

FILE NOTATIONS

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

Checked by Chief JMB
 Copy NID to Field Office ✓
 Approval Letter Initial
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 11-13-64 Location Inspected _____
 OW _____ WW _____ TA _____ Bond released _____
 GW _____ OS _____ PA ✓ State of Fee Land _____

LOGS FILED

Driller's Log 11-22-64
 Electric Logs (No.) 3
 E ✓ E-I _____ GR _____ GR-N _____ Micro _____
 Lat ✓ Mi-L _____ Sonic ✓ Others Directional Log

copy file

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER **Gas-Condensate** SINGLE ZONE MULTIPLE ZONE

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.)*
 At surface **565' FSL and 670' FSL**
 At proposed prod. zone **SW SE SE**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
660' south

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

16. NO. OF ACRES IN LEASE
1180+

17. NO. OF ACRES ASSIGNED TO THIS WELL
1180+

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
10,100'

19. PROPOSED DEPTH
10,100'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Elevations will be furnished later

22. APPROX. DATE WORK WILL START*
September 8, 1964

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
2 1/2"	20"	91.42# & 72.16#	60'	Cemented to surface
17-1/2"	13-3/8"	48#	1,100'	Cemented to surface
9-5/8"	5-1/2"	17# & 20#	10,100'	Cemented with sufficient cement to meet conditions encountered.

Propose to drill well with rotary tools with necessary drilling mud as necessary.
 The objective pay is the Mississippian Formation.
 There will possibly be two drill stem tests taken in the Mississippian.
 Coring of this well is not contemplated.

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

24. ORIGINAL SIGNED BY
 SIGNED R. E. DAVIS TITLE District Office Manager DATE August 27, 1964
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

THE PURE OIL COMPANY

LOCATION REPORT

Date March 9, 1964

A.F.E. No. 4744

Division Northern Producing

Prospect Big Indian Unit
District Casper

Pt. Big Indian Unit-

Lease U.S.A. (U-017578)

Acres 24,345.66 Unit Ac. 8405
Lease No. 8405

Big Indian Unit

Elevation _____ Well No. 5 (Serial No. _____)

Quadrangle SE - SE Sec. 29 Twp. 29S Rge. 24E

Bk. _____
Dist. _____
Twp. _____

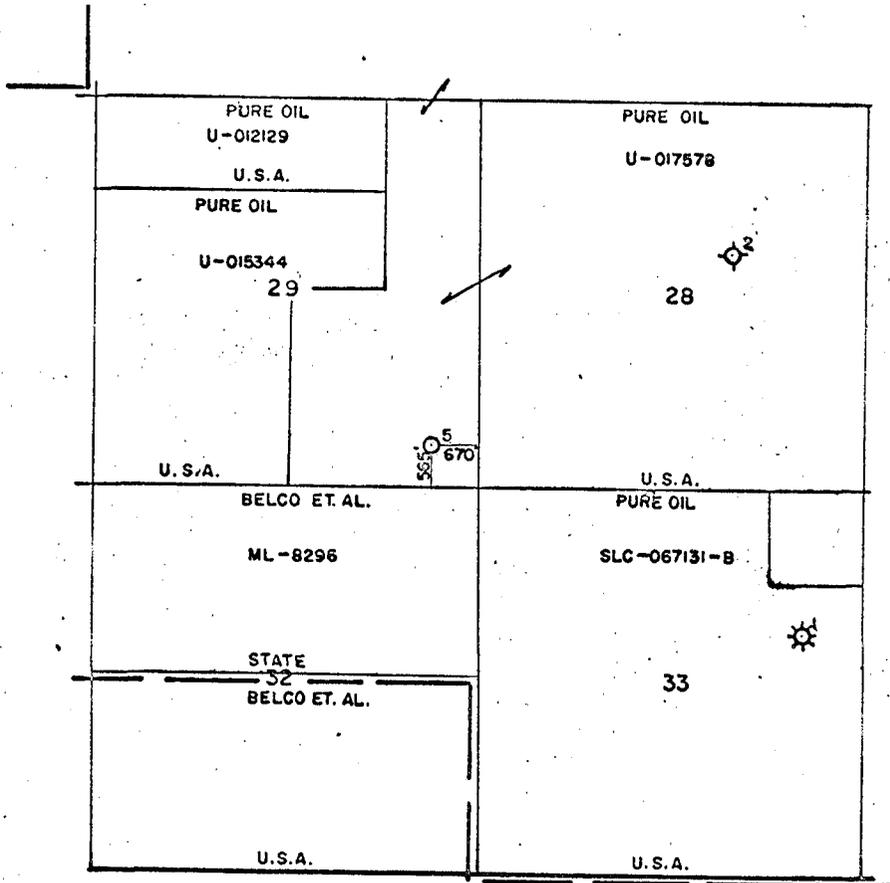
Survey Salt Lake Meridian County San Juan State Utah

Operator The Pure Oil Company Map Utah Grid 1-4

565 Feet North of the South line of Section
670 Feet West of the East line of Section
Feet _____ of the _____ line of _____
Feet _____ of the _____ line of _____

