

FILE NOTATIONS

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

Checked by Chief RSD  
 Copy NID to Field Office ✓  
 Approval Letter ✓  
 Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

Date Well Completed 12-12-60  
 OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_  
 GW \_\_\_\_\_ OS \_\_\_\_\_ PA ✓

Location Inspected HLC  
 Bond released \_\_\_\_\_  
 State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 1-30-61  
 Electric Logs (No. ) 2

E 1 E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_  
 Lat. ✓ Mi-L \_\_\_\_\_ Sonic ✓ Others \_\_\_\_\_

# THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

## NORTHERN PRODUCING DIVISION

MOUNTAIN AREA OPERATIONS

1575 SHERMAN STREET

DENVER 3, COLORADO

August 30, 1960

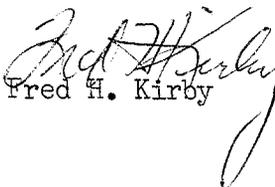
Mr. C. B. Feight, Executive Secretary  
Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Dear Mr. Feight:

We are enclosing in duplicate Notice of Intention to Drill Island Mesa Unit #1, located NW SW Section 22-30S-26E, San Juan County, Utah. Also enclosed in triplicate is plat showing location of this well.

The responsibility for filing all future reports on this well has been transferred to our District office at Moab, Utah. Therefore, we would appreciate your directing the approved copy of this Notice and any other correspondence pertaining to this well to The Pure Oil Company, P. O. Box 265, Moab, Utah, to the attention of Mr. W. W. Weir.

Yours very truly,

  
Fred H. Kirby

FHK:sm

Enclosures

cc: W. W. Weir - w/encls.

*aw*

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STATE OF UTAH  
**OIL & GAS CONSERVATION COMMISSION**

STATE CAPITOL BUILDING  
 SALT LAKE CITY 14, UTAH

Fee and Patented.....  
 State.....  
 Lease No. ....  
 Public Domain.....  
 Lease No. Utah 014811-B  
 Indian.....  
 Lease No. ....

Sec. 22 (See Plat attached)

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

Island Mesa Unit

August 30, 19 60

Well No. 1 is located 1980 ft. from ~~N~~S line and 660 ft. from ~~E~~W line of Sec. 22

NW-SW Sec. 22 30S 26E Salt Lake  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
-- San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ..... feet. (will be reported later)

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

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Proposed Casing Program:

- 75' - 20" Conductor (cemented to surface)
- 1,200' - 13-3/8" Surface casing (cemented to surface)
- 11,500' - 7" Production string (cemented approx. 400 sx.)

Principal objective is the McCracken formation.

Estimated total depth 11,500'.

