

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 _____ ✓
 Copy NID to Field Office _____ ✓
 Approval Letter _____ ✓
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 11-12-59
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA ✓

Location Inspected ✓
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 12-3-59
 Electric Log: (No.) ✓

E _____ I _____ E-I ✓ GR _____ GR-N _____ Micro _____
 Lat _____ Mi-L _____ Sonic _____ Others _____

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A. or
operations suspended

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

[REDACTED]

In Unit

11 - 12 59

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. SL-067671
Unit A

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	X	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)

October 2, 1959

Hatch Unit
Well No. 2 is located 660 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 800 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 6
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 6 39E 24E SLM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft. Not available

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)

This well will be drilled with rotary tools to test the Desert Creek zone of the Paradox Formation at an approximate depth of 6400'.

Approximately 40' of 16" conductor casing will be set and cemented to the surface. 10-3/4" OD surface casing will be set at a depth of approximately 400' and cemented to the surface. A 7-7/8" hole will be drilled below the 10-3/4" surface casing to total depth. The oil string will be 4 1/2" or 5 1/2" OD casing set and cemented at total depth. The completion program is uncertain at this time and specific approval will be obtained at the proper time.

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

Company BUFFALO PETROLEUM CORPORATION
Address 1500 1st National Building
Tulsa 3, Oklahoma

By B. J. Hinson
B. J. Hinson
Drilling Superintendent

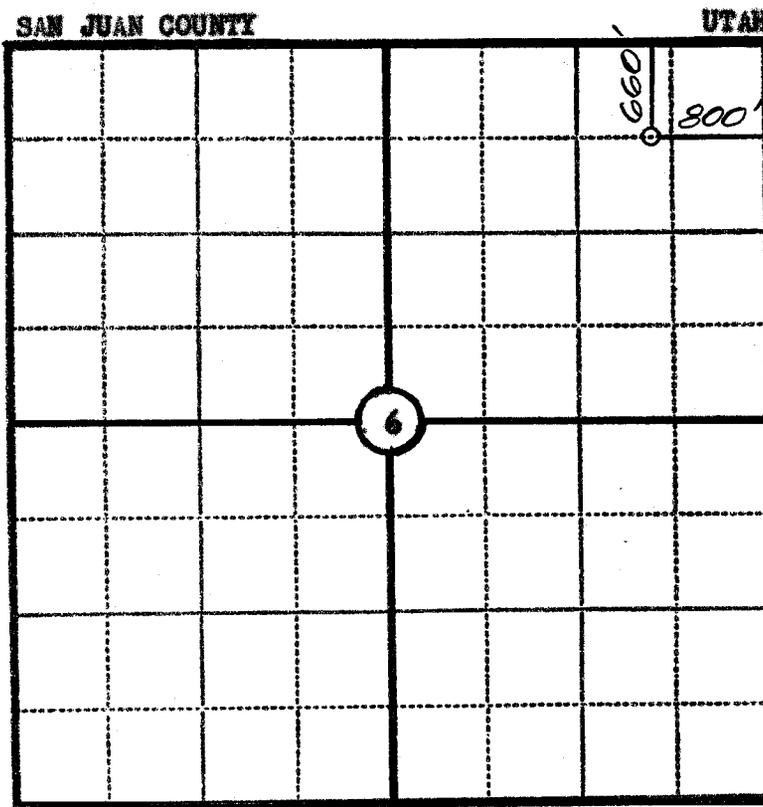
Company **BUFFALO PETROLEUM CORPORATION**

Lease **HATCH UNIT # 2** Well No.

Sec. **6**, T. **39 S.**, R. **24 E., S.L.M.**

Location **660' FROM THE NORTH LINE AND 800' FROM THE EAST LINE.**

Elevation **5183.1 UNGRADED GROUND.**



Scale—4 inches equal 1 mile

This is to certify that the above plat was prepared from field note of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

James P. Leese
Registered Land Surveyor.
James P. Leese
Utah Reg. No. 1472

Surveyed **30 September**, 19 **59**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

LAND OFFICE **Salt Lake City, Utah**
LEASE NUMBER **SL-067671**
UNIT **A**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State **UTAH** County **San Juan** Field **Wildcat (Hatch Unit)**

The following is a correct report of operations and production (including drilling and producing wells) for the month of **October**, 19**59**,

Agent's address **1500 First National Bldg.** Company **Buffalo Petroleum Corp.**