LEGEND

- Location
- ☀ Gas Well
- Oil Well
- ☀ Gas-Distillate Well
- ∅ or ○ Dry Hole
- ⊗ Abandoned Location
- ☀ or ⊗ Abandoned Gas Well
- or ⊗ Abandoned Oil Well
- ⊗ or ⊗ Input Well



Scale 2" = 1 Mile

Remarks: _____

Submitted by [Signature] Civil Engineer

Approved by _____ Division Manager

Approved by _____ Vice-President-General Manager

August 31, 1966

The Pure Oil Company
P. O. Box 1811
Casper, Wyoming

Attention: Mr. R. E. Davis

Re: Well No. Big Indian Unit #5
Sec. 29, T. 29 S., R. 24 E.,
San Juan County, Utah

Well No. Lisbon Unit B-#99
Sec. 9, T. 30 S., R. 24 E.,
San Juan County, Utah

Gentlemen:

It has come to the attention of this office that several wells completed in the state left water-bearing formations exposed behind the annulus of the production string. In some instances, this resulted in contamination due to the migration of oil, gas and salt water from adjacent strata.

After checking your Notices of Intention to Drill the above named wells, it appears that the proposed casing programs will be adequate. However, we would like to point out that if water-bearing aquifers are encountered, it will be necessary for you to take this matter under consideration and adjust the amount of casing and cement to be used in such a manner that these saturated sands will be protected.

Your cooperation with respect to the contents of this letter will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

PAUL W. BIRCHALL
CHIEF PETROLEUM ENGINEER

PWB:hc

cc: H. L. Counts, Pet. Eng., Box 266, Hatch, Utah
U. S. Geological Survey, 9416 Federal Building, Salt Lake City, Utah
State Engineers Office, 409 State Capital Building, Salt Lake City, Utah
Water Pollution Control Board, 45 Fort Douglas Boulevard, Salt Lake City, 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. (U-017578)

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Indian Unit

8. FARM OR LEASE NAME

Big Indian Unit

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Big Indian - Ext. Miss.

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

**Sec. 29, T-29S, R-24E
S.L.P.M.**

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

1. OIL WELL GAS WELL OTHER **Drilling 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
565' FSL and 670' FEL, SE SE

14. PERMIT NO.

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

L & S - OL 6,779'; DF 6,790'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT**

(Other) **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.)*

Spudded at 7:00 p.m. 9-17-64. Drilled 12-1/4" hole to 61'. Reamed to 26". On 9-18-64 set 2 jts. of 20" OD 9 1/2 conductor pipe at 61'. Halliburton cemented with 75 sac 50-50 Pozmix with 2% calcium chloride and 2% gel. Job complete at 9:45 a.m. 9-18-64.

Drilled 12-1/4" hole 1,083'. Reamed to 17-1/2" to 1,075'.

On 9-23-64 set 36 joints (1,080.35') of 13-3/8" OD 48# H-40 ST&C casing at 1,075'. Ran Baker guide shoe, insert float and four centralizers. Centralizers installed in middle of 1st, 2nd, 3rd and 4th joints. Insert float installed on top of 1st joint. Cemented with 850 sac 50-50 Pozmix with 2% gel and 2% calcium chloride added to mixing water. Full returns. Job complete at 12:00 midnight 9-23-64.

Now W.O.C.

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

SIGNED ORIGINAL SIGNED BY

R. E. Davis

TITLE **District Office Manager**

DATE **9-24-64**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-R3555
and Office Salt Lake City
Lease Number USA U-017578
Unit Big Indian

LESSEE'S MONTHLY REPORT OF OPERATIONS PAGE 2 of 2

State Utah County San Juan Field Big Indian

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 64.

Agent's address P. O. Box 1611 Company The Pure Oil Company
Casper, Wyoming Signed L. R. Coggins
Phone 234-1565 Agent's Title District Chief Clerk

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Bbks. of Oil	Gravity	Cu.ft. of Gas (In Thous.)	Gal of Gasoline Recovered	Bbls. of Water (If None so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SE SE Sec. 29	29S	24E	5	-0-						Location: 565' FSL & 670' FEL. L & S elevations: GL 6779'; DF 6790'. Spudded at 7:00 p.m. 9-17-64. Drilled 12-1/4" hole to 61' and reamed to 26". Ran 2 jts. of 20" OD 9 1/2# ST&C conductor pipe, landed at 61' KB. Cemented with 75 sax 50-50 Pozmix with 2% calcium chloride and 2% gel. Job complete at 9:45 a.m. 9-18-64. Drilled 12-1/4" hole to 1,083' and reamed to 17-1/2" to 1,075'. Set 36 jts. of 13-3/8" OD 4 1/2# H-40 ST&C casing at 1,075'. Ran Baker guide shoe and insert float and four centralizers. Cemented with 850 sax 50-50 Pozmix with 2% gel and 2% calcium chloride added to mixing water. Full returns. Job complete at midnight 9-23-64. Drilled 9-5/8" hole from 1,083' to 1,851'. Surface casing parted 9-27-64. Ran McCullough Neutron and Collar Log. Found bottom 3 jts. of 13-3/8" casing gone. Bottom of casing at 980'. Top of fish at 1,030'. Pipe fell 50'. Ran 7-7/8" bit, 1 drill collar and 9-5/8" taper cut-rite mill. Reamed and milled to top of fish. Ran 9-5/8" bit and 12-1/4" cut-rite reamer and milled out top of 13-3/8" casing and opened hole to 12-1/4" from bottom of fish from 1,128' to 1,659'. Ran 52 jts. of 9-5/8" OD 4 1/2# J-55 casing with LT&C, one guide shoe and insert float. Casing set at 1,659' KB. Cemented with 900 sax 50-50 Pozmix, 1/2# of CFR2 mix per sack, 2% calcium chloride added to mixing water. Plug down at 7:40 p.m. 9-30-64. Good returns. Now W.O.C.

