

~~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 RJD

Copy NID to Field Office

Approval Letter

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 11-27-61

OW _____ WW _____ TA _____

GW _____ OS _____ PA

Location Inspected _____

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log 12-7-61

Electric Logs (No.) 4

E _____ I _____ E-I _____ GR _____ GR-N Micro _____

Lat. Mi-L _____ Sonic Others Caliper Log



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • Four Corners District

P. O. BOX 265 • MOAB, UTAH • ALPINE 3-3581

September 1, 1961

Mr. Cleon B. Feight, Executive Secretary
Utah Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Dear Mr. Feight:

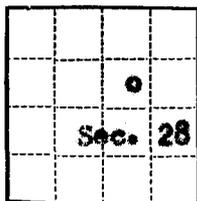
Enclosed are two copies of the Notice of Intention to Drill the Big Indian USA "B" Well No. 1, located in the SW NE of Sec. 28, 29S, 24E, San Juan County, Utah.

The plats which are to accompany these notices have not been received in this office, but will be forwarded to your attention as soon as they are received.

Yours very truly,

THE PURE OIL COMPANY

John B. Strong
District Chief Clerk



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. Utah 017578

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

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

September 1, 1961

Big Indian USA "B"
Well No. 1 is located 2005 ft. from N line and 1835 ft. from E line of sec. 28

SW NE Sec. 28 29S 24E S.L.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Big Indian San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ ground (Partially graded) above sea level is 6745 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)

Proposed Casing Program:

- 60' - 16" OD Conductor - Cemented to surface
- 1,200' - 10-3/4" OD Surface casing - Cemented to surface
- 10,200' - 5-1/2" OD Production string - Cemented with sufficient cement to cover salt.

Principal objective - Mississippian

Estimated Total Depth - 10,200'

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

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

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

THE PURE OIL COMPANY LOCATION REPORT

Date August 31, 1961

A.F.E. No. 4517

Division Northern Producing

Prospect District Four Corners

Big Indian

Lease USA - B (Utah 017578)

Acres 1196.47 Lease No. 8405

Elevation 6745' Ungwell No. 1 (Serial No. _____)

Quadrangle SW NE Sec. 28 Twp. 29S Rge. 24E

Bk. Dist. Twp.

