

FILE NOTATIONS

Entered in NID File ✓
 Entered On S R Sheet ✓
 Location Map Planned ✓
 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 9-30-59 Location Inspected ✓
 CW _____ WW _____ FA _____
 SW _____ OS _____ FA ✓ State of Fee Land _____

LOSS FILED

Dollar's Log 10-16-59
 Electric Log (No. 2)
 F ✓ GR _____ GR-N ✓ Micro _____
 Lat _____ Mid _____ Sect _____ Others _____

Scout Report sent out



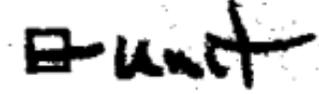
Noted in the NID File



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A. or operations suspended

10 - -59 UOR

Pin changed on location map



~~Attest~~ and Record of A & P



Water Shut-Off Test

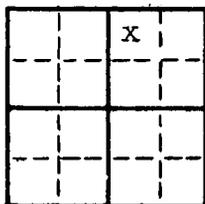


Gas-Oil Ratio Test



Well Log Filed





STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Fee and Patented.....
State
Lease No.
Public Domain
Lease No. SL-067668
Indian
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

August 7, 1959, 19

Hatch Unit
Well No. 1 is located 660 ft. from {N} line and 1875 ft. from {E} line of Sec. 21
NW/4 NE/4 Sec. 21 38S 24E SLBM
(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 feet. Not available

A drilling and plugging bond has been filed with Bureau of Land Management, Dept. of Interior
Salt Lake City, Utah
DETAILS OF WORK

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

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 950' and cemented to the surface. An 8-3/4" hole will be drilled below the 10-3/4" surface casing to total depth. The oil string will be 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 Commission before operations may be commenced.

Company.....BUFFALO PETROLEUM CORPORATION.....
Address.....1500 First National Bldg. By.....*B. J. Hinson*
.....Tulsa 3, Oklahoma..... Title.....B. J. Hinson
Petroleum Engineer

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

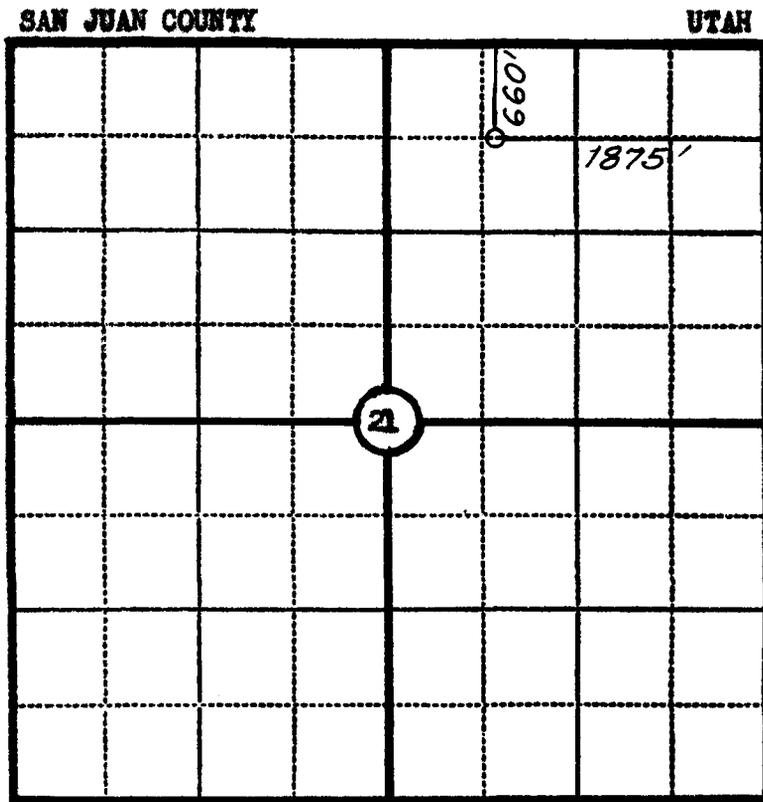
Company **BUFFALO PETROLEUM CORPORATION**

Lease **HATCH UNIT** Well No. **1**

Sec. **21**, T. **36 S.**, R. **24 E.**, S.L.M.

Location **660' FROM THE NORTH LINE AND 1875' FROM THE EAST LINE.**

Elevation **5351.5 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 **4 August**, 19**59**

BUFFALO PETROLEUM CORPORATION

FIRST NATIONAL BUILDING

TULSA 3, OKLAHOMA

August 11, 1959

Oil and Gas Conservation Commission
State of Utah
State Capitol Building
Salt Lake City 14, Utah

Gentlemen:

Please find attached two copies of Form OGCC-1, Notice of Intention to Drill Buffalo Petroleum Corporation's Hatch Unit No. 1, located 660 feet from North Line and 1875 feet from East Line of Section 21-38S-24E, Jan Juan County, Utah,

We expect to commence operations on the above well in the immediate future and your early approval of the attached form will be appreciated.

Yours very truly,

BUFFALO PETROLEUM CORPORATION



B. J. Hinson

Encl.

August 13, 1959

Buffalo Petroleum Corporation
1500 First National Building
Tulsa 3, Oklahoma

Attention: B. J. Minson,
Petroleum Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Hatch Unit 1, which is to be located 660 feet from the north line and 1875 feet from the east line of Section 21, Township 38 South, Range 24 East, S1EM, San Juan County, Utah.