Note—There were No runs or sales of oil; No If cu. ft. of gas sold;

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

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

Form G-329
(January 1950)

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

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. (U-017578)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Drilling Well		7. UNIT AGREEMENT NAME Big Indian Unit
2. NAME OF OPERATOR The Pure Oil Company		8. FARM OR LEASE NAME Big Indian Unit
3. ADDRESS OF OPERATOR P. O. Box 1611 - Casper, Wyoming		9. WELL NO. 5
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 565' FSL and 670' FKL, SE SE		10. FIELD AND POOL, OR WILDCAT Big Indian - Ext. Misc.
14. PERMIT NO.		11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA Sec. 29, T-29S, R-24E S.L.P.M.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) L & S - GL 6,779'; DF 6,790'		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

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

After setting 13-3/8" casing at 1,083' on September 23, 1964, drilled 9-5/8" hole to 1,851'. On September 27, 1964, 13-3/8" casing parted. Ran McCullough Neutron and Collar Log. Found bottom three joints of 13-3/8" casing gone. Bottom of casing at 980', top of fish at 1,030'. Reamed through fish with 12-1/4" cut-rite reamer and reamed 9-5/8" open hole to 12-1/4" from 1,128' to 1,659'.

On September 30, 1964, ran 52 joints of 9-5/8" OD 40# J-55 CFSI casing with L&C, 1 - Howco guide shoe and 1 - Howco insert float one joint off bottom. Casing set at 1,659' KB. Halliburton cemented with 900 sack 50-50 Pennix, 1/2# of CFR2 mix per sack added, 2% calcium chloride added to mixing water. Displaced cement with drilling mud. Plug down at 7:40 p.m. 9-30-64. Good returns and circulated cement around. Now W.O.C.

18. I hereby certify that the foregoing is true and correct
 ORIGINAL SIGNED BY
 SIGNED R. E. DAVIS TITLE District Office Manager DATE October 1, 1964
R. E. Davis

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. (U-017578)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL GAS WELL OTHER **Drilling 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

565' F8L and 670' F8L, SE SE

7. UNIT AGREEMENT NAME

Big Indian Unit

8. FARM OR LEASE NAME

Big Indian Unit

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Big Indian - Est. Miss.

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

**Sec. 29, T-29S, R-24E
S.L.P.M.**

14. PERMIT NO.

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

L & S - OL 6,779'; KB 6,790'

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) **Supplementary Well History**

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

ORIGINAL SIGNED BY

SIGNED **R. E. DAVIS**

TITLE **District Office Manager**

DATE **10-30-64**

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

P. 10 v

SUNDRY NOTICES AND REPORTS ON WELLS

The Pure Oil Company
P. O. Box 1611 - Casper, Wyoming
Big Indian Unit No. 5
565' FSL and 670' FEL, SE SE
Sec. 29, T-29S, R-24E
San Juan County, Utah

Lease No: U.S.A. (U-017578)
Supplementary Well History

October 30, 1964

Drilled to 8,109'. Well began kicking at 12:15 p.m. 10-25-64 at 8,109'. Shut BOP's. Mixed weight material to mud and connected degasser. Circulated 11.1# mud into well. Lost approximately 700 bbls. of mud from noon 10-25-64 to morning of 10-27-64. Continued circulating and conditioning mud. Opened choke manifold at 3:30 p.m., BOP's at 8:30 p.m. 10-27-64. Came out of hole with drill pipe.

On 10-29-64 ran DST No. 1 - 7,900' - 8,109' - Break in salt - Set two packers - 7,895' and 7,900'. Ran 3,000' of water cushion. Tool opened with very weak blow. Increased to weak blow on 15 minute initial flow. Shut in 60 minutes for FCI. Tool open 320 minutes. Opened with very weak blow. Increased to weak blow and steadily decreased until after 65 minutes very weak blow, then began building slowly until after 80 minutes - good blow. Put on 1/4" choke at surface. Gas to surface in 165 minutes. Gas too small to measure. Set on 1/2" choke after 185 minutes; on 3/4" choke after 245 minutes; on 1-1/8" choke after 280 minutes. Blow remained strong. No water cushion to surface. Closed tool for 1 hour FCI. Reversed out. Recovered 3,000' of water cushion, 2,000' estimated heavily gas cut black sulphite salt water, slightly oil cut. Bottom 1,000' very viscous.

Pressures: Top Clock: IH & FH 4912; ICI 4912; IF 1278; FF 1716; FCI 3510
Bottom Clock: IH & FH 4956; ICI 4956; IF 1267; FF 1779; FCI 3566.

Preparing to drill ahead.

