

Notice to Plug & Abandon 7- -65

**FILE NOTATIONS**

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

**COMPLETION DATA:**

Date Well Completed

1-29-58

Location Inspected

OW

WW

TA

Bond released

GW

OS

PAX

State of Fee Land

**LOGS FILED**

Driller's Log

3-3-58

Electric Logs (No. )

1

E

I

E-I

GR

GR-N

Micro

Lat

MI-L

Sonic

Others

Radio activity log

THE STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
Salt Lake City 14, Utah

March 29, 1956

Tonopah-North Star Tunnel & Dev Co  
Suite 200, 291 Geary St  
San Francisco, California

Gentlemen:

It has come to the attention of this office that well No. Gov't 1,  
which was drilled by you on Section 30,  
Twp. 26E, Range 20E, Grand County, has been  
completed, plugged and abandoned, or shut down as of about 12/17/55,  
1956.

Rule C-5 (a), General Rules and Regulations and Rules of Practice and  
Procedure, Utah Oil and Gas Conservation Commission, provides that with-  
in 90 days after the suspension of operations, abandonment of, or the  
completion of any well drilled for the production of oil or gas and  
within 90 days after the completion of any further operations on it,  
if such operations involved drilling deeper or drilling or re-drilling  
any formation, the well log shall be filed with the Commission, as well  
as a copy of the electric and radioactivity logs, if run.

If our information is correct, will you please forward the well log or  
logs to this office as required by the above mentioned rule. If our  
information is not correct, will you so notify us.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

ELSON D. FREIGHT

OWF:ero

LAW OFFICES  
OF  
H. WARD DAWSON, JR.  
291 GEARY STREET  
SAN FRANCISCO 2  
EXBROOK 2-1591

2nd April, 1956

The State of Utah  
Oil & Gas Conservation Commission  
Salt Lake City 14, Utah

Attention: Cleon B. Feight

Re: Tonopah North Star Tunnel and Development Company

Gentlemen:

Your letter of March 29th, 1956, directed to the Tonopah North Star Tunnel and Development Company has been received. You will recall it was in reference to Tonopah #1 being drilled on Section #30, Township 26 S., Range 20E, Grand County.

Your information that the well was shut down as of December 17th, 1955 is correct. Please be advised, however, that operations were resumed on March 14th, 1956.

On March 14th the hole was swabbed and drilling recommenced on March 15th. The hole had less than a 2% deviation at its then depth of 3,925 feet.

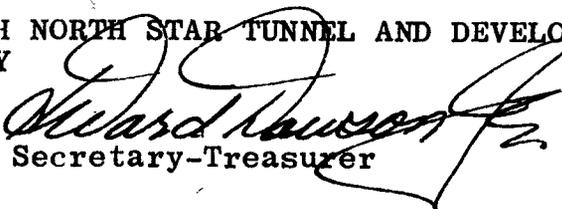
All necessary reports have been filed with the Bureau of Land Management and in accordance with your rules you will be supplied with copies of all logs within 90 days after conclusion of drilling. The shutdown was occasioned by litigation which has since been settled. At the depth of 3,925 feet no sand of sufficient perocity for commercial production had been encountered.

In the event this company has misunderstood or misinterpreted your rule under the foregoing facts, kindly advise and any failure on this company's part will be immediately corrected.

Very truly yours,

TONOPAH NORTH STAR TUNNEL AND DEVELOPMENT  
COMPANY

By

  
Secretary-Treasurer

HWDjr:mw

LAW OFFICES  
OF  
H. WARD DAWSON, JR.  
291 GEARY STREET  
SAN FRANCISCO 2  
EXBROOK 2-1591

24th July, 1956

State of Utah Oil and Gas  
Conservation Commission  
Salt Lake City, Utah

Attention: Cleon B. Feight

Gentlemen:

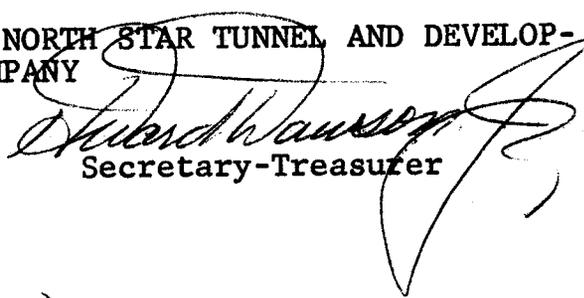
Enclosed herewith please find Lane-Wells Radio-activity Log run on Tonopah #1 located in Section 30, Township 26 S., R. 20 E., SLM, Grand County Utah.

You will note that there is an error on the location on the Radioactivity Log in that it should show Section 30 instead of Section 3. I believe this should be corrected, but did not want to do so until filing it with you.

Very truly yours,

TONOPAH NORTH STAR TUNNEL AND DEVELOPMENT COMPANY

By

  
Secretary-Treasurer

HWDjr:mw

LAW OFFICES  
OF  
H. WARD DAWSON, JR.  
291 GEARY STREET  
SAN FRANCISCO 2  
EXBROOK 2-1591

6th September, 1956

State of Utah  
Oil and Gas Conservation Commission  
Salt Lake City, Utah

Attention: Cleon Feight

Gentlemen:

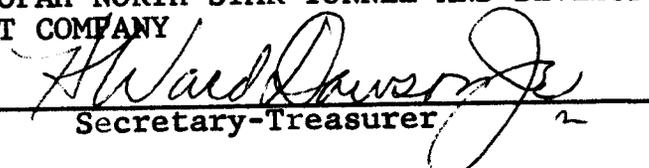
Enclosed herewith please find copy of U. S. Government form 9-330 Log of Oil or Gas Well which was this day filed with the Federal Government.

This log of Oil or Gas Well is for Tonopah No. 1 located in section 30, T 26 S., R 20 E, Salt Lake Meridian, Utah.

Very truly yours,

TONOPAH NORTH STAR TUNNEL AND DEVELOPMENT COMPANY

By

  
Secretary-Treasurer

HWDjr:mw

Salt Lake City, Ut.  
U. S. LAND OFFICE  
SERIAL NUMBER U-0659906659  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

x									

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tonopah North Star Tunnel & Development Co. Address 291 Geary St., San Francisco, Calif.  
Lessor or Tract H. Ebsen Field Big Flat State Utah  
Well No. 1 Sec. 30 T. 26S R. 20E Meridian S.L.M. County Grand  
Location 330 ft. S of N Line and 990 ft. E of W Line of Sec. 30 Elevation 5970  
(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 Edward Murray Title Geologist  
Date Sept 5, 1956

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

Commenced drilling July 9, 1955 Finished drilling \_\_\_\_\_

OIL OR GAS SANDS OR ZONES

(Denote gas by 'G')

No. 1, from 4030 to 4035 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 4265 to 4280 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 2105 to 2118 No. 3, from 4168 to 4190  
No. 2, from 2405 to 2428 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-	
<u>16"</u>	<u>48.7</u>	<u>8 &amp; 10</u>	<u>---</u>	<u>20 ft.</u>	<u>none</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Conductor</u>
<u>13 3/8"</u>	<u>40.5</u>	<u>---</u>	<u>---</u>	<u>1235 ft.</u>	<u>str.</u>	<u>all pulled</u>	<u>---</u>	<u>---</u>	<u>Cave shut-off</u>
<u>10 5/8"</u>	<u>40.5</u>	<u>---</u>	<u>---</u>	<u>2670 ft.</u>	<u>float</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Water shut-off</u>
<u>7"</u>	<u>20.23</u>	<u>8 &amp; 10</u>	<u>---</u>	<u>4220 ft.</u>	<u>float</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Water shut-off &amp; prod.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>16"</u>	<u>20 ft.</u>	<u>---</u>	<u>Cemented full length for conductor string.</u>	<u>---</u>	<u>---</u>
<u>10 3/4"</u>	<u>2670 ft.</u>	<u>150 sx</u>	<u>Displaced with Halliburton plug.</u>	<u>---</u>	<u>---</u>
<u>7"</u>	<u>4220 ft.</u>	<u>300 sx</u>	<u>Displaced with Halliburton plug.</u>	<u>---</u>	<u>---</u>

PLUGS AND ADAPTERS

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

SHOOTING RECORD

FOLD MARK

FOLD MARK

10 7" 2070 ft. 150 sx Displaced with Halliburton plug.  
 7" 4220 ft. 300 sx Displaced with Halliburton plug.

**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 Surface feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

July 9 \_\_\_\_\_, 19 55

*Production test June 6, 1956  
 Put to production because of Superior  
 water recovery & stability  
 could not be controlled.  
 Gravity, Be. 51*

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of \_\_\_\_\_% water and \_\_\_\_\_% sediment.

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

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

**EMPLOYEES**

Ferrel Bros., Contractor, Driller XXXX \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM--	TO--	TOTAL FEET	FORMATION
Surface	150	150	Kayenta fm: Sandstone series—white, reddish-brown, tan, rose, to lavender, fine to coarse grained, generally calcareous, micaceous and ferruginous in part. Interbedded with red to purple shale and siltstone.
150	460	310	Wingate fm: Sandstone - tan, reddish-brown, massive, generally fine to medium grained and friable.
460	803	343	Chinle fm: Upper portion 460-680 -- series of interbedded and intergrading red shales, maroon & brown shales, red-brown-white-lavender & pink sandstones. Generally silty, micaceous, shales bentonitic in part, calcareous. Lower portion OVER.

[OVER]

FORMATION RECORD CONTINUED

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION
contd.	803		Chinle fm: Lower portion 680-803 -- series of sandstones, shales, and siltstones -- gray, blue-gray, greenish-gray, generally calcareous and micaceous, glauconitic and pyritic in part, conglomeratic in part, carbonaceous in part.
803	1260	457	Moenkopi fm: interbedded series of chocolate brown shales and siltstones, and brown-buff-white sandstones, generally micaceous.
1260	2048	788	Outler fm: Upper portion reddish-brown to purplish-brown sandstone, generally micaceous, calcareous, and silty, argillaceous in part. White Rim member -- missing or re-worked. Lower portion, sandstone, red, pink, brown, to purplish, arkosic in part, calcareous, argillaceous, micaceous.
2048	2586	538	Rico fm: series of sandstone and arkose similar to Outler fm, but with more lavender and brownish casts. Shale and siltstones interbedded, and with limestone series at the top.
2586	4228	1642	Hermosa fm: white to gray limestone, pink to flesh arkose, and brown to lavender sandstones and siltstones in upper 300 ft. Remainder a series of white to gray limestones, sandstones and siltstones, fossiliferous and cherty in part.
4228	<u>total</u>	<u>4228</u>	Paradox fm: series of anhydrite, gray to black shales and siltstones, gray to brownish sandstones, occasional limestone and dolomite, and salt. Top of salt <del>unconformity</del>

5000

## HISTORY OF OIL OR GAS WELL

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

Well spudded 9 July 1955 with 48-L Bucyrus-Erie Rig, Ferrel Bros, Contractors. Set 20 ft. of 16" conductor casing and cemented full length. Ran 125 ft. of 12 3/8" casing to hold back save while 10 3/4" was run, it was pulled after 10 3/4" was in.