Tulsa, Oklahoma

Signed **B. J. Hinson**

Phone **LU 5-9151**

Agent's title **Drilling Supt.**

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)
<p>Buffalo Petroleum Corp.'s Hatch Unit Well No. 2 located 660' fr NL and 800' from EL Section 6-T39S-R24E, San Juan County, Utah, was spudded 12:05 A.M. October 6, 1959. 16" O.D. conductor pipe was set at 38' and cemented with 50 sx cement. Cement circulated. 10 3/4" O.D. Surface Casing was set at 432' and cemented with 250 sx cement plus 2% gel which circulated to the surface. After waiting on cement for 24 hours, the casing was tested with 800# and the pressure held satisfactorily. On October 31, 1959 a depth of 6110' had been reached, and a 7 3/4" diamond core bit was being run in the hole for Core #1 in the Ismay Zone.</p>										

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ 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 **SL-067671**
Lease No. **A**
Unit

			<input checked="" type="checkbox"/>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[Handwritten Signature]

SUNDRY NOTICES AND REPORTS ON WELLS

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

October 12, 19 59

HATCH UNIT
Well No. **2** is located **660** ft. from **[N]** ~~34~~ line and **800** ft. from **[E]** ~~34~~ line of sec. **6**
NE NE Sec. 6 **39S** **24E** **SLM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft. **Not available**

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)

Hatch Unit Well No. 2 was spudded 12:05 A.M. October 6, 1959. 16" OD conductor pipe was set at 38' and cemented with 50 sx. cement. Cement circulated. 10 3/4" OD surface casing was set at 432' and cemented with 250 sx cement plus 2% gel. which circulated to the surface. Plug was down at 4:30 A.M. October 8, 1959. After 24 hours the casing was tested with 800# and the pressure held. After drilling the plug, the well held 800# pressure indicating a successful cement job. Drilling is being resumed.

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

Company **BUFFALO PETROLEUM CORPORATION**
Address **1500 First National Building**
Tulsa, Oklahoma
By *B. J. Hinson*
Title **Dr'lg. Supt.**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5
Approval expires 12-31-60. **Utah**
LAND OFFICE **Salt Lake City,**
LEASE NUMBER **SL-067671-D**
UNIT **A**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field WILDCAT (Hatch Unit)

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

Agent's address 1500 First National Bldg. Company BUFFALO PETROLEUM CORPORATION
Tulsa, Oklahoma Signed B. J. Johnson

Phone Luther 5-9151 Agent's title Drilling Supt.

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)
<p>Buffalo Petroleum Corporation's Hatch Unit No. 2 located 660' from NL and 800' from EL Section 6-T39S-R24E, San Juan, County, Utah was drilled to a total depth of 6415' without encountering commercial shows of oil or gas. Ninecores or a total of 164' were cored in the Ismay and Desert Creek pay zones of the Paradox formation. The cored intervals were tite and dense with slight oil shows in hairline fractures.</p> <p>Four drillstem tests were taken. DST #1 and #2 failed. DST #3 6061'-6207' in the Ismay Zone recovered only 17' mud with no shows. DST #4 6170'-6415' in the Lower Ismay and Desert Creek Zones recovered 110' mud with no shows.</p> <p>Hatch Unit No. 2 was plugged and abandoned on November 12, 1959.</p> <p>There are no drilling or producing operations on the subject lease at this time, and this will be the final monthly report of operations.</p>										

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold; _____ 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.

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City,
Lease No. SL-067671 -D
Unit A

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	X		

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

November 16, 1959

HATCH UNIT

Well No. 2 is located 660 ft. from N line and 800 ft. from E line of sec. 6
NE 1/4 NE 1/4 Sec. 6 39S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5193 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)

This well was drilled to a total depth of 6415' and no commercial quantities of oil or gas were encountered. Verbal approval was obtained by phone November 11, 1959 from Mr. Jerry Long, USGS, Farmington, N. M. to plug and abandon the well with cement plugs set as follows: 50 sx 6107'-5957', 50 sx. 3410'-3260'; 50 sx 1581'-1431', 40 sx 496'-396'; 10 sx in top of 10 3/4" surface casing.