H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-B336A
Land Office Salt Lake City
Lease Number USA U-017578
Unit Big Indian

LESSEE'S MONTHLY REPORT OF OPERATIONS PAGE 2 of 2

State Utah County San Juan Field Big Indian

The following is a correct report of operations and production (including drilling and producing wells) for the month of October 1964

Agent's address P. O. Box 1611 Company The Pure Oil Company

Casper, Wyoming Signed R. E. Davis

Phone 234-1565 Agent's Title District Office Manager

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Bbls. of Oil	Gravity	Cuft. of Gas (In Thou.)	Gal. of Gasoline Recovered	Bbls. of Water (If None so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
SE SE Sec. 29	29S	24E	5	-0-	Drilled from 1,851' to 8,109'. Well started kicking at 12:15 p.m. 10-25-64; at 8,109'. Shut down pumps and closed Hy-Dril. Mixed weight material to mud and connected degasser. Mixed mud to 11#. Started circulating. Could not free plug inside of drill pipe. Palled one joint of drill pipe. Ran McCullough sinker bars through drill pipe to 8,036'. No evidence of bridge indicated. Started circulating 11.1# mud into drill pipe at 650# pump pressure. Recovered 80% gas cut and from annulus holding 650# back pressure. Mud weight down-stream of degasser 10.8#. Pumped at rate of 4.4 bbls. per minute. Lost an estimated 75 bbls. of mud during circulation operations. Added lost circulation material to mud and circulated. Lost an estimated 700 bbls. of mud in hole. Opened choke manifold at 3:30 p.m. and BOP's at 8:30 p.m. 10-27-64. Palled drill pipe.						
					Ran DST NO. 1 - 7,900' - 8,109' - Break in salt. Set two packers, 7,895' and 7,900'. Ran 3,000' of water cushion. Tool opened with very weak blow. Increased to weak blow on 15 minute initial flow. Shut in 60 minutes for FSI. Tool open 320 minutes. Opened with very weak blow, increased to weak blow and steadily decreased until after 65 minutes very weak blow, then began building slowly until after 80 minutes - good blow. Put on 1/4" choke at surface. Gas to surface in 165 minutes. Gas too small to measure. Set on 1/2" choke after 185 minutes; on 3/4" choke after 245 minutes; on 1-1/8" choke after 280 minutes. Flow remained strong. No water cushion to surface. Closed tool for 1 hour FSI. Reversed out. Recovered 3,000' of water cushion, an estimated 2000' of heavily gas cut black sulfite salt water, slightly oil cut. Bottom 1,000' very viscous. Pressures: IH & FH 4912; ISH 4912; IF 1278; FF 1716; FSI 3510.						
					Drilled from 8,109' to 9,000' - Incomplete.						

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

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

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

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. (U-017578)

6. IF INDIAN; ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Indian Unit

8. FARM OR LEASE NAME

Big Indian Unit

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Big Indian - Ext. Miss.

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

**Sec. 29, T-29S, R-24E
S.L.P.M.**

14. PERMIT NO.

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

L & S - GL 6,779'; DF 6,790'; KB 6797'

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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.)*

Drilled to 9,756'. Attempted DST No. 2 - 9,645' - 9,756' - Miss., on November 5, 1964. Mis-run. Found hole in drill pipe 2200' off bottom.

Drilled to 9,800'.

11-7-64: DST No. 3 - 9,660' - 9,800' - Miss.

Ran 2,000' of water cushion. Tool opened with very, very weak blow on initial opening. Died after 10 minutes. Tool closed 30 minutes for ISI. Tool open 30 minutes. No blow. Tool closed for 30 minutes for FSI. Recovered 2,000' of water cushion and 30' of drilling mud. Pressures: Top: IH & FH 5531; IF & FF 886; ISI 1256; FSI 1071. Bottom: IH & FH 5580; IF & FF 988; ISI 1314; FSI 1174; MFT 1340.

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

SIGNED ORIGINAL SIGNED BY
R. E. DAVIS

TITLE District Office Manager

DATE 11-9-64

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. (U-017578)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Drilling Well		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR		Big Indian Unit
3. ADDRESS OF OPERATOR		8. FARM OR LEASE NAME
The Pure Oil Company		Big Indian Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		9. WELL NO.
565' FSL and 670' FEL, SE SE		5
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	10. FIELD AND POOL, OR WILDCAT
	L & S OL 6,779'; KB 6797'	Big Indian - Ext. Miss.
		11. SEC., T., R., M., OR BLD. AND SURVEY OR AREA
		Sec. 29, T-29S, R-24E
		S.L.P.M.
		12. COUNTY OR PARISH
		San Juan
		13. STATE
		Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Supplementary Well History <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 9,986'.

11-11-64: DST NO. 4 - 9,845' - 9,986' - MISS.

Tool open for initial flow for 15 minutes. Opened with weak blow, increased to good blow in 5 minutes, increased very slightly for rest of period. Tool closed 60 minutes for initial shut in. Tool open 75 minutes. Opened with weak blow, increased to good blow in 5 minutes. Remained good blow for 40 minutes, decreasing to weak blow at end of test. No gas to surface. Shut in 60 minutes for final shut in. Recovered 6,476' of total fluid, of which 1,500' was water cushion and 4,976' was black salty sulfite formation water, very slightly gas cut. Had strong sulfite odor. Pressures: Top: IH & FH 5622; ISI & FSI 3188; IF 866 - 1624 at end; FF 1670 - 2913 at end. Bottom: IH & FH 5718; ISI & FSI 3264; IF 1035 - 1732 at end; FF 1825 - 2986 at end. BHT 138°.