Survey SLPM County San Juan State Utah

Operator The Pure Oil Company

Map Utah 1-4

2005 Feet South of the North line of Section

1835 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

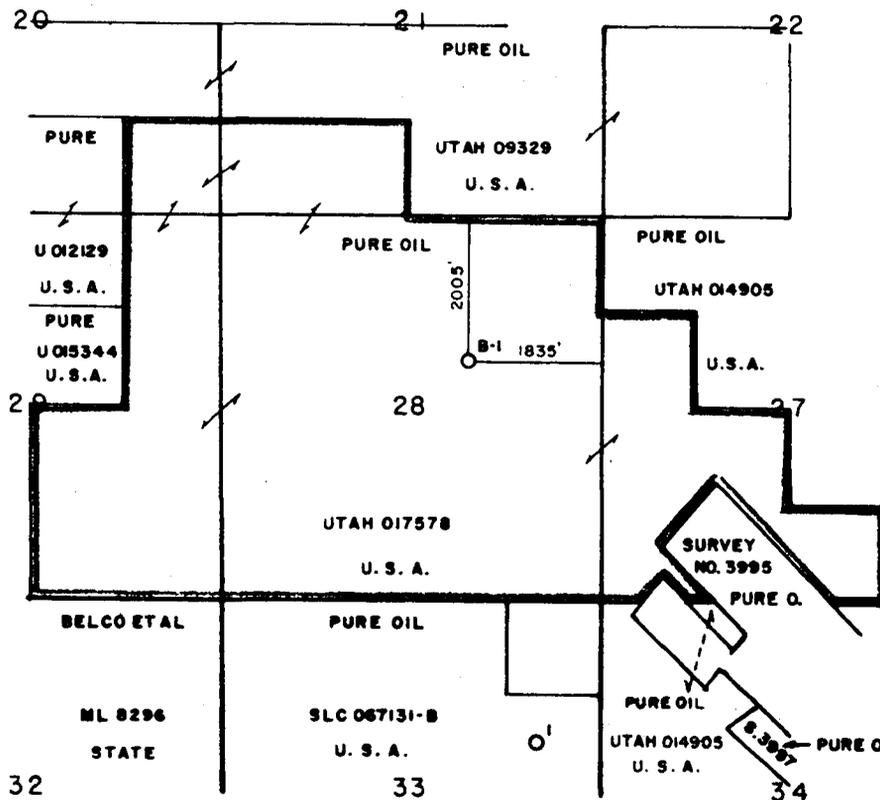
○ or ○ Dry Hole

⊗ 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 _____

September 7, 1961

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

Attn: J. B. Strong, Dist. Chief Clerk

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Big Indian USA "B" #1, which is to be located 2005 feet from the north line and 1835 feet from the east line of Section 28, Township 29 South, Range 24 East, SLRM, Wildcat, San Juan County, Utah.

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

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:avg

cc: Jerry W. Long, Dist. Eng.
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

Be sure with Pure



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • Four Corners District

P. O. BOX 265 • MOAB, UTAH • ALPINE 3-3581

September 11, 1961

Mr. Cleon B. Feight, Executive Secretary
Utah Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Dear Mr. Feight:

Enclosed in duplicate are the plats to accompany the Notice of Intention to Drill the Big Indian USA B No. 1 which is to be located 2005 feet from the north line and 1835 feet from the east line of Section 28, Township 29 South, Range 24 East S1EM, San Juan County, Utah.

Yours very truly,

THE PURE OIL COMPANY

J. B. Strong
District Chief Clerk

Encl: (2)



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • Four Corners District

P. O. BOX 265 • MOAB, UTAH • ALPINE 3-3581

September 21, 1961

Mr. Cleon B. Feight, Executive Secretary
Utah Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Dear Mr. Feight:

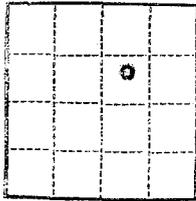
It is respectfully requested that all information on The Pure Oil Company Big Indian USA "B" Well No. 1 be held as confidential for a period of ninety (90) days.

Yours very truly,

THE PURE OIL COMPANY

J. B. Strong
District Chief Clerk

Sold Until Dec 20 '61



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

License No. Utah 017578

Unit _____

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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

September 21, 19 61

Big Indian USA #2

Well No. 1 is located 2005 ft. from N line and 1835 ft. from E line of sec. 28

SW NE Sec. 28
(1/4 Sec. and Sec. No.)

29S 24E
(Twp.) (Range)

S.L.P.M.
(Meridian)

Wildest
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~deck~~ ^{ground} floor above sea level is 6740 ft.
~~is~~ elevation 6753 ft.

DETAILS OF WORK

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

Spudded at 2:30 p.m. 9-20-61. Drilled 13" hole to 65'. Reamed to 20" to 65'. Set 2 jts. (64.89') of 16" OD 65 conductor pipe at 62.89' KB measurement. Cemented with 65 sack neat cement with 3% calcium chloride. Good returns. Job complete at 12:00 midnight 9-20-61.

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

Company The Pure Oil Company

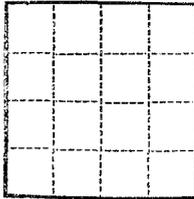
Address P. O. Box 265

Moab, Utah

Alpine 3-3531

By J. B. Strong
District Chief Clerk
Title _____

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. Utah 017578
Unit _____

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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

September 26, 1961

Big Indian USA "B"

Well No. 1 is located 2005 ft. from N line and 1835 ft. from E line of sec. 28

SW NE Sec. 28
(1/4 Sec. and Sec. No.)

29S
(Twp.)

24E
(Range)

S.L.P.M.
(Meridian)

Wildcat

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~derrick floor~~ ^{ground} above sea level is 6740 ft.
KB elevation 6753 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)

9-24-61

Set 31 jts. of 10-3/4" OD 32.75# casing at 98h' with 400 sax 50-50 Pozmix with 4% gel, 1/4# Flocele and 1# Walnut hulls per sack and 2% calcium chloride, followed with 100 sax Neat cement with 2% calcium chloride. Plug down at 5:00 a.m. 9-25-61. Good returns on cement.

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

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By

J. B. Strong

Title

District Chief Clerk

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
Salt Lake City
See Below
LEASE NUMBER
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1961.