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

Company BUFFALO PETROLEUM CORPORATION
 Address 1500 First National Bldg.
Tulsa, Oklahoma
 By B. J. Harrison
 Title Drilling Supt.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City,
Lease No. SL-067671-D
Unit A

			X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

[Handwritten signature]

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.....	X
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)

November 16, 1959

HATCH UNIT

Well No. 2 is located 660 ft. from [N] line and 800 ft. from [E] line of sec. 6
[S] [W]
NE 1/4 NE 1/4 Sec. 6 39S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5193 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 drilled to 6415' TD without encountering commercial production. 10 3/4" OD casing set at 432'. In accordance with verbal approval obtained from Mr. Jerry Long, USGS, Farmington, N. M., well was plugged with cement and 9.4# mud on November 12, 1959 as follows:

- 50 sx. 6107'-5957'
- 50 sx 3410'- 3260'
- 50 sx. 1581'-1431'
- 40 sx 496'-396'
- 10 sx 10' - Surface

All cement plugs were pumped by B.J. Service and all intervals not cemented were filled with 9.4# mud. A 4" pipe marker was installed as a permanent monument. You will be notified as soon as the well site has been cleaned up and the mud pits filled.

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

Company BUFFALO PETROLEUM CORPORATION
Address 1500 First Nat'l. Bldg.
Tulsa, Oklahoma
By B. J. Minson
B. J. Minson
Title Drilling Supt.

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION

AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: --The method and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event, a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud-laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County San Juan
 Lease Name Hatch Unit Well No. 2 Sec. 6 Twp. 39S R. 24E
 Date well was plugged: November 12, 19 59.
 Was the well plugged according to regulation of the Commission: Yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole, (giving size, top and bottom elevations of each section of abandoned casing).

Casing left in hole: 16" set at 38' and 10 3/4" set at 432'
 Cement plugs as follows: 50 sx 6107'-5957' 40 sx 496'-396'
50 sx 3410'-3260' 10 sx 10'-surface
50 sx 1581'-1431'

All cement plugs were pumped by B.J.Service and all intervals not cemented were filled with 9.4# mud.

Operator BUFFALO PETROLEUM CORPORATION
 Address 1500 First National Building
Tulsa 3, Oklahoma

OKLAHOMA
 STATE OF ~~UTAH~~
 COUNTY OF Tulsa

AFFIDAVIT

Before me, the undersigned authority on this day personally appeared R. J. Hinson, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein, and that said report is true and correct.

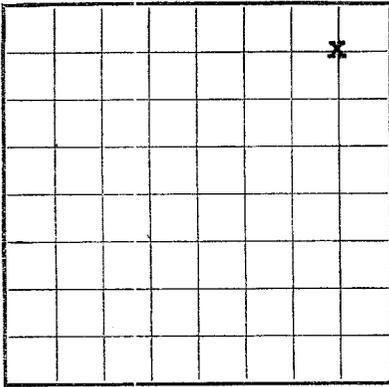
Subscribed and sworn to before me this 17th day of November, 1959.

My Commission Expires:

My Commission Expires April 17, 1962

NOTARY PUBLIC

INSTRUCTIONS: Complete this form, in duplicate, and mail both copies to the Oil & Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City 14, Utah.



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company BUFFALO PETROLEUM CORP. Address 1500 First Nat'l Bldg, Tulsa, Okla.

Lessor or Tract HATCH UNIT Field Wildcat State Utah

Well No. 2 Sec. 6 T. 39S R. 24E Meridian SLM County San Juan

Location 660 ft. [XX] of N. Line and 800 ft. [XX] of E. Line of Sec. 6 Elevation 5193
(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 B. J. Hinson

Date November 23, 1959 Title Drilling Superintendent

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

Commenced drilling October 6, 1959 Finished drilling November 11, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from NONE to 30' 200' No. 4, from 20' 200' to 20'

No. 2, from 30' 200' to 30' 200' No. 5, from 30' 200' to 30' 200'

No. 3, from 30' 200' to 30' 200' No. 6, from 30' 200' to 30' 200'

IMPORTANT WATER SANDS

No. 1, from NONE to 30' 200' No. 3, from 30' 200' to 30' 200'

No. 2, from 30' 200' to 30' 200' No. 4, from 30' 200' to 30' 200'

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"	32.75	# 8rd	Asmeo	26	None	None	None	None	Conductor
10 3/4"	32.75	# 8rd	Lone	420'	Guide	None	None	None	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	38	50	Pump	-	-
10 3/4"	432	250	Pump	-	-