Drilled to 9,994' TD. Now running electric logs.

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

ORIGINAL SIGNED BY
SIGNED R. E. DAVIS TITLE District Office Manager DATE 11-12-64

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. (U-017576)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL GAS WELL OTHER **Drilling Well - Dry Hole**

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 **565' PSL and 670' PEL, SE SE**

7. UNIT AGREEMENT NAME

Big Indian Unit

8. FARM OR LEASE NAME

Big Indian Unit

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Big Indian - Ext. Miss.

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

**Sec. 29, T-29S, R-24E
S.L.P.M.**

14. PERMIT NO.

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

OL 6,779'; KB 6,797'

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9,994' TD. Ran electric logs.

LOG TOPS:

Hermosa	2,264' (+4533)	Base of Salt	9,572' (-2775)
Paradox	4,174' (+2623)	Miss.	9,622' (-2825)
Top of Salt	4,518' (+2279)	TD	9,994' (-3197)

Propose to plug and abandon as follows:

Plug No. 1	- 9,994'	- 9,500'	- 494'	- 160	sax
Plug No. 2	- 5,083'	- 4,933'	- 150'	- 48	sax
Plug No. 3	- 4,858'	- 4,758'	- 100'	- 33	sax
Plug No. 4	- 4,638'	- 4,468'	- 170'	- 54	sax
Plug No. 5	- 1,690'	- 1,590'	- 100'	- 33	sax
Plug No. 6	- 0'	- 20'	- 20'	- 5	sax

Will leave approximately 11.0% mud between cement plugs. Will install dry hole marker in accordance with U.S.G.S. regulations.

Verbal approval obtained to P & A from Mr. Jerry W. Long, U.S.G.S. - Durango, Colo.

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

ORIGINAL SIGNED BY

SIGNED R. E. DAVIS

TITLE District Office Manager

DATE 11-13-64

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED BY **UTAH OIL AND GAS
CONSERVATION COMMISSION**

DATE 11-17-64 by _____

CHIEF PETROLEUM ENGINEER

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. (U-017578)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Drilling Well - Dry Hole		7. UNIT AGREEMENT NAME Big Indian Unit
2. NAME OF OPERATOR The Pure Oil Company		8. FARM OR LEASE NAME Big Indian Unit
3. ADDRESS OF OPERATOR P. O. Box 1611 - Casper, Wyoming		9. WELL NO. 5
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 565' FSL and 670' FEL, SE SE		10. FIELD AND POOL, OR WILDCAT Big Indian - Ext. Miss.
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T-29S, R-24E S.L.P.M.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) OL 6,779'; KB 6,797'		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

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

(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.)*

9,994' TD

Well P & A 11-13-64 with 438 sax of salt saturated 50-50 Pozmix as follows:

- Plug No. 1 - 9,994' - 9,500' - 494' - 160 Sax
- Plug No. 2 - 5,083' - 4,933' - 150' - 148 Sax
- Plug No. 3 - 4,858' - 4,758' - 100' - 33 Sax
- Plug No. 4 - 4,638' - 4,468' - 170' - 54 Sax
- Plug No. 5 - 1,690' - 1,590' - 100' - 33 Sax
- Plug No. 6 - 40' - 0' - 40' - 10 Sax

All depths are KB measurement.

Left 10.7% mud between cement plugs. Installed dry hole marker in accordance with U.S.G.S. and State of Utah regulations.

Rig released at 8:00 p.m. 11-13-64. FINAL

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

SIGNED _____	ORIGINAL SIGNED BY R. E. DAVIS	TITLE District Office Manager	DATE 11-16-64
--------------	--	--------------------------------------	----------------------

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

ATTACHMENT NO. 1

Big Indian Unit No. 5
SE SE, Sec. 29, T-29S, R-24E
San Juan County, Utah

Lease No: U.S.A. (U-017578)

The Pure Oil Company
P. O. Box 1611
Casper, Wyoming

November 24, 1964

After setting 13-3/8" OD 48# H-40 casing at 1,075', drilled to 1,851'. At 1,851' the 13-3/8" casing parted. Bottom of casing at 980', top of fish at 1,030'. Milled out top of 13-3/8" fish and opened hole from bottom of fish from 1,128' to 1,659', from 9-5/8" to 12-1/4". Ran 52 jts. of 9-5/8" OD casing and set at 1,659' KB.

Drilled to 8,109'. Well started kicking at 8,109'. Mixed weight and lost circulation material and circulated out gas cut mud. Lost an estimated 700 bbls. of mud. After circulating and conditioning mud, ran DST No. 1.