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

Noab, Utah

Signed

J. Strong

Phone Alpine 3-3581

Agent's title District Chief Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
LEASE NO. 067131-B										
SE NE Sec. 33 Big Indian USA No. 1	29S	24E	1	6	736	68.5	41,032	None	None	Production is what was produced while testing. 9-4-61: Absolute open flow potential as shown by four point back pressure test is 44,000 MCF/day with a GOR of 102,486 CFPB. Gas gravity from high stage separator .885, low stage 1.050. Oil gravity 65.6 at 60°. Flow rate on 1 1/4" choke - 1,973,222 CFPD Flow rate on 1 9/16" choke - 3,666,874 CFPD Flow rate on 2 1/4" choke - 5,440,418 CFPD Flow rate on 2 9/16" choke - 7,379,387 CFPD 60 bbls. of wtr per day, possibly acid water or water lost in formation during completion. 9-13-61: Opened well at 1:30 p.m. 9-11-61 on 4 2/64" choke to start drawdown test. Initial shut in tubing pressure 2166# DWI. Floored well at 10,879,815 CFPD with 800 psig on first stage separator. Average 8.66 bbls. of 68.5 corrected gravity condensate per hour. Well stabilized with flowing tubing pressure at 1270# DWI. Caught samples and shut well in at 1:00 p.m. 9-13-61. Total flowing time 47 hours and 30 minutes. I.P. for records: 24 hours, 4 2/64" choke, 10,880, MCF gas, 208 bbls. of 68.5 gravity condensate with a GOR of 52,308 CFPB. Flowing tubing pressure 1270#. Well now shut in.
LEASE NO. 017578										
SW NE Sec. 28 Big Indian USA B-1	29S	24E	1	-0-	Location: 2005' FNL and 1835' FEL. Spudded 2:30 p.m. 9-20-61. Set 2 jts. (64.89') of 16" OD 65# conductor pipe at 62.89' KB. Cemented with 65 sax neat cement with 3% CaCl. Good returns. Drilled to 2650' - Incomplete.					

NOTE.—There were See Form 9-361 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.)

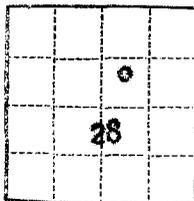
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. Utah 017578

Unit _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO 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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

October 13, 1961

Big Indian UCA "B"

Well No. 1 is located 2005 ft. from N line and 1835 ft. from E line of sec. 28

SW NE Sec. 28
(1/4 Sec. and Sec. No.)

29S 21E
(Twp.) (Range)

S.L.P.M.
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~surface~~ ^{ground} above sea level is 6740 ft. KB elevation 6753'.

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)

SEE SUPPLEMENTAL SHEET ATTACHED

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

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpino 3-3531

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

Title _____

Big Indian USA #3 No. 1
SW NE Sec. 28, 29S, 24E
San Juan County, Utah

Supplementary Well History
October 13, 1961

10-9-61: Drilled into an 18" cavity at 3674' and lost circulation. Drilled to 3,676'. Plug No. 1 thru drill pipe. Pumped 10 bbls. fresh water gel ahead of cement. Cemented with 50 sax regular cement with 50# Gilsomite with 1/4# Floccule and 2% calcium chloride added. Job complete at 9:45 p.m. 10-9-61. Checked fluid level with wire line. Found fluid level at 2,110'. Unable to raise fluid. Plug No. 2 - Same procedure as plug number 1, cemented with 75 sax regular cement with 25# Gilsomite, 1/4# Floccule, 3% calcium chloride. Job complete at 1:45 a.m. 10-10-61. Ran wire line to check fluid level. Found top of fluid at 2,124'.

10-10-61: Plug No. 3 Ran 20 bbls. slurry of gunk, composed of 1000 gals. diesel oil and 50 sax gal, ahead of cement. Cemented with 124 cubic feet, 75 sax regular cement, 75# Gilsomite, 1/2# Floccule per sack, 3% calcium chloride. Ran wire line and found top of fluid at 2,125'. Unable to fill hole. Ran drill pipe open ended to 3,046', 630' off bottom and set plug No. 4, 290 cubic feet, 175 sax regular cement with same mixture as above. Ran wire line and found top of fluid at 2,270', top of cement at 3,474'. Pumped in 24 bbls. of mud, had 100% fill up, top of fluid at 1,970'. 240 cubic feet went into formation. Job complete at 6:00 p.m. 10-10-61. W.O.G. 5 hours. Filled hole with mud. Started drilling cement at 5:00 a.m. 10-11-61