Encountered salt water zone 2105-2117 which bailed approx. 5 bph, 26,000 ppm chloride, not sufficient pressure to flow.

Encountered 2nd salt water zone 2405-2428 which rose approx 750 ft. in hole and remained at that level, 39,000 ppm chloride.

The 10 3/4" casing was run to a depth of 2670 and cemented with 150 sx as a water shut-off of the above zones. Well deepened to a depth of 3022 when it was shut down on 19 December 1955.

Operations resumed March 1956 and approx. 600 ft. of salt water had accumulated in hole, tested 130,000 ppm chloride, source not determined.

A slight show of free, green oil was encountered at a depth of 4030-4035.

Another (3rd) salt water zone was encountered at 4168-4190, rose approx. 180 ft. in hole, bailed down in 1 day, tested 209,000 ppm chloride. Oil zone at 4030-4035 still making several gallons per day.

Show of oil encountered in zone 4265-4280 on 5 April 1956. Bailing tests produced 1 bph which was a mixture of oil from this zone and water from above. Oil is live-free, green in reflected light and brown in transmitted light, some gas present, gravity -- 37 Baume'.

4220 ft. of 7" casing was run and cemented with 300 sx on 22 April 1956 to shut off water at 4168-4190, and to proceed with testing oil zone.

Hole cleaned out and two treatments of 500 gal. each of 7% mud acid were carried out 11th to 14th of May 1956.

Well treated by

Halliburton with sand frac May 19th and on May 20th and 21st swabbing was done which was discontinued because of quantity of gas developed. May 21st through May 30th bailed sand out of hole preparatory to running tubing. Tubing was run and well was put on 150 barrels per day capacity pumped June 6th, 1956. Well pumped salt water for four days and thereafter pumped sulphur water until pumping discontinued July 10th, 1956. An average of 100 barrels per day of sulphur water was pumped, however sulphur water could not be removed or controlled. The exact height of water in the well at the present time is unknown.

# THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

ROCKY MOUNTAIN PRODUCING DIVISION  
1700 BROADWAY  
DENVER 2, COLORADO

November 18, 1957

Mr. C. B. Feight  
Secretary  
Utah Oil & Gas Conservation Commission  
Room 140 - State Capitol Building  
Salt Lake City, Utah

Dear Mr. Feight:

Enclosed in duplicate is Notice of Intention to Deepen Pure-Hobson USA No. 1, located in Section 30, 26S, 20E, Grand County, Utah.

This well was originally drilled by Tonopah North Star Tunnel and Development Co., as the U. S. Government No. 1 and was completed December 17, 1956. We assume you have the location plats on file for this well.

Yours very truly,



T. L. Warburton  
Division Chief Production Clerk

TLW:dek

Encl.

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

OIL AND GAS CONSERVATION COMMISSION

November 18, 19 57

In compliance with Rule C-4, notice is hereby given that it is our intention to commence deepening Pure-Hobson USA (N) the work of ~~drilling~~ Well No. 1, which is located 330 ft from ( ) line and ~~220~~ 1053 ft. (S) from ( ) line of Sec. 30, Twp. 26S, R. 20E, Salt Lake, Wildcat (Meridian) (Field or Unit)

Grand, on or about 5th day of December, 19 57. (County)

LAND: Fee and Patented ( ) State ( ) Lease No. Public Domain (X) Lease No. Utah 06659

Name of Owner of patent or lease Joe S. Hobson Address 3387 Lakeside Drive Reno, Nevada

Is location a regular or exception to spacing rule? Regular Has a surety bond been filed? Yes With whom? Federal Area in drilling unit 640 acres (State or Federal) Elevation of ground above sea level is to be furnished later ft. All depth measurements taken from top of Kelley Bushing which is - ft above ground (Derrick Floor, Rotary Table or Kelley Bushing) Type of tools to be used ROTARY Proposed drilling depth 8000 ft. Objective formation is Mississippian

PROPOSED CASING PROGRAM

Size of Casing Weight Per Grade and Type Amount Top Bottom Cementing Depths Inches A.P.I. Foot Ft. In.

5" OD Liner below present 7" Casing if well is producer.

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 Notice of Intention to Deepen Date 11-20 19 57 By Glen B. Feight TITLE Secretary

By Division Chief Production Clerk (Title or Position) THE PURE OIL COMPANY (Company or Operator) Address 1700 Broadway Denver 2, Colorado

INSTRUCTIONS:

- 1. 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.
2. 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.
3. 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.
4. Use back of form for remarks.

November 20, 1957

The Pure Oil Company  
1700 Broadway  
Denver 2, Colorado

Attention: T. L. Warburton, Division Chief Production Clerk

Gentlemen:

This is to acknowledge receipt of your notice of intention to deepen Well No. Pure-Hobson USA 1, which is located 330 feet from the north line and ~~990~~ <sup>725</sup> feet from the west line of Section 30, Township 26 South, Range 20 East, S1EM, Grand County, Utah.

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

As a plat has never been filed with us on this well, it would be greatly appreciated if you could furnish us with one.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
SECRETARY

CBF:en

cc: Don Russell  
USGS, Fed. Bldg.  
City

'P.S...We are enclosing some of our Forms OGCC-1, Sundry Notices & Reports on Wells, and Forms OGCC-4, Report of Operations & Well Status Report, for your use in filing future reports.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 19 57,

Agent's address 1700 Broadway Company The Pure Oil Company

Denver, Colorado Signed [Signature]

Phone Tabor 5-1181 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (Pure-Hobson USA)	26S	20E	1							Present depth 4280'. Rigging up. Preparing to deepen.

DEC 18 1957

Note.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

# THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

ROCKY MOUNTAIN PRODUCING DIVISION

1700 BROADWAY

DENVER 2, COLORADO

December 3, 1957

Mr. C. B. Feight  
Secretary  
Utah Oil & Gas Conservation Commission  
Room 140 - State Capital Building  
Salt Lake City, Utah

Dear Mr. Feight:

In compliance with your request of November 20th, we are enclosing Location Plat in triplicate covering the Pure-Hobson USA Well No. 1, Section 30-26S-20E, Grand County, Utah.

After filing Notice of Intention to Deepen well, this company had the location resurveyed which you will note on the attached identifying the location as 350' from north line and 1055' from west line of Section 30. Please correct your copy of Notice of Intention to Deepen accordingly or, if you prefer, we will submit corrected Notice.

Yours very truly,



T. L. Warburton  
Division Chief Production Clerk

TLW:dek

Enclosure

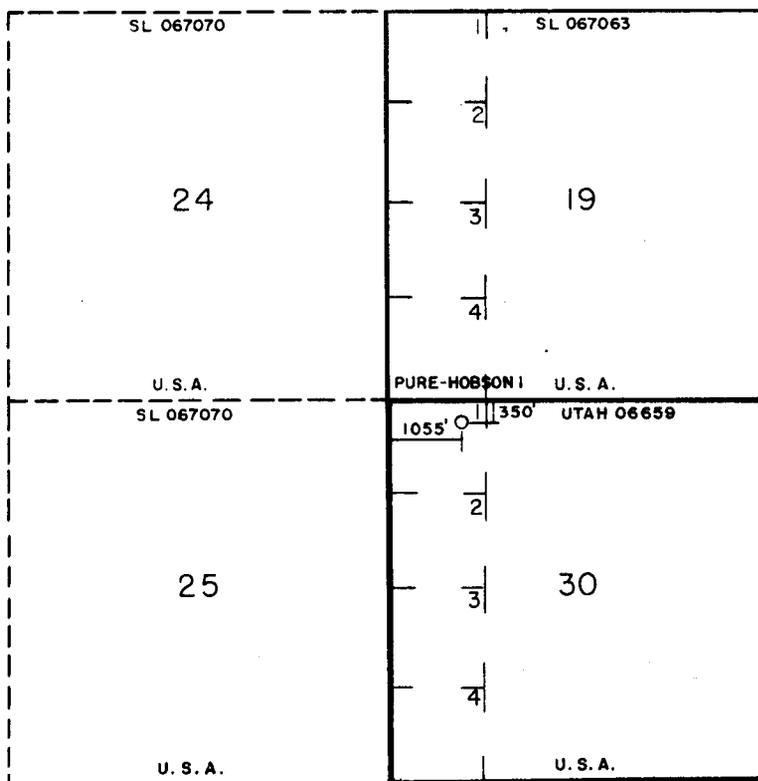
# THE PURE OIL COMPANY LOCATION REPORT

Date November 21, 1957 A.F.E. No. 214  
 Division Rocky Mtn. Prod. District Big Flat Lease U.S.A. (Utah 06659)  
 Acres 318.30 (1/2 of 367.50) Lease No. 0-7286 Elevation 5957 Cr. Well No. 1 (Serial No. Pure-Hobson)  
 Quadrangle Lot 1 Sec. 30 Twp. 26-3 Rge. 20-E Blk. Dist. Twp.  
 Survey Salt Lake Meridian County Grand State Utah  
 Operator The Pure Oil Company Map \_\_\_\_\_

\_\_\_\_ Feet from North Line of Lease  
 " " East " " "  
 " " South " " "  
 " " West " " "  
350 Feet from North Line of Section  
4,202 " " East " " "  
4,230 " " South " " "  
1,055 " " West " " "

**LEGEND**

- Gas Well
- Oil Well
- Gas - Distillate Well
- or Dry Hole
- Dry Showing Oil
- Dry Showing Gas
- Abandoned Location
- or Abandoned Gas Well
- or Abandoned Oil Well
- or Input Well



NOTE:  
ALL LEASES ARE PURE ET AL

Scale 2" = 1 MILE

Remarks: \_\_\_\_\_  
 Submitted by \_\_\_\_\_ Approved by \_\_\_\_\_  
 \_\_\_\_\_ Civil Engineer \_\_\_\_\_ Division Manager  
 \_\_\_\_\_ Approved by \_\_\_\_\_  
 \_\_\_\_\_ Vice-President General Manager

THE PURE OIL COMPANY  
LOCATION REPORT

Date November 21, 1957

A.F.E. No. 211

Division Rocky Mtn. Prod. District Big Flat Lease U.S.A. (Utah 06659)

Aores 318.80 (1/2 of 367.60) Lease No. 0-7286 Elevation 5957 Cr. Well No. 1 (Serial No. \_\_\_\_\_)

Quadrangle Lot 1 Sec. 30 Twp. 26-S Rge. 20-E Blk. Dist. Twp.