DST NO. 1 - 7,900' - 8,109' - Break in salt

Set two packers - 7,895' and 7,900'. Ran 3,000' of water cushion. Tool opened with very weak blow. Increased to weak blow on 15 minute initial flow. Shut in 60 minutes for initial shut in. Tool open 320 minutes. Opened with very weak blow. Increased to weak blow and steadily decreased until after 65 minutes very weak blow, then began building slowly until after 80 minutes - good blow. Put on 1/4" choke at surface. Gas to surface in 165 minutes. Gas too small to measure. Set on 1/2" choke after 185 minutes; on 3/4" choke after 245 minutes; on 1-1/8" choke after 280 minutes. Blow remained strong. No water cushion to surface. Closed tool for one hour final shut in. Reversed out. Recovered 3,000' of water cushion, an estimated 2,000' of heavily gas cut black sulfite salt water, slightly oil cut. Bottom 1,000' very viscous. Pressures: Top: IH & FH 4912; ISI 4912; IF 1278; FF 1716; FSI 3510. Bottom: IH & FH 4956; ISI 4956; IF 1267; FF 1779; FSI 3566.

DST NO. 2 - 9,645' - 9,756' - MISS.

Mis-run. Found hole in drill pipe 2,200' off bottom.

DST NO. 3 - 9,660' - 9,800' - MISS.

Ran 2,000' of water cushion. Tool opened with very, very weak blow on initial opening. Died after 10 minutes. Tool closed 30 minutes for initial shut in. Tool open 30 minutes. No blow. Tool closed for 30 minutes for final shut in. Recovered 2,000' of water cushion and 30' of drilling mud. Pressures: Top: IH & FH 5531; IF & FF 886; ISI 1256; FSI 1071; Bottom: IH & FH 5580; IF & FF 988; ISI 1314; FSI 1174; BHT 1340.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

ATTACHMENT NO. 1 - CONTINUED

Big Indian Unit No. 5
SE SE, Sec. 29, T-29S, R-24E
San Juan County, Utah

November 24, 1964

The Pure Oil Company
P. O. Box 1611
Casper, Wyoming

DST NO. 4 - 9,845' - 9,986' - MISS.

Tool open for initial flow for 15 minutes. Opened with weak blow, increased to good blow in 5 minutes, increased very slightly for rest of period. Tool closed 60 minutes for initial shut in. Tool open 75 minutes. Opened with weak blow, increased to good blow in 5 minutes. Remained good blow for 40 minutes, decreasing to weak blow at end of test. No gas to surface. Recovered 6,476' of total fluid of which 1,500' was water cushion and 4,976' was black salty sulfite formation water, very slightly gas cut. Had strong sulfite odor. Pressures: Top: IH & FH 5622; ISI & FSI 3188; IF 866 - 1624 at end; FF 1670 - 2913 at end. Bottom: IH & FH 5718; ISI & FSI 3264; IF 1035 - 1732 at end; FF 1825 - 2986 at end. BHT 138°.

Well P & A 11-13-64 with 438 sax salt saturated 50-50 Pozmix as follows:

Plug No. 1	-	9,994'	-	9,500'	-	494'	-	160	sax
Plug No. 2	-	5,083'	-	4,933'	-	150'	-	148	sax
Plug No. 3	-	4,858'	-	4,758'	-	100'	-	33	sax
Plug No. 4	-	4,638'	-	4,468'	-	170'	-	54	sax
Plug No. 5	-	1,690'	-	1,590'	-	100'	-	33	sax
Plug No. 6	-	40'	-	0'	-	40'	-	10	sax

Left 10.7# mud between cement plugs. Installed dry hole marker in accordance with U.S.G.S. and State of Utah regulations.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. (U-017578)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Indian Unit

8. FARM OR LEASE NAME

Big Indian Unit

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Big Indian - Ext. Miss.

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

**Sec. 29, T-29S, R-24E
S.L.P.M.**

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. 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)*

At surface **565' FSL and 670' FEL, SE SE**

At top prod. interval reported below

At total depth **473' North 41° 30' E of bottom of surface casing**

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

9-17-64 11-12-64 OL 6779'; KB 6797'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

9,994' **0'-9994'**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

Dry Hole

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Schlumberger Gamma Ray-Scenic, Laterolog and CDM

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94	61'	26"	75 sac 50-50 Pozmix	-0-
13-3/8"	48	1,075'	17-1/2"	850 sac 50-50 Pozmix	-0-
9-5/8"	40	1,659'	12-1/4"	900 sac 50-50 Pozmix	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Dry Hole

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS **1 attachment - 2 pages**

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

ORIGINAL SIGNED BY

SIGNED **R. E. DAVIS**

TITLE **District Office Manager**

DATE **11-24-64**

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TRUE VERT. DEPTH
Hermann	2,264	4,174	Various porous sandstones - not tested. Limestone - tight See DST No. 1 on attachment Permeability from 9,852' - 9,994'. Tested water. See DST's on attachment for recovery.	2,264	
Paradox	4,174	4,518		4,174	
Salt	4,518	9,572		9,572	
Mississippi	9,622	9,994		9,622	
				NAME Hermann Paradox Top of Salt Base of Salt Mississippi T.D.	

38. GEOLOGIC MARKERS

NOV 27 1964

RA

STATE OF UTAH
 OIL & GAS CONSERVATION COMMISSION
 348 EAST SOUTH TEMPLE
 SUITE 301
 SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Big Indian Unit No. 5
 Operator The Pure Oil Company Address Box 1611 - Casper, Wyo. Phone 234-1565
 Contractor Mtn. States Drlg. Co. Address 622 Patterson Bldg. Phone _____
 Location: SE 1/4 SE 1/4 Sec. 29 T. 29 ^{XX} S R. 24 ^E San Juan ^{XX} County, Utah.