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

Company The Pure Oil Company

Address 1575 Sherman  
Denver 3, Colorado

By Fred H. Kirby Fred H. Kirby  
 Title Asst. Chief Div. Prod. Clerk

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

# THE PURE OIL COMPANY LOCATION REPORT

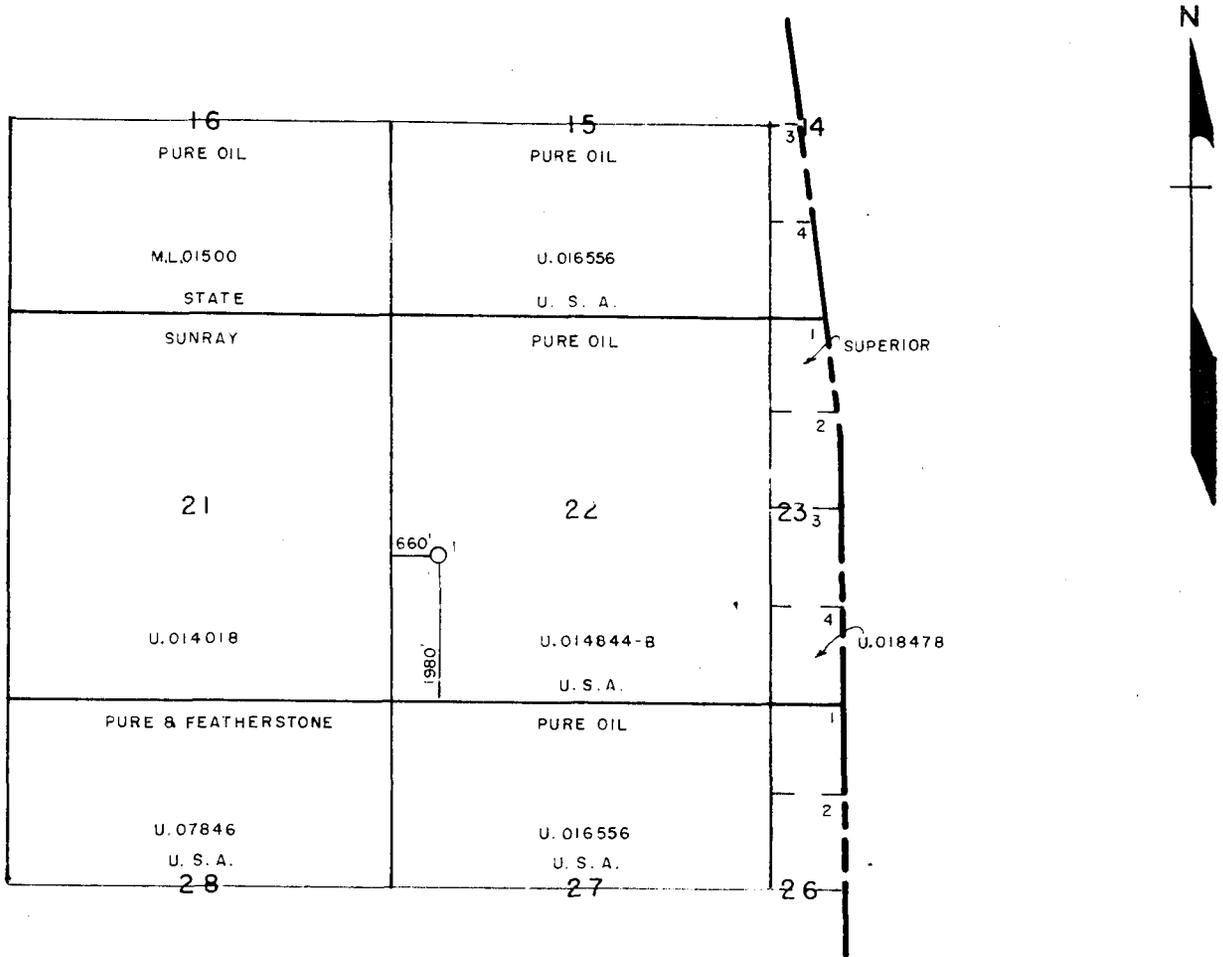
Date August 25, 1960 A.F.E. No. 331  
 Division Rocky Mountain Producing Prospect District Lisbon Valley Prospect Lease USA (Utah 014844-B)  
 Acres 640 (1040) Lease No. 8732 Elevation 6450' Grd. Well No. Unit #1 (Serial No. \_\_\_\_\_)  
 Island Mesa  
 Quadrangle NW SW Sec. 22 Twp. 30S Rge. 26E Blk. Dist. Twp.  
 Survey SIM County San Juan State Utah

Operator Pure Oil Company Map Utah 1 - 4

1980 Feet North of the South line of Section  
 660 Feet East of the West line of Section  
 Feet \_\_\_\_\_ of the \_\_\_\_\_ line of \_\_\_\_\_  
 Feet \_\_\_\_\_ of the \_\_\_\_\_ line of \_\_\_\_\_

**LEGEND**

- Location
- ☀ Gas Well
- Oil Well
- ☀ Gas-Distillate Well
- ⊘ or ⊙ Dry Hole
- ⊘ or ⊙ Abandoned Location
- ☀ or ☀ Abandoned Gas Well
- or ● Abandoned Oil Well
- or ⊙ Input Well



Scale 2" = 1 MILE

Remarks: Division of Interests to casing point - Pure 75%, Sunray Mid-Continent 25%.  
Completion costs of well No. 1 and total cost of any additional wells on Unit -  
Pure 50%, Sunray Mid-Continent 50%.

Submitted by *Ray L. ...* Civil Engineer Approved by \_\_\_\_\_ Division Manager  
 Approved by \_\_\_\_\_ Vice-President—General Manager

September 6, 1960

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

Attention: Mr. W. W. Weir

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Island Mesa Unit #1, which is to be located 1980 feet from the south line and 660 feet from the west line of Section 22, Township 30 South, Range 26 East, S1M, San Juan County, Utah.

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

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,  
EXECUTIVE SECRETARY

CBF:awg  
cc: Jerry W. Long, Dist. Eng.  
U.S. Geological Survey  
Durango, Colorado

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R350.4  
Approval expires 12-31-60.

LAND OFFICE Salt Lake  
LEASE NUMBER Utah 011844-B  
UNIT Island Mesa

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1960.