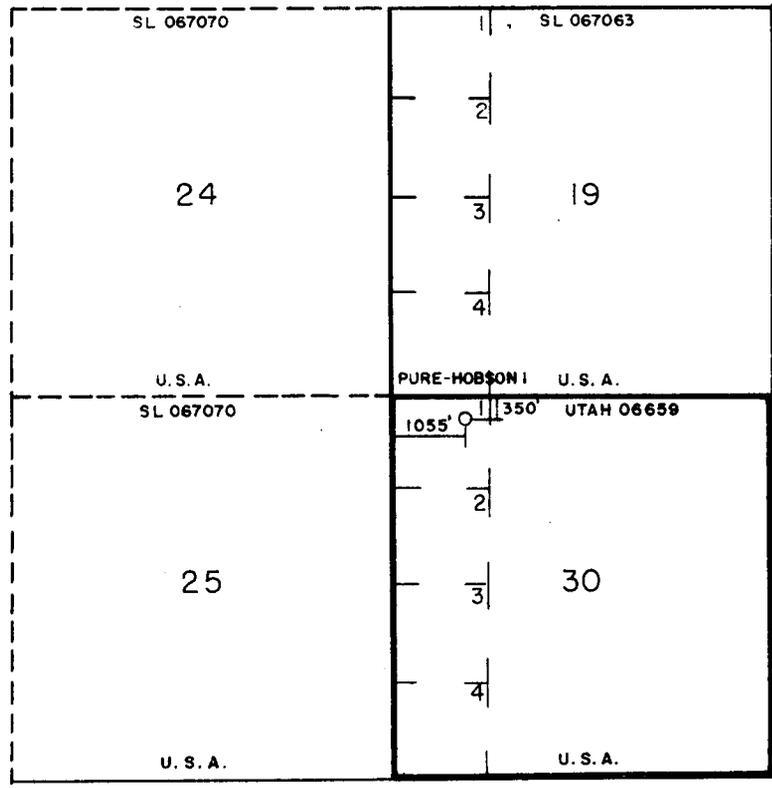
Survey Salt Lake Meridian County Grand State Utah

Operator The Pure Oil Company Map \_\_\_\_\_

_____	Feet from North Line of Lease
_____	" " East " " "
_____	" " South " " "
_____	" " West " " "
<u>350</u>	Feet from North Line of Section
<u>4,202</u>	" " East " " "
<u>4,930</u>	" " South " " "
<u>1,055</u>	" " West " " "

LEGEND

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



NOTE:  
ALL LEASES ARE PURE ET AL

Scale 2" = 1 MILE

Remarks: \_\_\_\_\_

Submitted by \_\_\_\_\_ Approved by \_\_\_\_\_  
 \_\_\_\_\_ Civil Engineer \_\_\_\_\_ Division Manager  
 \_\_\_\_\_ Approved by \_\_\_\_\_  
 \_\_\_\_\_ Vice-President General Manager

MAR 3 1958

**BIG FLAT PROSPECT**

**NEEDON U.S.A. #1 (GMD)**

**NE NW NW Sec. 20, T. 22S., R. 20E.**

**500' FWL & 1000' FWL**

**GRAND COUNTY, UTAH**

**STUDED DECEMBER 7, 1957**

**COMPLETED JANUARY 20, 1958**

**SAMPLE ANALYSIS BY V. O. GUSTAFSON**

PENNSYLVANIA 1921

<u>Formation</u>	<u>Sample *</u>	<u>Sample No.</u>
Jurassic	Spade	Spade
Rayata	157	162
Wingate	407	470
Triassic	407	470
Clinton	407	470
Hemlock	210	775
Permian	1207	1210
Grtler	1207	1210
Rice	2002	2002
Pennsylvanian	2002	2012
Hemlock	2002	2012
Upper Hemlock	2002	2012
Furder	4007	4002
Salt	4007	4001
Total Depth	6074	6075

\* Sample points are those of J. M. Ruby.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
06659  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

LESSEE'S MONTHLY REPORT OF OPERATIONS

127.58

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1957

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed J. H. Harbur

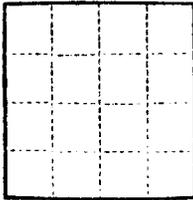
Phone AMherst 6-3331 Agent's title Division Chief Production Clerk

SEC. AND ¼ OF ¼	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)
NW¼ NW¼ Sec. 30 (Pure-Hobson USA)	26S	20E	1							Started deepening December 5, 1957. Drilled from 4280' to 4957'. Lost circulation while drilling at 4957. Mixed lost circulation material and spotted cement plugs, drilled from 4957 to 4966', with no returns. Regained circulation 12-30-57 and drilled from 4966' to 5042'.

8291 USUAL

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold; None 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.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. Utah 06659  
Unit

H.  
1-27-58

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 .....	

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

January 14, 1958

Pure-Hobson USA  
Well No. 1 is located 350 ft. from ~~N~~ line and 1055 ft. from ~~E~~ line of sec. 30

NW 1/4, NW 1/4, Sec. 30 26-S 20-E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~land surface~~ above sea level is 5957 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)

January 13, 1958

Set 5-1/2" OD 17# Extreme Line N-80 R-3 Spang Casing at 5546', cemented with 50 sacks Regular cement, 50 sacks Pozmix, with 2% Halco Gel and 20% Salt.

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

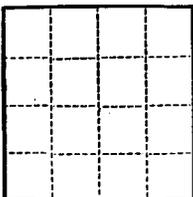
Address 1700 Broadway

Denver 2, Colorado

By T. L. Warturton  
Title Division Chief Production Clerk

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake  
Lease No. Flash 04629  
Unit \_\_\_\_\_



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

*Notes*  
*2-17*

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)

January 30, 1958

Pure-Subcon 721

Well No. 1 is located 150 ft. from [N] line and 1005 ft. from [W] line of sec. 30

24-2 Sec. 30  
(1/4 Sec. and Sec. No.)

24-2  
(Twp.)

20-N  
(Range)

Salt Lake  
(Meridian)

Wildcat  
(Field)

Grand  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~ground~~ <sup>ground</sup> above sea level is 5257 ft.  
23 elevation is 5266 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)

T.B. 667 $\frac{1}{2}$ ' - 5-1/2" OD casing set at 5266'.

Plan to Plug as follows:

667 $\frac{1}{2}$ ' to 657 $\frac{1}{2}$ ' - 100' - 11 cu. cement.

657 $\frac{1}{2}$ ' to 5700' - 843' - Salt water.

5700' to 5320' - 188' - 20 cu. cement. (25' of cement in bottom of 5-1/2" casing.)

Propose to complete well as salt water producer to furnish salt water for future drilling operations in Big Flat Area.

Verbal approval obtained January 29, 1958.

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 1700 Broadway

Denver 2, Colorado

By T. L. Warburton  
T. L. Warburton

Title Division Chief Production Clerk

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

LESSEE'S MONTHLY REPORT OF OPERATIONS

71-18  
3-17

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 19 58,

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed H. Harshbarger

Phone AMherst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (Pure-Hobson USA)	26S	20E	1							Drilled from 5042 feet to 5442 feet. Hit water flow. Mixed lost circulation material and drilled from 5442 feet to 5460 feet without circulation. Pumped mud and lost circulation material in hole. Drilled from 5460 feet to 5510 feet with partial returns and drilled from 5510 feet to 5546 feet with no returns. Set 5-1/2" OD casing at 5546 feet, cemented with 50 sacks regular cement and 50 sacks Pozmix. Drilled from 5546 feet to 6674 feet. Ran electric logs. Well plugged January 29, 1958.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None runs or sales of gasoline during the month. (Write "none" 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE **Salt Lake**  
LEASE NUMBER **06659**  
UNIT

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State **Utah** County **Grand** Field **Wildcat**

The following is a correct report of operations and production (including drilling and producing wells) for the month of **February**, 19**58**,

Agent's address **1700 Broadway** Company **The Pure Oil Company**  
**Denver, Colorado**

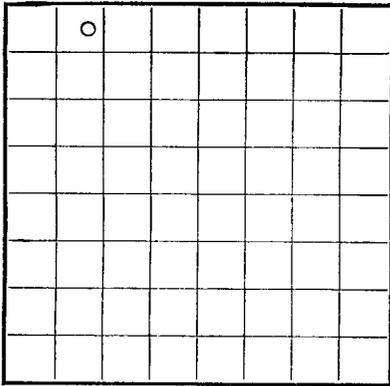
Phone **AMherst 6-3331** Signed *[Signature]* Agent's title **Division Chief Production Clerk**

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)
<b>NW 1/4 NW 1/4 Sec. 30 (Pure-Hobson USA)</b>	<b>26S</b>	<b>20E</b>	<b>1</b>							<b>Well temporarily abandoned.</b>

NOTE.—There were **None** runs or sales of oil; **None** M cu. ft. of gas sold;

**None** 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.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Salt Lake  
SERIAL NUMBER Utah 06659  
LEASE OR PERMIT TO PROSPECT .....