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1. <u>Surface</u>	<u>3,518'</u>	<u>Untested</u>	<u>Unknown</u>
2. <u>9,848'</u>	<u>9,994'</u>	<u>DST fill up approx. 92 bbls. in 1-1/2 hrs.</u>	<u>Approx. 35,000 PPM</u>
3.			
4.			
5.			

(continued on reverse side if necessary)

Formation Tops:

Hermosa	2,264'	Miss.	9,604'
Paradox	4,174'	TD	9,975'
Top of Salt	4,518'		
Base of Salt	9,572'		

Remarks:

DEC 10 1964

NOTE: (a) Upon diminishing supply of forms, please inform the Commission
 (b) Report on this form as provided for in Rule C-20, General Rules and regulations and Rules of Practice and Procedure, (See back of form)

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON 1, TEXAS

PLEASE REPLY TO
SCHLUMBERGER WELL SURVEYING CORPORATION
340 South 13th St.
P.O. Box 1825
Grand Junction, Colorado 81502

November 1964

The Pure Oil Company
P.O. Box 1611
Casper, Wyoming
Attn:

Dear Sir:

Enclosed are 2 prints of the Directional _____ on:
Company The Pure Oil Company, Well Big Indian Unit # 5
Field Wildcat, County San Juan State Utah

Additional prints are being sent to:

2 prints
The Pure Oil Company
P.O. Box 3372
Durango, Colorado

2 prints
The Pure Oil Company
P.O. Box 1338
Moab, Utah

3 prints
Humble Oil & Refining Company
P.O. Box 3082
Durango, Colorado
Attn: Mr. T. W. Fautin

2 prints
Texas-Eastern Transmission Corp.
22 Park Avenue Suite 200
Oklahoma City, Oklahoma
Attn: Mr. John L. Lookingbill

2 prints
United Technical Corporation
5221 South Major Street
Murray, Utah
Attn: Mr. Emmette F. Gathright

2 prints
Belco Petroleum Corporation
630 Third Avenue
New York 17, New York
Attn: Mr. John D. Lomax

1 prints
Belco Petroleum Corporation
1803 North 20th Street
Grand Junction, Colorado
Attn: Mr. Joe Frisch

2 prints
Pubco Petroleum Corporation
P.O. Box 1419
Albuquerque, New Mexico
Attn: Mr. J. L. Albright

The film is _____

Continued on next page

We appreciate the privilege of serving you.

Very truly yours,
SCHLUMBERGER WELL SURVEYING CORPORATION

DISTRICT MANAGER

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON I, TEXAS

PLEASE REPLY TO
SCHLUMBERGER WELL SURVEYING CORPORATION

Page 2

Attn: _____

Dear Sir:

Enclosed are _____ prints of the _____ on:
Company _____, Well _____
Field _____, County _____ State _____

Additional prints are being sent to:

1 prints
Resource Ventures Corporation
1370 South Third West
Salt Lake City, Utah
Attn: Mr. Andrew Morgan

1 prints
The Superior Oil Company
P. O. Box 1521
Houston, Texas 77001
Attn: Mr. M. U. Broussard

1 prints
The Superior Oil Company
P. O. Drawer "G"
Cortez, Colorado
Attn: Mr. L. S. Robbins

2 prints
U. S. Geological Survey
P. O. Box 1809
Durango, Colorado
Attn: Mr. Jerry W. Long

1 prints
State of Utah
348 East South Temple, Suite 301
Salt Lake City, Utah
Attn: Mr. Cleon B. Feight

_____ prints

_____ prints

_____ prints

The film is _____ being mailed to:

The Pure Oil Company
P. O. Box 1611
Casper, Wyoming

We appreciate the privilege of serving you.

Very truly yours,
SCHLUMBERGER WELL SURVEYING CORPORATION

W. A. Montgomery (E)
DISTRICT MANAGER



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • CASPER DISTRICT
P. O. BOX 1611 • CASPER, WYOMING • PHONE 234-1565

November 27, 1964

Big Indian Unit
San Juan County, Utah

Re: Directional Log
Big Indian Unit Well #5
San Juan County, Utah

Gentlemen:

As indicated on the attached mailing list furnished by Schlumberger Well Surveying Corporation you have been furnished copies of the Directional Log run on the Big Indian Unit Well #5.

This notification is to inform you that the "true vertical depth" of 9911.70 feet at bottom hole as shown by Schlumberger is in error by 20 feet and should read 9931.70 feet.

Schlumberger has rechecked their computations and assure us that the error occurred in the summation of the column headed Vertical Footage and that all other data as recorded are correct.

Very truly yours,

THE PURE OIL COMPANY

Charles R. Clark
Charles R. Clark
District Development Geologist

CRC:db
cc: E. C. Clay

November 27, 1964

Pure Oil Company
P. O. Box 1511
Casper, Wyoming

Re: Well No. Big Indian Unit #5
Sec. 29, T. 29 S., R. 24 E.,
San Juan County, Utah

Gentlemen:

Upon receiving your "Well Completion or Recompletion Report and Log" for the above mentioned well, it was noted that you did not report the water sands encountered while drilling. It was also noted that a directional survey was made of which we did not receive a copy.