Agent's address P. O. Box 265 Company The Pure Oil Company  
Moab, Utah Signed J. B. Strong

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

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW SW Sec. 22 (Island Mesa)	30S	26E	1	-0-						Location Report: 1980' from south line and 660' from west line. Ground elevation 6450', KB elevation 6461'. Spudded 9-10-60. Set 1 jt. 20" OD casing at 43' with 28 sax of Cal-Seal. Drilled to 1133'. Set 13-3/8" OD casing at 1132', with 625 sax 50-50 Pozmix with 1/2% gel and 1/16 Flo-Cele per sack, followed with 100 sax Neat cement with 2% calcium chloride. Drilled to 4172'.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

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

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

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER Utah 011811-B  
UNIT Island Mesa

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1960,

Agent's address P. O. Box 245 Company The Pure Oil Company  
Moab, Utah Signed [Signature]

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

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE SW Sec. 22 (Island Mesa)	30S	26E	1	-0-			Drilled 4172' - 8318'. Sample Top Hermosa - 6870'.			

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

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

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

copy  
H.U.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER Utah 01184-B  
UNIT Island Mesa

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1960,

Agent's address P. O. Box 265 Company The Pure Oil Company

Moab, Utah Signed J. B. Strong

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

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW SW Sec. 22 Island Mesa	30S	26E	1	0			Drilled 8318-9288. at 9288 Nov. 12-1960. Drilled 9288-10,798. Sample Tops: Paradox "A" 9380 Paradox "B" 9650 Salt 9754 Base of Salt 10,451 Mississippian 10,660			Twisted off while drilling Recovered fish 11-16-60.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

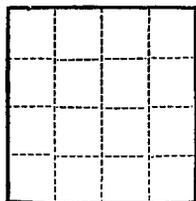
No runs or sales of gasoline during the month. (Write "no" where applicable.)

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

Copy to file 12

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

Form 9-331a  
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. Utah 011311-2  
Unit Island Mesa

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 RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<input checked="" type="checkbox"/>		

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

December 11, 1960

Island Mesa Unit

Well No. 1 is located 1900 ft. from 100 line and 660 ft. from EX line of sec. 22

NW 34 Sec. 22 37-S 26-E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~stratigraphic~~ <sup>ground</sup> above sea level is 6450 ft.  
KB elevation 6464 ft.  
DETAILS OF WORK

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

TD 11,421'.

Plan to Plug and Abandon as follows:

- 11,120' - 11,010' - 110' - 50 sx (Top of Devonian)
- 10,900' - 10,700' - 200' - 90 sx (Mississippian)
- 10,500' - 10,400' - 100' - 45 sx (Base of Salt)
- 9,800' - 9,700' - 100' - 45 sx (Top of Salt)
- 7,510' - 7,410' - 100' - 45 sx (Top of Hermosa)
- 1,600' - 1,500' - 100' - 45 sx (Top of Chinle)
- 1,132' - 1,082' - 50' - 45 sx (Base of surface casing)
- Surface to 10' - 10 sx (Top of surface casing)

Will install Well Marker according to U.S.G.S. Regulations.

Will leave heavy drilling mud between cement plugs.

Verbal approval obtained from Mr. Jerry Long on December 11, 1960.

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

Company The Pure Oil Company

Address P. O. Box 265  
Moab, Utah

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

copy  
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER Utah 011844-B  
UNIT Island Mesa

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1960,

Agent's address P. O. Box 265 Company The Pure Oil Company  
Moab, Utah Signed J. Blaney

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

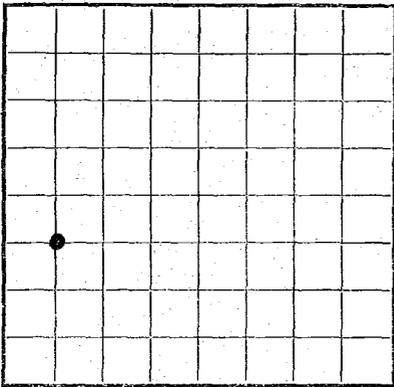
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW SW Sec. 22	30S	26E	1	-0-			Drilled 10,798' - 10,851'	- 10,851'		DST No. 1 10,702'-10,851', No test, packers failed. DST No. 2 10,722'-10,851'. Drilled 10,851'-11,421' T.D. Drilling completed at 5:30 p.m. 12-10-60. Ran electric logs to T.D. Well P & A 12-12-60. <u>FINAL</u>

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

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

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

U. S. LAND OFFICE Salt Lake  
SERIAL NUMBER Utah 014844-B  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Pure Oil Company Address P.O. Box 265 - Moab, Utah  
Lessor or Tract U. S. Government Field Wildcat State Utah  
Island Mega Unit  
Well No. 1 Sec. 22 T. 30S R. 26E Meridian Salt Lake County San Juan KB 6462'  
Location 1980 ft. <sup>[N.]</sup> of S. Line and 660 ft. <sup>[E.]</sup> of W. Line of NW SW, Sec. 22 Elevation Gr. 6450'  
(Derrick floor relative to sea level)