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

FOLD MA

10 3/4" 432 250 Pump

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	None					

TOOLS USED

Rotary tools were used from Surface feet to 6415 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Dry Hole 11-12-59, 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

Sage Drilling Company, Driller _____, Driller _____
San Angelo, Texas, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	432		Sand & Shale
432	945		Sand & shaley sand
945	1089		Sand
1089	3161		Sand & shaley sand
3161	3459		Shale & sandy lime
3459	4039		Sand & Shale
4039	4354		Sand, shale & Lime
4354	5416		Sandy shale
5416	5951		Sandy lime & chert
5951	6415		Lime, shale & anhydrite
3380	3530		
3530	3630		
3630	3730		
3730	3830		
3830	3930		
3930	4030		
4030	4130		
4130	4230		
4230	4330		
4330	4430		
4430	4530		
4530	4630		
4630	4730		
4730	4830		
4830	4930		
4930	5030		
5030	5130		
5130	5230		
5230	5330		
5330	5430		
5430	5530		
5530	5630		
5630	5730		
5730	5830		
5830	5930		
5930	6030		
6030	6130		
6130	6230		
6230	6330		
6330	6430		
6430	6530		
6530	6630		
6630	6730		
6730	6830		
6830	6930		
6930	7030		
7030	7130		
7130	7230		
7230	7330		
7330	7430		
7430	7530		
7530	7630		
7630	7730		
7730	7830		
7830	7930		
7930	8030		
8030	8130		
8130	8230		
8230	8330		
8330	8430		
8430	8530		
8530	8630		
8630	8730		
8730	8830		
8830	8930		
8930	9030		
9030	9130		
9130	9230		
9230	9330		
9330	9430		
9430	9530		
9530	9630		
9630	9730		
9730	9830		
9830	9930		
9930	10030		

(OVER)
FORMATION RECORD—CONTINUED

16-43094-4

DEC 3 1959

DEC 8 1928

FORMATION RECORD—Continued

10-42004-4

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION TOPS - (from Electric Log)			
Entrada	1160'		DeChelly 3430'
Navajo	1510'		Organ Rock 3500'
Kayenta	2005'		Hermosa 5065'
Wingate	2120'		Ismay 6036'
Chinle	2380'		Desert Creek 6265'
Moenkopi	3230'		Akah 6373'
Cutler	3320'		Salt 6413'

FROM—	TO—	TOTAL FEET	FORMATION												
FORMATION RECORD															
<p>Rock pressure, lbs. per sq. in. -----</p> <p>Pressure gauge for 1000 cu. ft. of gas -----</p> <p>Quality of gas -----</p> <p>Part to production -----</p>															
VALUES															
<p>Core logs were used from ----- feet to ----- feet and from ----- feet to ----- feet</p> <p>Bottom logs were used from ----- feet to ----- feet and from ----- feet to ----- feet</p>															
LOGS USED															
<table border="1"> <thead> <tr> <th>LOG</th> <th>DATE</th> <th>DEPTH</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				LOG	DATE	DEPTH	REMARKS								
LOG	DATE	DEPTH	REMARKS												

FROM—	TO—	TOTAL FEET	FORMATION												
SHOOTING RECORD															
<p>Adapters -----</p> <p>Weights -----</p>															
PISTOLS AND VALVES															
<table border="1"> <thead> <tr> <th>PISTOL</th> <th>VALVE</th> <th>DATE</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				PISTOL	VALVE	DATE	REMARKS								
PISTOL	VALVE	DATE	REMARKS												

FORM 100

Buffalo Petroleum Corp.
#2 Hatch - San Juan
County, Utah

DEC 3 1959

CORE #1 REPORT 6110-6136' (36') 100% Rec. Pulled 1 A.M., Nov. 1, 1959

Formation - Ismay zone of Paradox

6110- 24 Anhydrite, nearly pure, clear to faint brown - amber spots
No show
6124- 26 Anhydrite, with dark gray argill dolo inclusions
6126- 32 Shaly dolomite and dolomitic shale - black to earth brown,
calcareous in part, micaceous, slight odor on fresh break.
6132- 33 Anhy and shaly dolomite, intercolated
6133- 36 Lime - gry, dense, with black shale streaks, very hard.

SUMMARY - 16' anhy, 7' shale and dolomite, 3' dense lime and black
shale streaks. No show, tite throughout, no fractures,
no discernable dip.