10-11-61: Drilled out cement to 3,676'. Lost circulation, approximately 1000 bbls. of mud with 45% lost circulation material. Dry drilled 30' of new hole. Very fast drilling, could possibly be salt. Ran plug number 5 - 125 sax regular cement, 25# Gilsomite, 1/2# Floccule per sack with 3% calcium chloride. Spotted plug with drill pipe at 3,046'. Pulled pipe out of hole and ran wire line. Found top of fluid at 2,300'. Loaded hole and went in with bit. Hit bridge at 3,018'. Top of cement at 3,389'. Circulated two hours to condition hole, before drilling cement. Drilled out to 3,674' and lost circulation.

10-12-61: Correction on all measurements. Lost circulation zone at 3,654' rather than 3,674'. 20' error on Contractor's tally. Ran Schlumberger Gamma Ray Neutron and Caliper logs.

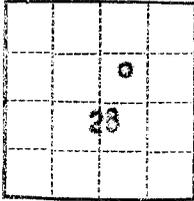
HONCO DST NO. 1 - 3,644'-3,705' Tool open 45 minutes. Opened with a good blow, died in 25 minutes. Recovered 300' of muddy salt water and 1120' of salt water. Bottom recorder pressures: IH and FH 720#; 30 minute IGI and FGI 720#; IF and FF 720#. Top recorder pressures: IH and FH 690#; 30 minute IGI and FGI 690#; IF 475#; FF 690#. Bottom hole temperature 92°.

Went in hole with drill pipe open ended to 3,630'. Dropped 75 burlap sack, wrapped in heavy wire, cylinder type. Now coming out for bit to drill up sacks.

LOG TOPS

Hermosa 1604 (+5149)
Paradox A 3483 (+3370)
Paradox B 3689 (+3064)

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. Utah 017578

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

October 18, 1961

Big Indian UPA #3

Well No. 1 is located 2005 ft. from N line and 1835 ft. from E line of sec. 28

SW NE Sec. 28
(¼ Sec. and Sec. No.)

29S
(Twp.)

21E
(Range)

S.E.P.M.
(Meridian)

Wildcat

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~surface~~ ^{ground} above sea level is 6740 ft. KB elevation 6753'.

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)

Went in hole with bit. Burlap sack were at 3645'. Drilled up sack, pushed some to 3679'. Checked fluid level. Found top of fluid at 2228', no bridging effect from sacks. Dropped rocks, the size of soft balls and larger, to fill from 3679' to 3656'. Dumped in 7 bbls. of rocks. Unable to get any in rat hole as they were turning corner. Dropped in 6 bbls. more and got bridged to 2639'. Drilled through rock bridge at 3654', then went on vacuum. Dry drilled to 3974'.
10-16-61. Ran 129 jts. of 7-5/8" OD 26.40# N-80 casing, set at 3974' KB. Cemented with 150 sack of regular cement, salt saturated, with 3% calcium chloride. Plug down at 1:15 a.m. 10-17-61. Now M.O.C.

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

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By J. B. Strong

Title District Chief Clerk

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
LAND OFFICE Salt Lake City
LEASE NUMBER See Below
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat (Big Indian)

