 34 $\frac{1}{2}$ hrs.)
WOB 40,000#; rpm 45; pump pressure 1000#; 50 spm
MW 9.6; Vis 38; WL 11; cake 2/32; pH 11; Plastic vis. 13; YP 7; jell 5/11
23-3/4 hrs drilling; $\frac{1}{4}$ hr. rig service.
- 12-5-71 6038' and drilling in lime and shale (+203')
Bit #20: 7-7/8" Reed SCT 5564' - drilling (474' in 54-3/4 hrs.)
WOB 45,000#; rpm 54; pump pressure 1000#; 50 spm
MW 9.6; Vis 38; WL 11.8 cake 2/32; pH 11; Plastic vis. 11; YP 5; jell 2/5
20 $\frac{1}{4}$ hrs drilling; $\frac{1}{4}$ hr. rig service; 2 $\frac{1}{2}$ hrs. circulate samples; 1 hr.
condition mud.
- 12-6-71 TD 6146' and coming out of hole to log (108')
Deviation: $\frac{1}{2}$ ⁰ @ 6040'
Bit #20: 7-7/8" Reed SCT 5564' - 6040' (476' in 55 $\frac{1}{4}$ hrs.)
Bit #21: 7-7/8" Security M4NG, 6040' - 6146' (106' in 12 $\frac{1}{2}$ hrs.)
WOB 45,000#; rpm 65; pump pressure 1000#; 50 spm
MW 9.7; Vis 54; WL 11.2; pH 10.5; plastic vis 12; YP 2; jell 2/4
13 hrs. drilling; 5-3/4 hrs. tripping; 3/4 hr. repair hydromatic chain;
4 $\frac{1}{4}$ hrs. circulate samples & condition hole; $\frac{1}{4}$ hr. wash to bottom.
- Sample Tops: Ismay 5825' (-765'); Lower Ismay 5902' (-842'); Top
Desert Creek 6007' (-947')
- 12-7-71 Plugging @ 6155' TD
7 hrs. tripping; 2 hrs. circulate to plug; 9 $\frac{1}{2}$ hrs. logging; 3 hrs. run
collars in & lay down same; 2 $\frac{1}{2}$ hrs. plugging
Plugging data:
- | | | |
|------------|---------------|---------------|
| Plug No. 1 | TD - 5800' | 70 sx |
| Plug No. 2 | 4900' - 4800' | 29 sx |
| Plug No. 3 | 3050' - 2900' | 43 sx |
| Plug No. 4 | 1200' - 1000' | 57 sx |
| | | <u>210 sx</u> |

FINAL REPORT



1800 SECURITY LIFE BUILDING · AREA CODE 303 TEL. 623-4158 · DENVER, COLORADO 80202

April 24, 1972

State of Utah ✓
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah

Mr. P. K. Hurlbut
Minerals Department
Navajo Tribe
Box 146
Window Rock, Arizona 86515

Humble Oil & Refining Company
P.O. Box 1600
Midland, Texas 79701

Humble Oil & Refining Company
P.O. Box 120
Denver, Colorado 80201

Zoller & Danneberg Exploration
1380 Colorado State Bank Bldg.
Denver, Colorado 80202

Mr. H. E. Zoller
P.O. Box 6448
San Antonio, Texas 78209

Arapahoe Drilling Company
915 Midland Savings Building
Denver, Colorado 80202

Ipex Oil & Gas Ltd.
1270 Guinness House
Calgary, Alberta T2P 0Z5

Warrior Oil Company
1776 Lincoln Street
Denver, Colorado 80203

Re: #624-Navajo-116
SESW Section 6-42S-25E
San Juan County, Utah

Gentlemen:

Enclosed for your file is one copy of the Notice of Intention to Abandon and the Well Completion Report with a copy of the Daily Drilling Report, DST Chart and Logs.

Very truly yours,

RAYMOND T. DUNCAN

Marcia Little

Marcia Little

:ml
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other Instru on re-
verse side)

Form approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER Dry

2. NAME OF OPERATOR
Raymond T. Duncan

3. ADDRESS OF OPERATOR
1800 Security Life Building, Denver, Colorado 80202

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

SESW 6-42S-25E (2095 FWL x 628 FSL)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5460' GR

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-373

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
624 Navajo 116

10. FIELD AND POOL, OR WILDCAT
No Name

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
6-42S-25E

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 ON:	
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 ACIDIZM <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input 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.)*

Drilled with rotary tools to a total depth of 6312'.
Rang DST from 6218' to 6300'; recovered 5' mud; no shows.
No fresh water flows encountered in shallow beds.