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

DEEPENING  
**LOG OF OIL OR GAS WELL**

Company The Pure Oil Company Address 1700 Broadway - Denver 2, Colorado  
Lessor or Tract U.S. Government Field Wildcat State Utah  
Pure-Hobson USA  
Well No. 1 Sec. 30 T. 26S R. 20E Meridian Salt Lake County Grand  
Location 350 ft. AX of N Line and 1055 ft. AXX of W Line of Sec. 30 Elevation 5967.75' KB  
S. Gr. (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 [Signature]

Date February 28, 1958 Title Division Chief Production Clerk

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

Commenced deepening drilling December 5, 1957 Finished deepening drilling January 28, 1958

**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—	
<u>5-1/2"</u>	<u>17#</u>	<u>Extreme Line</u>	<u>NSS</u>	<u>5546'</u>	<u>Float</u>				<u>Liner</u>

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5-1/2"</u>	<u>5546'</u>	<u>100 ex.</u>	<u>Halliburton</u>		

**PLUGS AND ADAPTERS**

Heaving plug—Material ..... Length ..... Depth set .....  
Adapters—Material ..... Size .....

LD MARK

casing	where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5-1/2"	5546'	100 sck.	Halliburton		

LD MARK

**PLUGS AND ADAPTERS**

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

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from 4280 feet to 6674 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

**Well Plugged**  
January 29, \_\_\_\_\_, 1958 Put to producing Dry Hole, 19\_\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

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

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
4280'	4359'	79'	Salt.
4359'	4384'	25'	Salt and shale.
4384'	4448'	64'	Salt and anhydrite.
4448'	4560'	112'	Shale and anhydrite.
4560'	4660'	100'	Shale, anhydrite and salt.
4660'	4871'	211'	Salt and anhydrite.
4871'	4957'	86'	Salt, anhydrite and dolomite.
4957'	5442'	485'	Salt.
5442'	5460'	18'	Dolomite.
5460'	5667'	207'	Salt.
5667'	6005'	338'	Salt and dolomite.
6005'	6031'	26'	Core No. 1 - See reverse side.
6031'	6352'	321'	Salt.
6352'	6381'	29'	Core No. 2 - See reverse side.
6381'	6410'	29'	Core No. 3 - See reverse side.
6410'	6439'	29'	Core No. 4 - See reverse side.
6439'	6468'	29'	Core No. 5 - See reverse side.
6468'	6674'	206'	Salt.
		<b>6674'</b>	<b>TOTAL DEPTH</b>

Well formerly drilled to total depth of 4280' by Tonopah North Star & Development Company.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
<b>Core No. 1</b>	6005' to 6031'	Cut 26'	Rec. 26'
6'			- Black shale, slightly dolomitic.
12-1/2'			- Anhydrite, (with dark gray to black shale,) slightly dolomitic.
7-1/2'			- Salt.
<b>Core No. 2</b>	6352' to 6381'	Cut 29'	Rec. 29'
29'			- Salt.
<b>Core No. 3</b>	6381' to 6410'	Cut 29'	Rec. 26'
26'			- Salt.
<b>Core No. 4</b>	6410' to 6439'	Cut 29'	Rec. 29'
6'			- Salt.
2'			- Anhydrite with thin partings of shale, random fractures, faint odor and fluorescence.
1'			- Salt with random fractures.
4'			- Black shale with random fractures, slight odor.
3-1/2'			- Anhydrite, black shale, slight odor and fluorescence.
12-1/2'			- Salt.
<b>Core No. 5</b>	6439' to 6468'	Cut 29'	Rec. 23'
23'			- Salt.

Halliburton DST No. 1 from 6364' to 6468'. Ran Halliburton Hydra Spring Test Tool, two 4" Packers, 104' anchor. Opened tool at 5:12 p.m., closed at 5:42 p.m. Open 30 minutes, shut in 20 minutes. Very weak blow at start, decreasing to zero in 15 minutes. Recovered 145' drilling mud. Pressures: IF 90, FF 110, Shut In 200, Hyd. 3930.

**IMPORTANT MARKERS**

Wingate	142'
Chinle	470'
Hermosa	2612'
Salt	4281'

MAR 3 1958

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 19 58.

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed [Signature]

Phone Amherst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (See Taber 2151)	26S	20E	1							Well temporarily abandoned.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold; None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5  
Approval expires 12-31-60.  
**Salt Lake**

LAND OFFICE 06659  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1958,

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed [Signature]  
Phone AMherst 6-3331 Agent's title Division Chief Production Clerk

SEC. AND ¼ OF ¼	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)
NW¼ NW¼ Sec. 30 (Pure-Hobson USA)	26S	20E	1							Well temporarily abandoned.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1958,

Agent's address 1700 Broadway Company The Pure Oil Company

Denver, Colorado Signed [Signature]

Phone AMherst 6-3331 Agent's title Division Chief Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATA 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 1/4 NW 1/4 Sec. 30 (Pure-Hobson USA)	26S	20E	1		8961.91					Well temporarily abandoned.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold; None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1958.

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed [Signature]

Phone AMherst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (Pure-Hobson USA)	26S	20E	1							Well temporarily abandoned.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 19 58

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed \_\_\_\_\_

Phone AMherst 6-3331 Agent's title Division Chief Production Clerk

SEC. AND ¼ OF ¼	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)
NW¼ NW¼ Sec. 30 (Pure-Hobson)	26S	20E	1							Well temporarily abandoned.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1958,

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed \_\_\_\_\_

Phone AMherst 6-3331 Agent's title Division Chief Production Clerk

SEC. AND ¼ OF ¼	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)
NW¼ NW¼ Sec. 30 (Pure-Hobson USA)	26S	20E	1							Well temporarily abandoned.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1958,

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado Signed \_\_\_\_\_

Phone AMherst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (Pure Hobson USA)	26S	20E	1							Well temporarily abandoned.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

**Salt Lake**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE \_\_\_\_\_  
LEASE NUMBER **06659**  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Willicat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1958,

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver, Colorado

Phone AMherst 6-3331 Signed T. K. Webster Agent's title Division Chief Production 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)
<u>NW 1/4 NW 1/4</u> <u>Sec. 30</u> <u>(Pure-Hobson USA)</u>	<u>26S</u>	<u>20E</u>	<u>1</u>							<u>Well temporarily abandoned.</u>

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold; None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1958,

Agent's address 1700 Broadway Company The Pure Oil Company

Denver 2, Colorado Signed \_\_\_\_\_

Phone AMherst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (Pure-Hobson USA)	26S	20E	1							Well temporarily abandoned - Ran tubing in hole and pumped salt water out of well to be used in drilling Mineral Point USA No. 1.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

71-14  
1-19

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 19 58

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver 2, Colorado Signed [Signature]

Phone AMherst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (Pure-Hobson USA)	26S	20E	1							Completed as salt water supply well for future drilling operations in the area.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS** 71/2

State Utah County Grand Field Wildcat 3/10

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1959,

Agent's address 1700 Broadway Company The Pure Oil Company  
Denver 2, Colorado Signed [Signature]

Phone AMherst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (PURE HOBSON USA)	26S	20E	1							Completed as salt water supply well for future drilling operations in the area.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold; None 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER 06659  
UNIT \_\_\_\_\_

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1959,  
 Agent's address 1700 Broadway Company The Pure Oil Company  
Denver 2, Colorado Signed [Signature]  
 Phone Aberst 6-3331 Agent's title Division Chief Production 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 1/4 NW 1/4 Sec. 30 (PURE HOBSON USA)	26S	20E	1							Completed as salt water supply well for future drilling operations in the area.

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold.  
 NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.  
 Form 9-329

*Copy file*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT THIS REPORT  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**Utah 06659**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Pure-Hobson U.S.A.**

9. WELL NO.

**1**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**

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

**Sec. 30, T-26S, R-20E  
S.L.P.M.**

12. COUNTY OR PARISH

**Grand**

13. STATE

**Utah**

1. **Drilling well converted to salt water source well**

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**The Pure Oil Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 1611 - Casper, Wyoming**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**350' south of north line and 1055' east of the west line  
(NE 1/4 NW)**

14. PERMIT NO.

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

**KB 5,966'; GR 5,957'**

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\*

**Supplementary Well History**

(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.)\*

SEE SUPPLEMENTAL SHEET ATTACHED

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

SIGNED **E. C. CLAY**  
**E. C. Clay**

TITLE **District Superintendent**

DATE **August 24, 1964**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

SUPPLEMENTARY WELL HISTORY

Pure-Hobson U.S.A. No. 1  
350' FNL and 1055' FWL  
Sec. 30, T-26S, R-20E  
Grand County, Utah

Lease: 06659

August 24, 1964

T.D. - 6,674' - 5-1/2" OD casing set at 5,546'

On January 29, 1958, the well was plugged back as follows:

6,674' - 6,574' - 100' - 11 sax cement  
6,574' - 5,708' - 866' - Salt water  
5,708' - 5,520' - 188' - 20 sax cement  
Cement 26' into 5-1/2" OD casing.

On February 16, 1958, ran 2-7/8" tubing in hole so that well could be used as a source of salt water for drilling in the Big Flat area. The 5-1/2" OD casing was perforated from 5,425' to 5,435'.

In September, 1961, the salt water supply well was reworked. Ran 1" line pipe down the tubing to a total depth of 3,042'. Fresh water was pumped down the line pipe to dissolve the salt bridges encountered. Attempts were made to circulate both through the tubing and through the annulus, but were unsuccessful.

The tubing was then washed over and pulled and the 5-1/2" OD casing was cleaned out to the perforations. 5,411.53' of 2-7/8" tubing was then reran.

The brine flow tended to remain at approximately five gallons per minute when the well was left undisturbed. By pumping in the casing the flow was greatly increased. A few minutes of pumping into the casing gave a flow of approximately 1,000 gallons per hour for up to one hour, at which time the flow began decreasing back to approximately 5 gallons per minute. Pumping down the casing required very little pressure and seemed to agitate the salt crystals that form in the well.

The well has not been used for salt water production since October, 1961.

At the present time, The Pure Oil Company is considering a proposal from Mr. E. J. Mayhew, Moab, Utah, to purchase the well. Mr. Mayhew would assume the responsibility of plugging and abandoning the well in accordance with state and U.S.G.S. regulations, at such time he no longer had a use for the well.

If and when the well is sold to Mr. Mayhew, or The Pure Oil Company decides to permanently abandon it, your office will be promptly notified.