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1961,

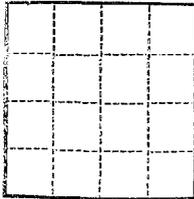
Agent's address P. O. Box 265 Company The Pure Oil Company
Moab, Utah Signed J. B. Strong
Phone Alpine 3-3581 Agent's title District Chief Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Ft. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
LEASE NO. 067131-B										
SE NE Sec. 33 Big Indian USA No. 1	29S	24E	1	-0-	70	68.5	3,903	None	None	Production shown was produced into test tank while testing in September, 1961.
CONFIDENTIAL FOR 90 DAYS										
LEASE NO. 017578										
SW NE Sec. 28 Big Indian USA B-1	29S	24E	1	-0-						Drilled 2650' to 3676'. Drilled into an 18" cavity at 3674' and lost circulation. Ran two cement plugs using a total of 125 sax regular cement with 50# Gilsonite and 1/4# Flocele and 2% calcium chloride added. Found top of fluid at 2124'. Ran plug #3. Cemented with 124 cu. ft., 75 sax regular cement, 75# Gilsonite, 1/2# Flocele per sack and 3% calcium chloride. Found top of fluid at 2128'. Unable to fill hole. Ran drill pipe open ended to 3046', 630' off bottom and set plug #4, 290 cu. ft, 175 sax regular cement with same mixture as plug #3. Found top of fluid at 2270', top of cement at 3474'. Filled hole with mud. Drilled out cement to 3676'. Lost circulation. Dry drilled 30' of new hole. Ran plug #5 - 125 sax regular cement, 25# Gilsonite, 1/2# Flocele per sack with 3% calcium chloride. Spotted plug at 3046'. Found top of fluid at 2300'. Loaded hole and drilled out to 3674' and lost circulation. Strapped pipe. Found lost circulation zone to be at 3654' rather than 3674'. Ran Schlumberger Gamma Ray Neutron and Caliper logs. DST No. 1 - 3644'-3705'. Rec. 300' of muddy salt water and 1120' of salt water. Went in hole with drill pipe open ended to 3630'. Dropped burlap sax in hole. Drilled up sax, no bridging effect. Dry drilled to 3974'. Set 129 jts. of 7-5/8" OD 26.40# casing at 3974' KB. Cemented with 150 sax reg. cement, salt saturated with 3% CaCl. Plug down 10-17-61. Drilled 3974' to 6323' with no loss of circulation.

NOTE.—There were See Form 9-361 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.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
License No. Utah 017578
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

November 25, 1961

Big Indian USA "3"

Well No. 1 is located 2005 ft. from [N] line and 1835 ft. from [E] line of sec. 28

SW NE Sec. 28
(¼ Sec. and Sec. No.)

29S
(Twp.)

24E
(Range)

S.L.P.M.
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~derrier floor~~ ^{ground} above sea level is 6740 ft. KB elevation 6753'.

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)

11-18-61 DST No. 2, 9755'-9843'. Tool open 30 minutes with weak blow and died in 5 minutes. Attempted to pull out of hole but pipe was stuck. Loaded inside of pipe with mud. Worked pipe loose by jarring and pulling up to 285,000 lbs. No recovery due to loading pipe with mud. Pressures: IH 5270, 30 minute ICI 415, IF and FF 140, 30 minute FCI 140, FH 5270. Bottom hole temperature 148°.

11-23-61 DST No. 3, 9876'-9951'. Tool open one hour with good to medium blow of air throughout test. Recovered 679' of salt water. Pressures: IH 5720, 30 minute ICI 3235, IF 1295, FF 1315, 30 minute FCI 3210, FH 5675.

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

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By J. W. Burnside
Title Acting District Chief Clerk

Comp.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
LAND OFFICE **Salt Lake City**
LEASE NUMBER **See Below**
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat (Big Indian)

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 19 61,

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

Moab, Utah

Signed _____

Phone Alpine 3-3581 Agent's title District Chief 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)
LEASE NO. 067131-B										
SE NE Sec. 33 Big Indian USA No. 1	29S	24E	1	-0-	199	68.5	11,096	None	None	Production shown was produced into test tank while testing in September, 1961.
LEASE NO. 017578										
SW NE Sec. 28 Big Indian USA B-1	29S	24E	1	-0-						Drilled 6323' to 9843'. DST No. 2 - 9755-9843. Cored to 9951'. DST No. 3 - 9876-9951. Drilled to 10,070 TD. Drilling completed at 7:30 a.m. 11-25-61. Ran electric logs. Well P & A with salt saturated regular cement xx with 2% gel, as follows: 9650' - 9850' - 200' 75 sax 3900' - 4250' - 350' 90 sax 10 sack plug at surface. Installed dry hole marker in accordance with U.S.G.S. regulations. Rig released at 6:00 a.m. 11-22-61. <u>FINAL</u>

NOTE.—There were 199 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.



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • Four Corners District
P. O. BOX 265 • MOAB, UTAH • ALPINE 3-3581

December 5, 1961

Mr. C. B. Feight
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Dear Mr. Feight:

This is to inform you that all information on The Pure Oil Company Big Indian USA "B" No. 1 is not to be held confidential.

The information is still respectfully requested to be held confidential on The Pure Oil Company Big Indian USA

No. 1.