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

Signed J. B. Strong  
Title District Chief Clerk

Date January 27, 1961

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

Commenced drilling September 10, 1960. Finished drilling December 10, 1960.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
20"	94#	8-V	SS	43'	Coupling				Cemented to surface.
13-3/8"	48#	8-R	SS	1132'	Float				"

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	43'	28 sx	Halliburton		
13-3/8"	1132'	725 sx	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

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

FOLD MARK

**MUDDING AND CEMENTING RECORD**

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	43'	28 sx	Halliburton		
13-3/8"	1132'	725 sx	Halliburton		

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

Plugged and Abandoned \_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_  
 December 12, 60 \_\_\_\_\_ Dry Hole  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0-	503'	503'	Sand.
503'	1,133'	630'	Sand and shale.
1,133'	1,340'	207'	Sand.
1,340'	1,985'	645'	Sand and small stringers of lime.
1,985'	3,125'	1,140'	Sand and shale.
3,125'	3,385'	260'	Sand, shale and lime.
3,385'	4,315'	930'	Sand and shale.
4,315'	4,480'	165'	Lime and shale.
4,480'	4,661'	181'	Sand and lime.
4,661'	4,804'	143'	Sand, lime and shale.
4,804'	5,520'	716'	Sand and shale.
5,520'	5,784'	264'	Lime, sand and shale.
5,784'	5,918'	134'	Sand and shale.
5,918'	6,175'	257'	Sand, shale and lime, grading to lime streaks.
6,175'	6,705'	530'	Sand and shale.
6,705'	6,845'	140'	Sand.
6,845'	7,056'	211'	Sand and shale.
7,056'	7,140'	84'	Sand, shale and lime.
7,140'	7,320'	180'	Lime and shale.
7,320'	7,990'	670'	Sand, shale and lime.
7,990'	8,143'	153'	Lime and shale.
8,143'	8,236'	93'	Cherty lime and shale.
8,236'	8,686'	450'	Chert, lime and shale.
8,686'	8,790'	104'	Shale and lime.
8,790'	9,169'	379'	Sand, shale and lime.
9,169'	9,238'	69'	Lime and shale.

[OVER]

16-48094-4

JAN 30 1961

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION
9,238'	9,288	50'	Lime and chert.
9,288'	9,297'	9'	Lime, chert and shale.
9,297'	9,425'	128'	Lime and shale.
9,425'	9,527'	102'	Sand, lime and shale.
9,527'	9,621'	94'	Lime and shale.
9,621'	9,712'	91'	Sand, lime and shale.
9,712'	10,337'	625'	Salt.
10,337'	10,589'	252'	Lime.
10,589'	10,644'	55'	Lime and shale.
10,644'	10,798'	154'	Shale, lime and chert.
10,798'	10,878'	80'	Dolomite.
10,878'	11,095'	217'	Dolomite, shale and limestone.
11,095'	11,150'	55'	Dolomite.
11,150'	11,242'	92'	Dolomite and lime.
11,242'	11,300'	58'	Dolomite, shale and lime.
11,300'	11,381'	81'	Dolomite and sandy lime.
11,381'	11,421'	40'	Dolomite and lime.
		11,421'	TOTAL DEPTH

Halliburton DST No. 1, 10,702' - 10,854'. Packer failed.

Halliburton DST No. 2, 10,722' - 10,854'. Mississippian. Top packer set at 10,720', bottom packer set at 10,722'. Used 910' water cushion. Initial opening 3 minutes, initial shut in 30 minutes, open one hour, final shut in 30 minutes. Bottom choke 3/4", top choke 3/4". Tool opened one hour with good strong blow, decreased to fair blow in 20 minutes, died in 35 minutes. Recovered 910' fresh water (water cushion), 600' of drilling mud, 6824' of salt water. No gas or oil. Pressures: IH 6035, 30 minute ICI 3815, IF 2055, FF 3790, 30 minute FCI 3790, FH 6035, bottom hole temperature 190°.

IMPORTANT MARKERS

Chinle	1551'
Cutler	2136'
Hermosa	7457'
Paradox "A"	9413'
Paradox "B"	9689'
Salt	9741'
Salt Base	10,436'
Molas	10,595'
Mississippian	10,725'
Ouray	11,079'
Elbert	11,147'
McCracken	11,286'
Cambrian	11,378'