Received permission to plug as follows:

- 65 SX 1900 - 2100'
 - 65 SX 3100 - 3300'
 - 65 SX 5000 - 5200'
 - 65 SX 6000 - 6200'
- Plug at surface w/DHM

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

SIGNED Lonil B. Bussanar TITLE Geologist DATE 4-24-72

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

FLUID SAMPLE DATA				Date	Ticket Number																																																																																																																																																													
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl.				4-12-72	480064																																																																																																																																																													
Kind of Job Tester Drilling Contractor EQUIPMENT & HOLE DATA				OPEN HOLE DAVIS ARAPAHOE DRILLING COMPANY	Halliburton District Witness FARMINGTON IRWIN NM																																																																																																																																																													
RESISTIVITY CHLORIDE CONTENT Recovery Water _____ @ _____ °F. _____ ppm Recovery Mud _____ @ _____ °F. _____ ppm Recovery Mud Filtrate _____ @ _____ °F. _____ ppm Mud Pit Sample _____ @ _____ °F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm Mud Weight _____ vis _____ 50 cp				Formation Tested _____ Akah Elevation _____ Ft. Net Productive Interval _____ 83' _____ Ft. All Depths Measured From _____ Rotary Kelly Bushing Total Depth _____ 6300' _____ Ft. Main Hole/Casing Size _____ 7 7/8" Drill Collar Length _____ 489' I.D. _____ 2 1/2" Drill Pipe Length _____ 5811' I.D. _____ 3.826" Packer Depth(s) _____ 6212' - 6217' _____ Ft. Depth Tester Valve _____ 6178' _____ Ft.																																																																																																																																																														
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Remarks Tool opened with a very weak blow for a 15 minute first flow. Closed tool for a 30 minute first closed in pressure. Tool reopened with no blow for a 30 minute second flow. Took a 60 minute second closed in pressure.																																																																																																																																																																		
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First Period	Flow Initial	27.5	18	53.9	93																																																																																																																																																													
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	Closed in	54.9	67	107.9	142		30																																																																																																																																																											
Second Period	Flow Initial	27.5	18	53.9	100																																																																																																																																																													
	Flow Final	27.5	18	53.9	94		30																																																																																																																																																											
	Closed in	54.9	54	107.8	131		60																																																																																																																																																											
Third Period	Flow Initial																																																																																																																																																																	
	Flow Final																																																																																																																																																																	
	Closed in																																																																																																																																																																	
Final Hydrostatic	3061.9	3099	3166.5	3171																																																																																																																																																														

Legal Location Sec. - Twp. - Rng. 6-24 - NAVAJO 626-116 6217' - 6300'
 Lease Name Well No. Test No. 1
 Field Ared WILDCAT
 County SAN JUAN
 Store UTAH
 Lease Owner/Company Name WALTER DUNCAN

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	5811'	
Drill Collars	5 3/4"	2½"	489'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	1"	5'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	4'	6178'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"		4'	6182'
Hydraulic Jar	5"	1"	5'	
VR Safety Joint	5"	1"	2'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.3"	5'	6212'
Distributor				
Packer Assembly	6 3/4"	1.3"	5'	6217'
Flush Joint Anchor	4½"	2½"	17.25'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars	5 3/4"	2½"	56.58'	
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	4½"	2½"	6'	
Blanked-Off B.T. Running Case	4½"		4'	6296'



1800 SECURITY LIFE BUILDING · AREA CODE 303 TEL. 623-4158 · DENVER, COLORADO 80202

May 1, 1972

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah

Mr. P. K. Hurlbut
Minerals Department
Navajo Tribe
P. O. Box 146
Window Rock, Arizona 86515

Humble Oil & Refining Company
P. O. Box 1600
Midland, Texas 79701

Humble Oil & Refining Company
P. O. Box 120
Denver, Colorado 80201

Zoller & Danneberg Exploration Ltd.
1380 Colorado State Bank Building
Denver, Colorado 80202

Mr. H. E. Zoller
P. O. Box 6448
San Antonio, Texas 78209

Arapahoe Drilling Company
915 Midland Savings Building
Denver, Colorado 80202

Ipex Oil & Gas Ltd.
1270 Guinness House
Calgary, Alberta T2P OZ5

Warrior Oil Company
1776 Lincoln Street
Denver, Colorado 80203

Re: #624-Navajo-116
SESW Section 6-42S-25E
San Juan County, Utah

Gentlemen:

Enclosed for your files is one copy of the Notice of Intention to Abandon re the above captioned well, approved by the U. S. G. S.