Well log Reo'd 9-25-61 - Hold Until Jan 25 '61

Yours very truly,

THE PURE OIL COMPANY

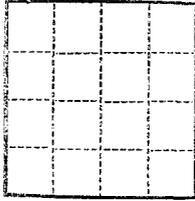
J. B. Strong
District Chief Clerk

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. Utah 017578

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

December 5, 19 61

Big Indian USA "B"

Well No. 1 is located 2005 ft. from N line and 1835 ft. from E line of sec. 28

SW NE Sec. 28
(1/4 Sec. and Sec. No.)

29S
(Twp.)

21E
(Range)

S.L.P.M.
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~drill hole~~ ^{ground} above sea level is 6740 ft. ~~KB~~ elevation 6753'.

DETAILS OF WORK

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

Total Depth 10,070'

Plan to Plug and Abandon as follows:

9650' - 9850' - 200' - 75 sx regular cement, salt saturated, with 2% Cel.

3900' - 4250' - 350' - 90 sx regular cement, salt saturated, with 2% Cel.

Will set 10 sacks cement, salt saturated, in the top of the surface casing.

Will install Dry Hole Marker according to U.S.G.S. Regulations.

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

Company The Pure Oil Company

Address P. O. Box 265

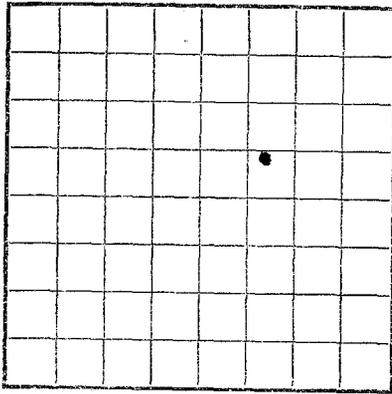
Moab, Utah

Alpine 3-3581

By J. B. Strong

Title District Chief Clerk

U. S. LAND OFFICE Salt Lake City
 SERIAL NUMBER Utah 017578
 LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Pure Oil Company Address P.O. Box 265 - Moab, Utah
 Lessor or Tract U. S. Government Field Wildcat State Utah
Big Indian USA-B Well No. 1 Sec. 28 T. 29S R. 24E Meridian Salt Lake P.M. County San Juan KB-6753'
 Location 2005 ft. XXX of N Line and 1835 ft. XXX of E Line of SW NE Elevation Gr. 6740'
(Derrick floor relative to sea level)

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

Signed J. Blaney Title District Chief Clerk

Date December 7, 1961

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

Commenced drilling September 20, 1961 Finished drilling November 25, 1961

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-	
16"	65	8-R	NSS	63'	Coupling				Cemented to surface.
10-3/4"	32.75	8-R	NSS	984'	Float				
7-5/8"	26.40	Buttress	NSS	3974'	Float				Intermediate String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	63'	65 st.	Halliburton		
10-3/4"	984'	500 st.	Halliburton		
7-5/8"	3974'	150 st.	Halliburton		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

FOLD MARK

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

TOOLS USED

Rotary tools were used from zero feet to 10,070 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Plugged & Abandoned: _____, 1961 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
0-	65'	65'	Surface shale.
65'	770'	705'	Shale.
770'	985'	215'	Limestone, sand and shale.
985'	2193'	1118'	Sand and shale.
2133'	2650'	217'	Sand, chert and lime.
2650'	2885'	235'	Sand and shale.
2885'	2981'	96'	Sand, shale and lime.
2981'	3225'	244'	Lime and shale.
3225'	3331'	106'	Black shale.
3331'	3405'	74'	Lime.
3405'	3676'	271'	Lime and shale.
3676'	3705'	29'	Salt.
3705'	3925'	220'	Lime.
3925'	3974'	49'	Lime and dolomite.
3974'	4030'	56'	Anhydrite and shale.
4030'	4535'	505'	Salt and anhydrite stringers.
4535'	5330'	795'	Salt and shale.
5330'	5558'	228'	Hard shale.
5558'	5708'	150'	Salt.
5708'	6060'	352'	Salt and shale.
6060'	6150'	90'	Salt and shale stringers.
6150'	6268'	118'	Salt and shale.
6268'	6321'	53'	Salt.
6321'	6558'	237'	Salt and shale.
6558'	6955'	397'	Salt.
6955'	7050'	95'	Shale.