OLD WELL DRILLED DEEPER - OLD T. S. 4286

- 4290 - 4358 Samples caught in bucket are non-existent to worthless probably because of high viscosity and gel strength of mud and not being able to run mud and cuttings over the shaker. Primary consideration at this time is to allow zone just below 7" casing to cure up well before lowering viscosity gel strengths and lost circulation material content and increasing drilling weights and pump pressure. This section drills like salt and there are occasional pieces (mostly large) in the samples. Other constituents of very small amount of sample available are cement; shale, red,; shale, black, silty in parts, calcareous; shale, green; shale, chocolate brown (Glenkopi); limestone, gray, argillaceous, silty; sandstone, clear to orange and red, fine to medium grain.
- NOTE: Steel line measurement @ 4358' showed correct depth to be 4349'.
- 4349 - 4360 As above.
- Mud weight 10.7, Vis. 54, Water loss, 50, Filter cake 5/32.
- 4360 - 4374 No samples because of heavy mud and not being able to use shaker -- probably salt to 4369 and anhydrite as below to 4374'.
- Mud record @ 4370'. Mud weight 10.7, Vis. 54.
- At 4373', steel line measurement showed correct depth to be 4363'.
- 4383 - 4384 Rigged by-pass sample catcher and got good sample @ 4384' -- anhydrite, white to gray, tan, hard, sugary looking, dolomitic in part, (effervesces slightly in hot acid).
- Mud record @ 4384'. Mud weight 10.6, Vis. 53.
- NOTE: Because of the mix up in pipe measurement, the top of the anhydrite should be corrected to be 4379' (~~4383~~). This correlates w/4392 (~~4347~~) in the #1 Big Flat Unit. #1 Hobson - USA is then 54' lower than #1 Big Flat Unit at this depth.
- 4384 - 4390 Anhydrite, white to gray, tan, fine crystalline, sugary, dolomitic in parts.
- 4390 - 4395 Anhydrite, as above grading to dolomite, gray, tan, anhydritic, sugary; no apparent stain, fluorescence or porosity.
- 4395 - 4400 Dolomite, as above w/some anhydrite, as above, trace pinpoint porosity (in one piece) in dolomite; no stain or fluorescence.
- Mud record @ 4400'. Mud weight 9.4, Vis. 59, Water loss 22, Filter cake 5/32.
- 4400 - 4420 Shale, dark gray to black, dolomitic, soft; some dolomite, gray, tan, anhydritic, sugary, argillaceous? in parts, very scattered slight pinpoint porosity (1 or 2 pieces in entire sample), dolomite has very faint dull yellow fluorescence throughout (due to clay?).
- Mud record @ 4401'. Mud weight 9.4, Vis. 59, Water loss 22, Filter cake 5/32.

4420 - 4435 Dolomite, gray, sugary, argillaceous in parts and shale, dark gray to black, dolomitic, soft (interbedded?).

Mud record @ 4435'. Mud weight 10.7, Vis. 54.

4435 - 4440 Dolomite, gray, sugary, anhydritic in parts.

4440 - 4445 Dolomite, gray, sugary, anhydritic.

4445 - 4450 Anhydrite and/or gypsum, white to gray, dolomitic in parts? (guess up sample); little dolomite, as above.

4450 - 4460 Anhydrite and/or gypsum, as above.

Mud Record @ 4450'. Mud weight 10.6, Vis. 61, Water loss 25, Filter cake 2/32.

4460 - 4470 Anhydrite and/or gypsum, white to gray, quite soft, guess up samples; little salt, white, clear; salt and anhydrite (?), fluoresces light-blue (no out).

4470 - 4485 Salt, as above.

Mud record @ 4481'. Mud weight 10.0, Vis. 52, Water loss 11.0, Filter cake 2/32.

4485 - 4490 Salt, as above and anhydrite and/or gypsum, as above.

4490 - 4495 Anhydrite and/or gypsum, as above.

Mud record @ 4492'. Mud weight 10.7, Vis. 59.

4495 - 4500 As above; little salt.

4500 - 4510 Salt, white, clear (also dolomite, gray, sugary in sample).

4510 - 4520 Salt, as above grading to anhydrite and/or gypsum, as above.

Mud record @ 4518'. Mud weight 10.6, Vis. 59.

4520 - 4530 As above.

4530 - 4535 Anhydrite and/or gypsum, as above; little salt, as above.

Mud record @ 4531'. Mud weight 10.7, Vis. 55.

NOTE: Sample quality is fair to very poor because of gumminess produced by gypsum.

- 4555 - 4555 Gypsum and/or anhydrite, white to gray, soft (gums up sample).  
Mud record @ 4556'. Mud weight 10.6, Vis. 58.  
Mud record @ 4549'. Mud weight 10.4, Vis. 50, Water loss 23, Filter cake 2/32.
- 4555 - 4580 Gypsum and/or anhydrite, as above; some salt, white, clear.
- 4580 - 4580 Salt, white, clear.  
Mud record @ 4577'. Mud weight 10.6, Vis. 58.
- 4590 - 4600 Salt and? anhydrite and/or gypsum, as above.  
Mud record @ 4600'. Mud weight 10.5, Vis. 58.  
NOTE: Sample quality, good in the salt; otherwise poor.
- 4600 - 4610 Gypsum and/or anhydrite, white to gray, soft (gums up sample) and salt, white, clear.  
Mud record @ 4600'. Mud weight 10.5, Vis. 58.
- 4610 - 4615 Gypsum and/or anhydrite, as above, dolomitic ? in parts.
- 4615 - 4620 Dolomite, gray, tan, anhydritic, finely - sugary; has very faint dull yellow fluorescence (mineral?), no cut, no apparent porosity.
- 4620 - 4625 Gypsum and/or anhydrite, as above; some dolomite, as above.
- 4625 - 4630 Salt, white, clear; some gypsum, as above.
- 4630 - 4655 Salt, as above? (much gypsum, black shale, and gray finely sugary dolomite).
- 4655 - 4660 Salt, as above; little anhydrite and/or gypsum, white, gray, gummy, dolomitic?
- 4660 - 4685 Gypsum and/or anhydrite, white, gray, gummy (when wet), dolomitic?  
Mud record @ 4665'. Mud weight 11.0, Vis. 58.  
NOTE: There may actually be dolomite in 4659 - 4685 interval. Samples contain some dolomite, gray, tan, sugary.
- 4685 - 4690 Salt, white, clear.
- 4690 - 4700 As above.  
Mud record @ 4695'. Mud weight 10.9, Vis. 54, Water loss 18, Filter cake 2/32.

- 4700 - 4710 Salt, white, clear and gypsum and/or anhydrite, white, soft, gummy when wet.
- 4710 - 4720 Gypsum and/or anhydrite, white, gray, soft, gummy when wet; some salt, white, clear; little dolomite, gray, tan?
- 4720 - 4730 Salt, white, clear; little gypsum, as above.
- 4730 - 4745 As above.
- 4745 - 4755 Salt, yellow ?, clear.
- 4755 - 4780 Salt, white, clear.
- Mud record @ 4770'. Mud weight 10.5, Vis. 48, Water loss 35.0, Filter cake 3/32.
- 4780 - 4860 As above; (more extraneous material 4790-4820, green shale, black; dolomite, gray; anhydrite, gray; shale, red (Permian?).
- 4860 - 4870 Salt, white, clear.
- 4870 - 4880 Anhydrite, tan, gray, dolomitic in parts grading to dolomite, tan, sugary, anhydritic in parts, argillaceous in parts; may have very faint dull yellow fluorescence, no cut, only very slight porosity at best (intercrystalline?) (2%).
- Mud record @ 4890'. Mud weight 10.8, Vis. 58.
- 4880 - 4890 Dolomite, tan, gray, argillaceous in parts, anhydritic in part; no apparent stain, fluorescence or porosity, grading to some shale, gray, anhydritic in part, dolomitic in parts.
- 4890 - 4900 Anhydrite (and/or gypsum), white, gray, gummy when wet, grading to dolomitic anhydrite and anhydritic dolomite, tan, gray, sugary in parts; no apparent stain, fluorescence, porosity.
- Mud record @ 4895'. Mud weight 10.9, Vis. 58, Water loss 45, Filter cake 3/32.
- 4900 - 4905 Anhydrite, as above.
- 4905 - 4910 Anhydrite, as above and dolomite, as above.
- 4910 - 4915 Dolomite, as above; little shale?, as above.
- 4915 - 4920 Dolomite, as above; some shale?, as above.
- 4920 - 4930 Anhydrite, gray, crystalline, dolomitic in parts.
- Mud record @ 4924'. Mud weight 11.5, Vis. 61.

- 4950 - 4957 Salt, white, clear.  
Mud record # 4953'. Mud weight 11.7, Vis. 61.
- NOTE: Lost circulation while drilling # 4954'. Lost circulation material had been removed from mud during daylight tour, 12/15/57. Last reading on mud weight was 10.6f.
- 4957 - 4966 No sample.
- 4966 - 4970 Sample consists of large pieces of cement and shale, dark gray to black, dolomitic, interval is presumably salt.
- 4970 - 4980 As above.
- 4980 - 4990 As above; also some large pieces shale, green and a little salt, white, clear.  
Mud record # 4989'. Mud weight 11.1, Vis. 54.
- 4990 - 5010 Salt, clear, white, yellow to orange (large pieces) and large pieces shale, dark gray to black, dolomitic (caving?); also little cement.
- 5010 - 5030 As above; increase in salt, orange.  
Mud record # 5011'. Mud weight 11.2, Vis. 53.
- 5030 - 5040 As above; some salt rather bright orange.
- 5040 - 5050 As above; more cement in sample.  
Mud record # 5050'. Mud weight 10.4, Vis. 55.
- 5050 - 5060 As above.
- 5060 - 5070 As above; increase in cavings (?) principally red and green shale.
- 5070 - 5080 As above.
- 5080 - 5090 As above; decrease in cement and red and green shale in sample.
- 5090 - 5100 As above.  
Mud record # 5097'. Mud weight 10.0, Vis. 52, Water loss 45, Filter cake 2/52.
- 5100 - 5140 Salt, white, clear, little orange (also some cavings of cement; shale, dark gray to black dolomitic; dolomite, gray, sugary, argillaceous; shale, red and shale, green).  
Mud record # 5110'. Mud weight 10.0, Vis. 64.  
Mud record # 5132'. Mud weight 10.0, Vis. 79.