Very truly yours,

RAYMOND T. DUNCAN

Marcia Little

Marcia Little

:ml

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Serial No. 42-71

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-373

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

624 Navajo 116

10. FIELD AND POOL, OR WILDCAT

No Name

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

6-42S-25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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 Dry

2. NAME OF OPERATOR
Raymond T. Duncan

APR 20 1972

3. ADDRESS OF OPERATOR
1800 Security Life Building, Denver, Colorado 80202

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

SESW 6-42S-25E (2095 FWL x 628 FSL)

14. PERMIT NO.

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

5460' GR

18. 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.)*

Drilled with rotary tools to a total depth of 6312'. Rang DST from 6218' to 6300'; recovered 5' mud; no shows. No fresh water flows encountered in shallow beds.

Received permission to plug as follows:

65 sx 1900 - 2100'
65 sx 3100 - 3300'
65 sx 5000 - 5200'
65 sx 6000 - 6200'
Plug at surface w/DHM

APR 20 1972
U. S. GEOLOGICAL SURVEY
WASHINGTON, D. C.

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

SIGNED Louis P. Brannon

TITLE Geologist

DATE 4-24-72

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

APR 18 1972

P. I. McGRATH
DISTRICT ENGINEER

P. I. McGrath

*See Instructions on Reverse Side



1800 SECURITY LIFE BUILDING • AREA CODE 303 TEL. 623-4158 • DENVER, COLORADO 80202

21
PKB

July 16, 1973

Bob Coubry
Petroleum Inc.
500 Colorado State Bank Building
Denver, Colorado 80202

Re: Walter Duncan
Navajo - Pet Inc. 1-21
NWSE 21-41S-26E
San Juan County, Utah

Dear Mr. Coubry;

Enclosed please find a copy of the approved Notice of Intent to Abandon the above captioned well.

Very truly yours,

WALTER DUNCAN

(Miss) Jody Kennedy

JK

cc: Utah Division Oil & Gas Conservation w/enclosure
Minerals Department - Navajo Tribe w/enclosure



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (Other instructions on reverse side)

Form approved Budget Bureau No. 42-R1424

6. LEASE DESIGNATION AND SERIAL NO. NOO-C-14-20-3798

7. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. 1-21 Pet. Inc. Navajo

10. FIELD AND, POOL, OR WILDCAT Wildcat

11. SEC., T., E., M., OR BLM. AND SURVEY OR AREA 21-41S-26E SLM

12. COUNTY OR PARISH San Juan 13. STATE Utah

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 Dry

2. NAME OF OPERATOR Walter Duncan

3. ADDRESS OF OPERATOR 1800 Security Life Building, Denver, Colorado 80202

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

(2140 FSL x 2140 FEL) NWSE 21-41S-26E

14. PERMIT NO. 15. ELEVATIONS (Show whether DP, RT, CR, etc.) 5072' GR

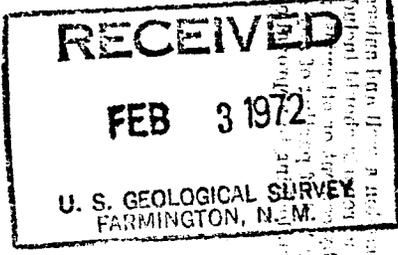
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data. Includes sections for NOTICE OF INTENTION TO (TEST WATER SHUT-OFF, FRACTURE TREAT, SHOOT OR ACIDIZE, REPAIR WELL, (Other)) and SUBSEQUENT REPORT ON (WATER SHUT-OFF, FRACTURE TREATMENT, SHOOTING OR ACIDIZING, (Other)).

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.)*

Test was drilled with rotary tools to a total depth of 6155'. No shows of oil or gas were encountered in either the Ismay or Desert Creek.

The well was plugged and abandoned as follows:

- Plug #1 TD - 5800' 70 SX
Plug #2 4900' - 4800' 29 SX
Plug #3 3050' - 2900' 43 SX
Plug #4 1200' - 1000' 57 SX
Plug #5 Surface with 10 SX
Dry Hole Marker



18. I hereby certify that the foregoing is true and correct. SIGNED [Signature] TITLE Geologist DATE 2-1-72

APPROVED

APPROVED BY [Signature] TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

P. I. McGRATH DISTRICT ENGINEER

*See Instructions on Reverse Side

SEND COPY TO PART.

WELL FILE

Handwritten initials

Vertical stamp: ENCLOSURE