FORMATION RECORD - CONTINUED

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
7050'	7300'	250'	Salt.
7300'	7401'	101'	Shale.
7401'	7713'	312'	Salt and shale.
7713'	7905'	192'	Shale.
7905'	8460'	555'	Salt.
8460'	8825'	365'	Shale and salt.
8825'	8912'	87'	Anhydrite, shale and salt stringers.
8912'	9695'	783'	Salt and shale.
9695'	9800'	105'	Lime and shale.
9800'	9863'	63'	Limestone.
9863'	9912'	49'	Core No. 1 - see below.
9912'	9951'	39'	Core No. 2 - see below.
9951'	10,070'	119'	Limestone.
		10,070'	TOTAL DEPTH

Core No. 1 9863'-9912' Cut 49' Rec. 47'

25' - Lite gry, fine xln, very dense limestone, strolitic and fossiliferous.
 2' - Lite-drk gry, fine xln, limy dolomite, with some poor pin point porosity, fluorescence and cut.
 11' - Lite-drk gry, fine xln, dolomite, with pin point and some good vugular porosity, fluorescence and cut.
 7' - Lite gry limestone as above.
 2' - Lite-drk gry dolomite as above, with good vugular porosity.

(Core had no gas or bleeding or odor.)

Core No. 2 9912'-9951' Cut & Rec. 39'

2' - Lite gry dolomite, pin point porosity, fair-good.
 1' - Lite gry, fine xln, very dense limestone, slightly vugular.
 9' - Limestone as above, strolitic, fossiliferous, no vugs.
 2' - Lite gry dolomite as above.
 25' - Lite gry, fine-medium xln, very dense limestone, strolitic, fossiliferous.

(Core had no bleeding or odor.)

Halliburton DST No. 1, 3644'-3705'. Tool open 15 minutes. Opened with a good blow, died in 25 minutes. Recovered 300' of muddy salt water and 1120' of salt water. Bottom recorder pressures: IH & FH 720, 30 minute ICI 720, IF & FF 720, 30 minute FCI 720. Top recorder pressures: IH & FH 690, 30 minute ICI & FCI 690, IF 475, FF 690. Bottom hole temperature 92 degrees.

Halliburton DST No. 2, 9755'-9843'. Tool open 30 minutes with weak blow and died in 5 minutes. Attempted to pull out of hole but pipe was stuck. Unable to pull loose. Loaded inside of pipe with mud. Worked pipe loose by jarring and pulling up to 285,000 lbs. Pressures: IH 5270, 30 minute ICI 425, IF 140, FF 140, 30 minute FCI 140, FH 5270. Bottom hole temperature 148 degrees.

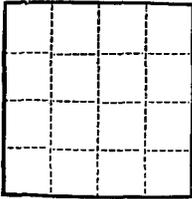
Halliburton DST No. 3, 9876'-9951'. Tool open one hour with good to medium blow of air throughout test. Recovered 6790' salt water. Pressures: IH 5720, 30 minute ICI 3235, IF 1295, FF 1315, 30 minute FCI 3210, FH 5675.

IMPORTANT MARKERS (Log Tops)

Hernosa	1604'	(plus 5149)
Paradox "A"	3483'	(plus 3370)
Paradox "B"	3683'	(plus 3069)
Salt	3832'	(plus 2921)
Base of Salt	9698'	TVD 9640' (-2887)
Mississippian	9749'	TVD 9691' (-2938)
Log TD	10,067'	TVD 10,009' (-3256')

Copy H.K.C.

0-110



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. Utah 01757
Unit Big Indian

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	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL		

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

December 6, 1962

Big Indian Unit
Well No. 2 is located 2005 ft. from N line and 1835 ft. from E line of sec. 28
SW NE Sec 28 29S 24E S. L. T. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Big Indian San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~ceiling~~ ground floor above sea level is 574 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)

Well designation changed due to unitization of Big Indian field effective July 6, 1962.

OLD DESIGNATION
Big Indian USA "B" No. 1

NEW DESIGNATION
Big Indian Unit No. 2

Dry hole-PSA 11/27/1961

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

Company The Pure Oil Company

Address P. O. Box 1338

Moab, Utah

253-3581

By L. K. Coggon
L. K. Coggon
Title District Office Manager