- 5140 - 5150 Shale, dark gray to black, dolomitic in parts grading to little dolomite, gray, tan, sugary, argillaceous in parts, anhydritic in parts grading to anhydrite, white, tan, crystalline, dolomitic in parts; some salt, white, clear.
- 5150 - 5160 Shale, dark gray to black, dolomitic grading to dolomite, tan, anhydritic and anhydrite, fine crystalline, dolomitic.
- 5160 - 5170 Shale, as above and dolomite, as above.
- Mud record @ 5163'. Mud weight 10.4, Vis. 60, Water loss 64, Filter cake 3/32.
- 5170 - 5180 Salt, white, clear and anhydrite, tan, fine crystalline, hard, dolomitic in parts; anhydrite grades to little dolomite, tan, anhydritic and some shale, dark gray to black, dolomitic.
- 5180 - 5250 Salt, white, clear.
- Mud record @ 5244'. Mud weight 10.1, Vis. 52.
- 5250 - 5260 Salt, as above and anhydrite, gray, tan, fine crystalline, dolomitic in part grading to dolomite, gray to dark gray, anhydritic in parts, argillaceous in parts.
- 5260 - 5280 Salt, white, clear (considerable dolomite, as above in sample).
- 5280 - 5300 Salt, white, clear; little gypsum and/or anhydrite, white, gray, mostly soft and sugary.
- Mud record @ 5290'. Mud weight 10.7, Vis 48, Water loss 48.5, Filter cake 3/32.
- 5300 - 5310 As above; increase in gypsum.
- 5310 - 5320 Anhydrite, white, gray, fine crystalline, and gypsum, white, sugary; some dolomite, gray, tan, sugary, anhydritic in parts, argillaceous in part, and shale, dark gray, brown, dolomitic; little salt, white, clear.
- 5320 - 5330 Dolomite, as above; some shale, as above.
- 5330 - 5340 As above; porosity is present in this interval is probably of fracture type; no stain or fluorescence.
- Mud record @ 5335'. Mud weight 10.4, Vis. 61.
- 5340 - 5350 Anhydrite, white, gray, tan, fine crystalline; some shale and dolomite, as above; little salt.
- Mud record @ 5346'. Mud weight 10.6, Vis. 54.

- 5350 - 5380 Salt, white, clear (sample contains much material from up the hole -- shale, black, dolomitic; dolomite, gray, tan; shale, red, etc.)  
Mud record @ 5357'. Mud weight 10.9, Vis. 47.
- 5380 - 5390 Salt, white, clear, little orange; little anhydrite, gray, tan, fine crystalline.  
Mud record @ 5401'. Mud weight 10.7, Vis. 49.
- 5390 - 5400 As above; anhydrite decreasing?
- 5400 - 5410 As above; anhydrite increasing?
- 5410 - 5430 Salt, white, clear; about 2% of sample is not salt -- mostly shale, gray to dark gray, anhydritic in parts, dolomitic, grading to dolomite, argillaceous.  
Mud record @ 5428'. Mud weight 10.0.
- 5430 - 5440 As above; material other than salt, as above, in sample increased slightly (4%) -- also anhydrite, white, gray, tan, fine crystalline (some in large pieces) in this sample.  
Mud record @ 5437'. Mud weight 10.2.  
Sample caught @ 5442' after water flow was same as 5410-5440 (98% salt).
- 5442 - 5445 Sample 5442-5445, anhydrite, white (5%) to brown (95%), fine crystalline, dolomitic in part grading to dolomite, brown, sugary, anhydritic in part, argillaceous in part; no apparent porosity, stain, fluorescence.
- 5445 - 5450 Anhydrite, white (10%) to brown (90%), fine crystalline, dolomitic in part grading to dolomite, tan, to brown, sugary, anhydritic.  
Mud record @ 5447'. Mud weight 11.7, Vis. 57.
- 5450 - 5455 As above, increasing dolomite.
- 5455 - 5480 As above, increase in anhydrite.  
Mud record @ 5480'.\* Mud weight 12.1, Vis. 47.  
\* Built mud to weight 13.0 and Vis. 83 just before losing circulation.
- 5480 - 5546 Drilled 5480 - 5546 without returns, set 5 1/2" casing @ 5546' (to surface) w/100 sacks cement. Probably salt below 5488.  
At 5546'. Rotary table raised to allow room for drilling head. New elevation is 5978'. Old drilling depth of 5546' now = 5547'.

- 5547 - 5555 Probably salt; samples are nothing but cement and lost circulation material, mostly the latter.
- 5555 - 5590 As above.
- Mud record # 5559'. Mud weight 10.2, Vis. 39 (spotty), Water loss 16, Filter cake 2/32.
- Mud record # 5594'. Mud weight 10.2, Vis. 36.
- 5590 - 5600 Probably salt (sample composed entirely of lost circulation material).
- 5600 - 5610 Anhydrite and/or gypsum, white, gray, dolomitic in part?. Very poor samples.
- Mud record # 5605'. Mud weight 10.3, Vis. 40.
- 5610 - 5620 Dolomite, gray, anhydritic in part, and shale, black, gray, dolomitic. Very poor sample.
- 5620 - 5625 Dolomite, gray, anhydritic in part?. Very poor sample.
- 5625 - 5630 Dolomite, as above, and gypsum and/or anhydrite, white, gray?
- 5630 - 5635 Gypsum and/or anhydrite, as above, and shale, gray, dolomitic? Very poor sample.
- 5635 - 5640 Dolomite, as above, and gypsum and/or anhydrite, as above? Very poor sample.
- 5640 - 5645 May be dolomite, as above; samples nothing but lost circulation material (salt?).
- 5645 - 5650 As above.
- 5650 - 5660 Anhydrite, white, gray, tan, fine crystalline?; much anhydrite in sample and also much extraneous material such as red shale and cement probably ganned off bottom of pits.
- 5660 - 5665 Anhydrite, white, fine crystalline, dolomitic in part w/streaks ? of shale, black, gray, dolomitic.
- Mud record # 5665'. Mud weight 10.5, Vis. 68.
- Mud record # 5674'. Mud weight 10.9, Vis. 50.
- 5665 - 5690 Sample mostly lost circulation material; probably salt (still being dissolved by drilling fluid?).

- 5690 - 5695 Salt ? w/interbeds ? of dolomite, gray, sugary, and shale, black, soft, slightly dolomitic (little dolomite and shale in sample composed mostly of lost circulation material).
- 5695 - 5700 As above; little anhydrite, white.
- 5700 - 5705 As above; no anhydrite?
- 5705 - 5710 As above.
- 5710 - 5720 As above?, sample consists of cement, red shale, lost circulation material, dolomite and anhydrite, as above, probably all gunned off bottom of pits.
- Mud record @ 5719'. Mud weight 10.9, Vis. 47.
- 5720 - 5730 Anhydrite, white, fine crystalline; some ? shale, black, dolomitic. Very poor sample (no salt?).
- 5730 - 5740 May be salt; sample consists of cement, red shale, black shale, lost circulation, etc.
- 5740 - 5760 Sample much as above w/increase ? in anhydrite, white and shale, black, dolomitic (may be salt in part -- no salt in sample); some dolomite, gray?
- Mud Record @ 5749'. Mud weight 10.8, Vis. 44.
- 5760 - 5770 Anhydrite, white, sugary (dolomitic in part?).
- 5770 - 5780 Anhydrite, white, gray, tan, fine crystalline and shale, black, dolomitic (may be salt in parts -- no salt in sample due to low salt content of drilling fluid?), anhydrite grades ? to dolomite, gray, anhydritic.
- 5780 - 5790 May be salt; not much sample w/trace of salt, white, clear, otherwise as above.
- Mud Record @ 5788'. Mud weight 10.8, Vis. 47, Water loss 7.
- 5790 - 5800 Salt, white, orange ( quite a bit of salt in sample) (added salt to drilling fluid).
- 5800 - 5810 As above. Very poor sample -- mostly cement and lost circulation material w/some salt, as above.
- 5810 - 5820 Salt, clear, white, little orange; trace dolomite, gray, sugary?
- 5820 - 5830 Salt, clear, white.
- 5830 - 5840 Probably salt, as above (sample is cement and lost circulation material).

- 5840 - 5850 Salt, white; little anhydrite, white, gray, sugary, dolomitic in part.  
Mud record @ 5850'. Mud weight 11.5, Vis. 46.
- 5850 - 5860 Very poor sample, mostly salt, dirty; some anhydrite, gray and shale, black, dolomitic; little loose sand, white to orange, fine grain, rounded to sub-rounded, may be blow sand out of pits.
- 5860 - 5870 ? Sandstone (in sample, as loose sand grains), white, orange, fine to medium grain, sub-rounded, pyritic, interbedded ? w/some shale, black, dolomitic and dolomite, gray, tan, fine to sugary, w/dull yellow fluorescence in dolomite, no cut, no apparent porosity. Sample is mostly salt; little anhydrite, white, gray; shale may be pyritic.
- 5870 - 5880 Sample is 99% salt, white, clear; hardest thing in sample is anhydrite, white, fine to sugary.  
Mud record @ 5879'. Mud weight 12.6, Vis. 45.
- 5880 - 5890 As above; trace shale, black, dolomitic and shale, gray, anhydritic.
- 5890 - 5900 Sample is 99 1/2 salt, white to clear; only very little anhydrite and gypsum, gray.  
Mud record @ 5895'. Mud weight 13.6, Vis. 58.
- 5900 - 5910 Salt, white to clear (sample has increased amount of extraneous material cement, sand, red shale, lost circulation material -- also more anhydrite, white, sugary).  
Ran run #2 Lane-Wells gamma ray-neutron log @ 5899'.
- 5910 - 5940 Salt, white to yellow; trace dolomite, gray, fine to sugary and shale, black, dolomitic.  
Mud record @ 5938'. Mud weight 13.6, Vis. 58.
- 5940 - 5950 Salt, as above; anhydrite, gray, tan, sugary, dolomitic.
- 5950 - 5960 Salt, white (little clear, trace orange); some dolomite, gray, tan, fine to sugary, anhydritic, grading to anhydrite, gray, tan, dolomitic.  
Mud record @ 5954'. Mud weight 13.1, Vis. 49, Water loss 2.
- 5960 - 5970 Salt, as above; trace dolomite, as above and shale, black.
- 5970 - 5980 As above.  
Mud record @ 5979'. Mud weight 13.6, Vis 48.