CORE #2 REPORT 6136-6173 (37') Rec. 22½ feet, Pulled 9 A.M., Nov. 2, 1959

Formation - Ismay zone

6136-6151 Lime, gry-brn, dnse to argill, very hard, slight odor/frsh brk
6151-6159 Lm. drk gry, dnse with shaly streaks, crinoidal to semi-reefoid,
fractured, good odor. Lower 2 feet with ylo-green salty oil
filled fractures (vertical). No crystalline porosity apparent.

SUMMARY - Cored 37', rec 22½', all dnse limestone, lower half fossilifer-
ous, oil filled vertical fractures in bottom 2'. No apparent
porosity, except fracture controlled.

CORE #3 REPORT 6174-6195 (21') Rec. 17', Pulled 1:30 P.M., Nov. 3, 1959

Formation- Ismay zone

6174- 76 Sh: blk, calc, suetty, fslfrs
6176- 80 Lime: drk gry, dnse, with silicified or cherty streaks.
6180- 82 Lm: gry, dnse, hrd, sli odor/frsh brk
6182- 84 Lm: drk gry, argill, dnse, with thin cs xln dolomitized strks.
Spot bleeding in tite prtgs (horizontl).
6184- 85 Lm: dnse as abv with anhy inclusions
6185- 91 Anhydrite, nrly pure.

SUMMARY - Cored 21', rec. 17' lost 4' at base. 2' blk sh, 9' dnse lm.,
silicified in top and spot bleeding in tite prtgs in lower
part, 6' anhy.

DST #1 6027-6207 (PTD) Failed by packer failure @ 3:30 P.M. Nov. 4th
Intend DST #2 6052-6207' @ daylight Nov. 5th.

CORE #4 REPORT 6206-6209, (3') 3' rec. Pulled 9:30 P.M. Nov. 5, 1959
Pulled because barrel jammed. Rate - 30 min/ft.

Formation - Basal Ismay

6206- 07 Lm: dnse, argill, vry hrd, vertical stylolites
6207- 08 Sh: with lime streaks, blk suetty, vry hard
6208- 09 Dolo: brn, erthy, sli calc, vry hrd, fractures concoidally,
No shows.

CORE #5 REPORT 6263-6279' (16') Rec. 12½'. Pulled 6 A.M., Nov. 7th, 1959

Formation - Desert Creek

6263-65 Sh. blk, brittle, sli calc, grading to blk erthy lm.
6265- 70 Lm.- gry, dnse, sli micac, sli oil spotting, tite.
6270- 72½ As abv, grading to argillac lm at base.
6272½- 75 Lm.-brn dnse, to erthy, with oil filled sh prtgs-bleeding, no
other porosity.
6275- 75½ Anhydrite- pure, frctrd
(lost 3'', that to be frctrd anhydrite)

CORE #6 REPORT 6279-6301' (22') Rec. 18' Pulled 12:10 A.M. Nov. 8, 1959

Formation - Desert Creek

6279- 95 Anhydrite - pure, sli odor at base.
6295- 98 Lime- gry-brn, dnse, tite, sli odor, no other show.
(lost 3' at base)

CORE #7 REPORT 6301-6310 (9') Rec. 7½' Pulled 11 A.M. Nov. 8, 1959

Formation - Desert Creek

6301- 05 Lm. - gry, dnse, crinoidal w/blk suetty strks
6305-0 07 Lm. - erthy to dnse, w/anhy incl.
6307- 09 Anhy & blk calc sh., intercolated
(lost 1½' at base)

CORE #8 REPORT 6310-6318 (8') Rec. 8'. Pulled 9: P.M. Nov. 8th

Formation - Desert Creek

6310- 15 Interfingered dnse lm and anhydrite. Dense, no sho
6315- 18 Anhy w/dolomite incl.

CORE #9 REPORT 6318-6340' (22') Rec. 22' Pulled 1 P.M. Nov. 9, 1959
Finished coring Desert Creek Carbonate zone

6318- 20 Lm. - brn-gry dnse, argill, micac w/shly prtgs, 1" anhydrite
at top.
6320- 25 Lm. drk gry, dnse, fsl xls, (calc), stylolitic.
6325- 30 Lm.- tan-erthy, sli vugginess, SW spotting in middle.
6330- 35 as above., fl. calc. xls, sli vugginess, stylolite.
6335- 40 as above, becoming shly at very base. No connected vugs.