It would be appreciated if we could receive a copy of this survey, and have the enclosed forms OGCC-8-X completed, and returned to this office.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

KGW: sch

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-23865
Land Office Salt Lake City
Lease Number USA U-017578
Tract Big Indian

LESSEE'S MONTHLY REPORT OF OPERATIONS

PAGE 3 of 3

State Utah County San Juan Field Big Indian

The following is a correct report of operations and production (including drilling and producing wells) for the month of November 19 64

Agent's address P. O. Box 1611 Company The Pure Oil Company

Casper, Wyoming Signed R. L. Davis

Phone 234-1565 Agent's Title E District Office Manager

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Bbls. of Oil	Gravity	Cu.ft. of Gas (In Therm.)	Gal. of Gasoline Recovered	Bbls. of Water (If None so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Big Indian Unit No. 5 - Continued										
Plug No. 5 - 1,690' - 1,590' - 100' - 33 sac, salt saturated, 50-50 Pozmix										
Plug No. 6 - 40' - 0' - 40' - 10 sac, salt saturated, 50-50 Pozmix										
Installed dry hole marker in accordance with U.S.G.S. and State of Utah regulations. Rig released at 8:00 p.m. 11-13-64. <u>FINAL</u>										

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

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

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

SA.

P&H

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-2366A
Land Office Salt Lake City
Lease Number USA U-017578
Unit Big Indian

LESSEE'S MONTHLY REPORT OF OPERATIONS

PAGE 2 of 3

State Utah County San Juan Field Big Indian

The following is a correct report of operations and production (including drilling and producing wells) for the month of November 19 64

Agent's address P. O. Box 1611 Company The Pure Oil Company
Casper, Wyoming Signed R. E. Davis
Phone 234-1565 Agent's Title District Office Manager

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Bbls. of Oil	Gravity	Cuft. of Gas (In Therms.)	Gal. of Gasoline Recovered	Bbls. of Water (If None so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SE SE Sec. 29	29S	24E	5	-0-						Drilled from 9,000' to 9,756'. Attempted DST No. 2 - 9,645' - 9,756'. Mis-run. Found hole in drill pipe 2,200' off bottom. Drilled to 9,800'. Ran DST No. 3 - 9,660' - 9,800' - Miss. Ran 2,000' of water cushion. Tool opened with very, very weak blow on initial opening. Died after 10 minutes. Tool closed 30 minutes for ISI. Tool open 30 minutes. No blow. Tool closed for 30 minutes for FSI. Recovered 2,000' of water cushion and 30' of drilling mud. Pressures: IH & FH 5531; IF & FF 886; ISI 1256; FSI 1071.
										Drilled to 9,986'. DST No. 4 - 9,845' - 9,986' - Miss. Tool open for IF for 15 minutes. Opened with weak blow, increased to good blow in 5 minutes, increased very slightly for rest of period. Tool closed 60 minutes for ISI. Tool open 75 minutes. Opened with weak blow, increased to good blow in 5 minutes. Remained good blow for 40 minutes, decreasing to weak blow at end of test. No gas to surface. Recovered 6,476' of total fluid, of which 1,500' was water cushion and 4,976' was black salty sulfite formation water, very slightly gas cut. Had strong sulfite odor. Pressures: IH & FH 5622; ISI & FSI 3188; IF 866 - 1624 at end; FF 1670 - 2913 at end.
										Drilled to 9,994' TD. Drilling completed 11-12-64. Ran electric logs.
LOG TOPS:										
Hermosa			2,264'	(+4533)						Base of Salt 9,572' (-2775)
Paradox			4,174'	(+2623)						Miss. 9,622' (-2825)
Top of Salt			4,518'	(+2279)						
Well P & A 11-13-64 as follows:										
Plug No. 1	-	9,994'	-	9,500'	-	494'	-	160 sax,	salt saturated,	50-50 Pozmix
Plug No. 2	-	5,083'	-	4,933'	-	150'	-	48 sax,	salt saturated,	50-50 Pozmix
Plug No. 3	-	4,858'	-	4,758'	-	100'	-	33 sax,	salt saturated,	50-50 Pozmix
Plug No. 4	-	4,368'	-	4,168'	-	170'	-	54 sax,	salt saturated,	50-50 Pozmix

(Continued on page 2)

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

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

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50th YEAR



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • DISTRICT OPERATIONS
P. O. BOX 1611 • CASPER, WYOMING 82602 • AREA CODE 307-234-1565

December 9, 1964

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah

Attn: Kathy G. Warner
Records Clerk

Dear Miss Warner:

Enclosed please find two copies of Form OGCC-8-X, "Report of Water Encountered During Drilling" for Big Indian Unit No. 5, Sec. 29, T-29S, R-24E, San Juan County.

The directional survey requested in your letter of November 27, 1964 was mailed directly to your office by Schlumberger.

If further information is needed please advise.

Yours very truly,

THE PURE OIL COMPANY

L. K. Coggan
District Chief Clerk

LKC:js