- 5990 - 6000 Salt, white to clear; trace anhydrite, gray, tan, dolomitic; trace dolomite, gray, tan, anhydritic; trace shale, black.
- 6000 - 6005 Samples are mostly salt, white to clear; very little dolomite, gray, tan, fine to sugary, anhydritic; trace anhydrite, white, sugary; trace shale, black; quite a bit of lost circulation material; a few grains of salt have brown stain on surface and fluorescence, light yellow; no other fluorescence.
- Mud record @ 6005'. Mud weight 13.5, Vis. 52, Water loss 2.4.
- Core #1, 6005 - 6081', out 26', recovered 26'.
- 6005 - 6008 Shale, dark gray to black, anhydritic in streaks, slightly dolomitic, w/crikkled bedding planes nearly horizontal to dipping 20° w/veinlets of salt throughout.
- Mud record @ 6007'. Mud weight 13.2, Vis. 50, Water loss 2.4, Filter cake 2/52.
- 6008 - 6009 As above; veing of salt 2" wide @ 6008'.
- 6009 - 6010 As above; more black and less anhydritic.
- 6010 - 6011 As above.
- 6011 - 6017 Anhydrite, dark gray, fine crystalline, slightly dolomitic in parts, partings and laminae up to 2" thick of shale, dark gray to black, dolomitic in parts, w/crikkled bedding planes nearly horizontal to dipping 20° and w/scattered veinlets of salt (filled fractures?).
- 6017 - 6020 As above, shaley partings more numerous and more closely spaced.
- 6020 - 6021 As above, less shaley.
- 6021 - 6022 As above; anhydrite is more dolomitic.
- 6022 - 6023 As above; anhydrite is less dolomitic.
- 6023 - 6024 Top 6" is anhydrite, dark gray, fine crystalline.  
Lower 6" is salt, tan.
- 6024 - 6024 Salt, as above.
- 6025 - 6026 Top 6" is salt, tan.  
Lower 6" is salt.
- 6026 - 6081 Salt, white, w/gray streaks.

NOTE: No porosity, stain, nor fluorescence noted in entire core

- 6050 - 6060 Salt, white to gray (little anhydrite, gray, fine crystalline and shale, black and dolomite, gray, fine to sugary, and shale, red in sample -- also cement).  
Mud record @ 6055'. Mud weight 13.5, Vis. 53, Water loss 2.4, Filter cake 2/32.
- 6060 - 6160 As above (sample also contains lost circulation material w/oil on it).  
Mud record @ 6110'. Mud weight 13.5, Vis. 53, Water loss 9.4, Filter cake 2/32.  
Mud record @ 6160'. Mud weight 13.5, Vis. 56.
- 6160 - 6170 Anhydrite, gray, tan, fine crystalline, grading to dolomite, gray, sugary, anhydritic in parts (samples is 90% salt -- also contains red shale).
- 6170 - 6180 Salt, white, w/little shale, black? and anhydrite, gray, tan, fine crystalline.
- 6180 - 6210 Salt, white.  
Mud record @ 6195'. Mud weight 13.5, Vis. 53.
- 6210 - 6220 Salt, white; little interbedded (?) anhydrite, gray, fine crystalline, and shale, black, anhydritic.
- 6220 - 6250 Salt, white.  
Mud record @ 6240'. Mud weight 13.4, Vis. 54, Water loss 3.3, Filter cake 2/32.
- 6250 - 6260 Salt, white; little anhydrite, gray, fine crystalline and shale, dark gray to black, anhydritic.
- 6260 - 6270 Salt, white; some anhydrite, as above; little shale, as above.  
Mud record @ 6262'. Mud weight 13.4, Vis. 56, Water loss 3.3, Filter cake 2/32.
- 6270 - 6280 Salt, white; little anhydrite, gray, fine crystalline.
- 6280 - 6350 Salt, white.  
Mud record @ 6311'. Mud weight 13.6, Vis. 63.
- 6350 - 6350 Salt, white.  
Mud record @ 6352'. Mud weight 13.6, Vis. 63.

Core #2, 6352 - 6381', cut 29', recovered 29'.

- 6352 - 6353 Salt, white to gray w/darker gray bands 8" to 6" apart (dark gray bands are salt too), fine to medium crystalline.
- 6353 - 6354 As above.
- 6354 - 6355 As above (one dark band @ 6355' seems slightly anhydritic and harder).
- 6355 - 6364 As above.
- Mud record 6353'. Mud weight 13.8, Vis. 65.
- 6364 - 6367 As above (in this foot, 6364-6365, some salt breaks out in large crystals 1").
- 6367 - 6368 As above (in this foot some salt breaks out in 1" crystals).
- 6368 - 6378 As above.
- 6378 - 6379 As above (one dark band @ 6378½' is slightly anhydritic salt).
- 6379 - 6381 As above.

Core #3, 6381- 6410, cut 29', recovered 26'.

- 6381 - 6388 Salt, white to gray (gray bands 2" to 8" apart -- are salt, harder), fine to medium crystalline.
- Mud record @ 6385'. Mud weight 13.7, Vis. 62, Water loss 3.2, Filter cake 2/32.
- 6388 - 6389 As above (dark band @ 6388' seems slightly anhydritic).
- 6389 - 6401 As above.
- 6401 - 6402 As above (dark band @ 6401' seems very slightly anhydritic.).
- 6402 - 6407 As above.
- 6407 - 6410 Not recovered.

Core #4, 6410-6459', cut 29', recovered 29'.

- 6410 - 6416 Salt, tan to gray w/dark gray bands every 2" to 3" apart.
- Mud record @ 6410'. Mud weight 13.5, Vis. 58.
- 6416 - 6418 Anhydrite, gray, w/thin partings of shale, black crinkly (horizontal to dip 5° on partings) w/random fractures up to 1/16", slight oil odor on fresh break only and very faint, very scattered fluorescence (light blue) 6416-17, no odor or fluorescence 6417-18.

Mud record @ 6470'. Mud weight 13.2, Vis. 58.

6468 - 6570 Salt, white, clear, yellow; shale w/minor amounts of anhydrite, gray, and shale, gray, black, anhydritic in parts, dolomitic in parts -- also shale, red and green; trace dolomite, gray, fine to sugary.

Mud record @ 6520'. Mud weight 13.2, Vis. 58.

6570 - 6610 As above; less shale, etc.

6610 - 6640 Salt, white, clear, yellowish w/minor amounts of shale, gray, black; anhydrite, white to gray; dolomite, gray, fine to sugary, and shale, red and green.

Mud record @ 6625'. Mud weight 13.2, Vis. 55.

6640 - 6674 As above, less yellow.

Mud record @ 6674'. Mud weight 13.3, Vis. 54.

Total Depth 6674'.

- 6418 - 6419 Salt, gray, tan, w/random fractures up to 1/4".
- 6419 - 6420 Shale, black, soft (suddy in core), fine granular, anhydritic, slightly dolomitic ? w/random fractures up to 1/2" wide, partially filled w/salt, gray; core breaks up badly; has oily odor on fresh break, but has no fluorescence.
- 6420 - 6422 As above.
- 6422 - 6425 As above; slightly more odor ?; very slight, very scattered light blue fluorescence.
- 6425 - 6425 Anhydrite, gray w/thin partings of shale, black (horizontal to 5° dips) (slight odor and very scattered specks of light blue fluorescence, 6425-24 -- no odor or fluorescence 6424-25).
- 6425 - 6426 As above/ no odor or fluorescence.
- 6426 - 6427 Top 6" as above; no odor or fluorescence, bottom 6" salt, tan to brown (no odor or fluorescence).
- 6427 - 6428 Salt, tan to brown.
- 6428 - 6429 As above.
- 6429 - 6439 Salt, white to clear.
- Mud record @ 6435'. Mud weight 15.2, Vis. 58.
- Core #5, 6439-6468', out 29', recovered 23'.
- 6439 - 6444 Salt, white.
- 6444 - 6445 As above, w/two dark gray bands, also salt.
- 6445 - 6447 Salt, white.
- 6447 - 6453 Salt, gray w/darker gray bands every 2" to 3" apart (also salt).
- Mud record @ 6452'. Mud weight 13.5, Vis. 53.
- 6453 - 6460 Salt, white w/gray bands (also salt) 12" apart.
- 6460 - 6462 Salt, white, w/gray bands 1" to 2" apart (also salt).
- 6462 - 6468 Not recovered.

TEST #1, 6364 - 6468, Paradox member of the Hormosa formation (Penn.), open 30 minutes, shut in 20 minutes, very weak blow air immediately, dead after 5 minutes. Recovered 45' drilling fluid. IFF 90, FFP 110, BHSIP 200/20 minutes, IHW 3950, FHW 3910.

September 24, 1964

MEMO FOR FILING:

Re: Pure Oil Company  
Well No. Hobson USA #1  
Sec. 30, T. 26 S., R. 20 E.,  
~~San Juan~~ County, Utah

*Grand County*

On September 24, 1964, I informed the commission that the above location originally a oil test, was completed by Pure Oil Company as a Salt Water Well. The operator plans to sell this well to Mr. J. Mayhew. The operator has requested this office to notify them of any continuing liabilities with respect to plugging and final abandonment, etc., after sale of this well. They want to know the steps necessary for termination fo said liability at the time of the sale.

HARVEY L. CONT'S  
PETROLEUM ENGINEER

HLC:kw

*Answered Pure*  
*HLC*

November 2, 1964

Pure Oil Company  
Box 1611  
Casper, Wyoming

Attention: Mr. Ed Clay, Dist. Opr. Supt.

Re: Well No. Hobson USA #1  
Sec. 30, T. 26 S., R. 20 E.,  
Grand County, Utah

Dear Mr. Clay:

Mr. Coonts, the Commission's Engineer in Moab, has asked me to notify you of the problems you might expect in the sale of the above mentioned well to Mr. J. Mayhew.

I have contacted Mr. Rodney Smith, District Engineer, U. S. Geological Survey and Mr. Francis Mayo, Water Resources Engineer, State Engineers Office and it is evident from my talks with them that this sale should be discussed with both departments.

Mr. Smith is concerned with the purpose for which Mr. Mayhew intends to use this water; a potash permit might be required if the salts are to be precipitated therefrom.

Mr. Mayo informs me that, as yet, no one has initiated a right through the State Engineers Office to appropriate the water from this well. This should be done by either you or Mr. Mayhew prior to any sale.

I would suggest that you contact Mr. Smith and Mr. Mayo directly.

This Commission is only concerned to the extent that the well, if not retained as a salt water well, be properly plugged and abandoned.

Very truly yours,  
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:cnp

cc: Mr. Francis Mayo, Water Resources Engineer  
State Engineers Office  
442 State Capitol Building  
Salt Lake City, Utah

Mr. Rodney Smith, District Engineer  
U. S. Geological Survey  
8416 Federal Building  
Salt Lake City, Utah

Pure Oil Company  
Attention: Charles Teakle  
Box 1338  
Moab, Utah

Mr. Harvey L. Coonts, Petroleum Engineer  
Utah Oil & Gas Conservation Commission  
Box 266  
Moab, Utah

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.

**U.S.A. Utah 06659**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Pure Hobson U.S.A.**

9. WELL NO.

**1**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**

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

**Sec. 30, T-26S, R-20E**

12. COUNTY OR PARISH

**Grand**

13. STATE

**Utah**

1. OIL WELL  GAS WELL  OTHER  **Salt Water Supply Well**

2. NAME OF OPERATOR  
**The Pure Oil Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 1611 - Casper, Wyoming**

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

**350' FNL and 1,055' FWL**

14. PERMIT NO.

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

**QL 5,957'**

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.)\*

Well originally drilled by Tonopah North Star Tunnel and Development Company to a total depth of 4,280' and abandoned December 17, 1956. Well originally drilled as U. S. Gov't. No. 1. Well was deepened by The Pure Oil Company to 6,674' TD. 5-1/2" OD casing was set at 5,546'. Well was plugged back to 5,520' and 5-1/2" casing was perforated from 5,425' to 5,435' and well completed as a salt water supply well.

Propose to plug and abandon this well by drilling and cleaning out salt bridges in the 2-7/8" tubing and squeezing approximately 50 sax of salt saturated cement into the perforations 5,425' to 5,435'. After accomplishing the squeeze job, the 2-7/8" tubing will then be filled with approximately 135 sax of cement. A 10' cement plug will be placed in the top of the hole and a dry hole marker will be installed in accordance with U.S.G.S. regulations.

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

ORIGINAL SIGNED BY

SIGNED

**J. I. MORRIS**

TITLE **District Superintendent**

DATE **July 8, 1965**

(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 REVERSE SIDE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. Utah 06659

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pure Hobson U.S.A.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 30, T-26S, R-20E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1.

OIL WELL  GAS WELL  OTHER **Salt Water Supply Well**

2. NAME OF OPERATOR

**The Pure Oil Co., A Division of Union Oil Co. of Calif.**

3. ADDRESS OF OPERATOR

**P. O. Box 1611 - Casper, Wyoming**

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

At surface **350' FNL and 1,055' FNL**

14. PERMIT NO.

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

**GL 5,957'**

16.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(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.)\*

SEE SUPPLEMENTAL SHEET ATTACHED

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

SIGNED R. E. DAVIS

TITLE District Office Manager

DATE August 10, 1965

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

THE PURE OIL COMPANY MERGED INTO  
UNION OIL COMPANY OF CALIFORNIA  
EFFECTIVE JULY 16, 1965.

\*See Instructions on Reverse Side



# CEMENT DELIVERY TICKET

## No.

Form 984A-R8

DATE <b>7-22-65</b>	CUSTOMER'S ORDER & REQ. NO.	SERVICE TICKET NO.	SEC.	TWP.	RANGE	TRUCK CALLED OUT DATE A.M. P.M.	ON LOCATION DATE A.M. P.M.	JOB STARTED DATE A.M. P.M.	JOB COMPLETED DATE A.M. P.M.
WELL NO. AND FARM <b>1 Hobson</b>		PLACE OR DESTINATION <b>Dead Horse Point</b>				COUNTY <b>San Juan</b>		STATE <b>Utah</b>	
TYPE OF WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEVELOPMENT		<input type="checkbox"/> EXPLORATORY <input type="checkbox"/> OTHER		OWNER <b>Pure Oil Company</b>			CONTRACTOR		

DUNCAN USE ONLY

CUST. INV. REG. ORIG. &	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> Other	DELIVERED TO <b>Location</b>
PREPARED BY <b>Dorethy Neville</b>						
RECEIVED BY <b>X</b>						
DELIVERED FROM <b>Cortez, Colorado</b>						
TERMS: DUE BY THE 20TH OF FOLLOWING MONTH. INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE						
Cash discount allowed if paid within this period.						
Tax adjustment may be deducted if discounted.						

CHARGE TO <b>Pure Oil Company</b>	MAILING ADDRESS <b>Box 1338</b>	CITY & STATE <b>Mab, Utah</b>	DUNCAN USE ONLY
--------------------------------------	------------------------------------	----------------------------------	-----------------

WT TICKET NO.	TRUCK NO.	CONVOY NO.	QUANTITY*	BRAND AND TYPE	UNIT PRICE	AMOUNT
<b>22</b>	<b>6874</b>			<b>165 cu ft 1:1 Pozmix 6% Gel Consisting of:</b>		
			<b>83</b>	<b>Ideal portland cement from Albuquerque, N. Mex</b>	<b>1.70</b>	<b>141 10</b>
			<b>82</b>	<b>cu ft Pozmix "S" from El Paso, Texas</b>	<b>1.36</b>	<b>111 52</b>
			<b>3</b>	<b>Howcogel 2% allowed with 165 cu ft</b>	<b>NC</b>	<b>N</b>
			<b>6</b>	<b>Howcogel 4% added to make total of 6% (per sx cnt)</b>	<b>.13</b>	<b>71 45</b>
			<b>40</b>	<b>sx Salt mixed with 165 cu ft ( 57 cu ft)</b>	<b>2.50</b>	<b>100 00</b>

* SACKS UNLESS OTHERWISE INDICATED	SERVICE CHARGE ON MATERIALS RETURNED <b>222xendoff</b>	UNITS			
We certify that the Fair Labor Standards Act of 1938 as amended, has been complied with in the production of goods and/or with respect to services furnished covered by this invoice. <small>PRINTED IN U.S.A.</small>	SERVICE CHARGES	CEMENT NOT BLENDED		UNITS	
		BLENDED CEMENT AND/OR OTHER MATL	<b>222 cu ft</b>	UNITS	<b>.35</b>
	MILEAGE CHARGES	CEMENT NOT BLENDED	WEIGHT	LOADED MILES FROM PLANT TO WELL	TON MILES
		BLENDED CEMENT AND/OR OTHER MATL	<b>19572</b>	WEIGHT	<b>.19</b>
SUB TOTAL					
TAX					
TAX					
TOTAL					

COPY

**CONDITIONS AND LIMITATIONS COVERING THIS CONTRACT**  
 It is expressly understood and agreed that Halliburton Company is selling and delivering the material described on this ticket only as a retail dealer and distributor and that Halliburton Company makes no representation or warranties, expressed or implied, except those made by the manufacturer.  
 It is specifically understood and agreed that Halliburton Company shall not be liable for any unsatisfactory results from the use of such material.  
 It is understood and agreed that Halliburton Company will not be bound by any changes or modifications in the above terms and conditions unless authorized by one of the executive officers in writing.



# United States Department of the Interior

GEOLOGICAL SURVEY

Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

DIVISION OF  
OIL, GAS & MINING

July 21, 1981

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. W. B. Flint, District Operations Manager  
Union Oil Company of California  
P.O. Box 2620  
Casper, WY 82602

Re: Plugged and Abandoned Well  
leaking salt water. Pure  
Oil Company Hobson U.S.A.  
Well #1, Lot 1, Section 30,  
T. 26S., R. 20E. Grand County,  
Utah, Lease No. U-06659-A  
(terminated 5-1-68)

Dear Mr. Flint:

This office received a call on July 1, 1981, reporting that the referenced well was leaking a small amount of salt water. On July 8, 1981 the well was inspected and it was found that subsurface liquid had filled the dry hole marker. The liquid had frozen and broke the marker. There is evidence that salt water has drained to the surface (see attached picture).

This well was plugged on July 23, 1965 by the Pure Oil Company who merged into Union Oil Company of California, effective July 16, 1965 (see attached Sundry Notices and Cement delivery ticket). We have a picture that was taken on April 17, 1973, at which time everything was still intact. So apparently sometime between April 1973 and July 1981 this freeze occurred.

Our agency has no funds to handle situations of this nature. This leaves us with no alternatives other than ask Union Oil Company to correct this problem.

It is requested that Union Oil Company evaluate this problem and advise this office by September 1, 1981, as to their plans and schedule to re-enter this hole and adequately plug this well.

If you have any questions, please advise this office.

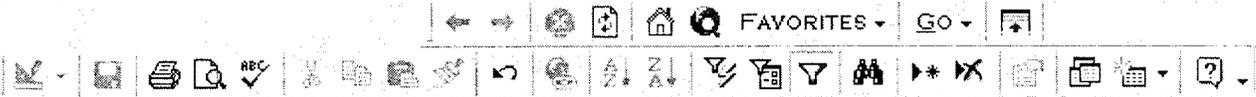
Sincerely yours,

E. W. Gynn  
District Oil & Gas Supervisor

Attachments:

Sundry Notice dtd. 8-10-65  
Sundry Notice dtd. 7-8-65  
Halliburton cement ticket dtd. 7-22-65  
1 picture

cc: BLM, Moab, Utah  
Utah State Oil & Gas



Incidents/Spills

# Well Inspections

Date Mod 10/27/1999

Inspection Tracking | Press/Rest

API Well No. 43-019-11336-00-00    Owner PURE OIL CO    County GRAND

Well Name HOBSON USA I

WI Typ Water Disposal    Felty/Proj NA    Well Status Plugged and Abandoned

Well S-T-R S 30 T 26S R 20E

Directions

Inspect No. JLT0003754    Type Plugging    Operator at Time of Inspection PURE OIL CO 70441

Violation?  SNC?  C PER BLM RECORDS-WELL PA'D AND REHAB COMPLETED.

Notification Type

Date Inspected 11/16/1989

Date NOV

Date FndyReq

Date Extension

Date Passed

Failed Items

Fail Code	Status	Description

Comply#    Incident#    Inspector Jim Thompson

Record: 1 of 1 (Filtered)

Comments

FLTR    CAPS    NUM