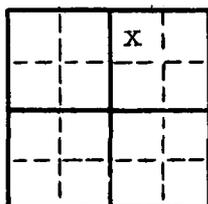
Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
EXECUTIVE SECRETARY

CBF:co



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Fee and Patented.....
 State.....
 Lease No.
 Public Domain.....
 Lease No. SL-067668
 Indian.....
 Lease No. *[Signature]*

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	X
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....	
Notice of Intention to Abandon Well.....		

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

August 31, 19 59

Hatch Unit
 Well No. 1 is located 660 ft. from {N} line and 1875 ft. from {E} line of Sec. 21
 NW 1/4 NE 1/4 Sec. 21 38 South 24 East SLBM
(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 5371 feet.

A drilling and plugging bond has been filed with Bureau of Land Management

DETAILS OF WORK

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

On August 21, 1959, set 10-3/4" OD 32.75# H-40 surface casing at 1009' and cemented with 450 sacks 6% gel cement followed by 100 sacks neat cement. Circulated out about 150 sacks. Plug down 2:10 P.M. Total depth was 1014'. After waiting on cement 24 hours, casing was tested with 600# before and after drilling plug and tests were OK. Drilling has been resumed.

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

Company Buffalo Petroleum Corporation
 Address 1500 First National Bldg. By B. J. Hinson
 Tulsa 3, Oklahoma Title Drilling Supt.

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

26

	X

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Fee and Patented.....
State.....
Lease No.
Public Domain.....
Lease No. SL-067668
Indian.....
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	X
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
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Notice of Intention to Abandon Well.....		

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

..... August 31, 19 59..

Hatch Unit
Well No. 1 is located 660 ft. from {N} line and 1875 ft. from {E} line of Sec. 21
NW 1/4 NE 1/4 Sec. 21 38 South 24 East SLBM
(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 5371 feet.

A drilling and plugging bond has been filed with Bureau of Land Management

DETAILS OF WORK

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

Well spudded August 16, 1959. Set 16" Spiral Well Armco conductor casing at 40' and cemented with 50 sacks neat cement plus 2% CaCl cement circulated. Plug down at 10:00 AM, August 17, 1959. Drilling was resumed after waiting on cement 12 hours.

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

Company Buffalo Petroleum Corporation
Address 1500 First National Building By B. J. Hinson
Tulsa 3, Oklahoma Title Drilling Supt.

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

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
 LEASE NUMBER SL-067668-C
 UNIT B

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 August, 1959,

Agent's address 1500 First Nat'l. Bldg. Tulsa, Oklahoma Company Buffalo Petroleum Corp.

Signed B. J. Hinson

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

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)
<p>Hatch Unit Well No. 1 located 660' from NL and 1875' from EL Section 21, T38S-R24E, San Juan County, Utah, was spudded at 8:00 P.M. August 16, 1959. 16" Conductor was set at 40' and cemented with 50sx. 10 3/4" OD surface casing was set at 1009' and cemented with 550 sx. cement. The cement circulated. The well is now drilling at 3012' in sandy shale.</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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R3564
Approval expires 12-31-60. **Utah**
LAND OFFICE **Salt Lake City**
LEASE NUMBER **SL-067668-C**
UNIT **B**

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 **August**, 19**59**,

Agent's address **1500 First Nat'l. Bldg. Tulsa, Oklahoma** Company **Buffalo Petroleum Corp.**

Phone **LUTHER 5-9151** Signed **B. J. Hinson** Agent's title **Drilling Supt.**

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)
<p>Hatch Unit Well No. 1 located 660' from NL and 1875' from EL Section 21, T38S-R24E, San Juan County, Utah, was spudded at 8:00 P.M. August 16, 1959. 16" Conductor was set at 40' and cemented with 50sx. 10 3/4" OD surface casing was set at 1009' and cemented with 550 sx. cement. The cement circulated. The well is now drilling at 3012' in sandy shale.</p>										

00000 1 100

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R3565
Approval expires 12-31-60. **UTAH**
LAND OFFICE **Salt Lake City,**
LEASE NUMBER **SL -067668-C**
UNIT **B**

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**, 19**59**,
Agent's address **1500 First National Bldg.** Company **Buffalo Petroleum Corp.**
Tulsa, Oklahoma Signed *B. J. Hinson*
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>Hatch Unit Well No. 1 located 660' from NL and 1875' from EL Section 21, T38S-R24E, San Juan County, Utah, was drilled to a total depth of 6313' without encountering oil or gas in commercial quantities.</p> <p>Seven cores were taken with an accumulated 283' of core in two intervals, Ismay Zone 5970'-6157' and Desert Creek Zone 6175'-6272'. In general the cores showed fair oil content with discouragingly low permeabilities and porosities throughout. DST #1 from 6184' - 6271' in the Desert Creek Zone recovered only mud with no shows.</p> <p>Hatch Unit No. 1 was plugged and abandoned on September 30, 1959.</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 8th of the succeeding month, unless otherwise directed by the supervisor.

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. 1 Sec. 21 Twp. 38S R. 24E

Date well was plugged: September 30, 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 - 10 3/4" set at 1009' 16" set at 40'

Cement plugs as follows: 60 sx - 5900'-6050'	40 sx 1200'-1300'
40 sx - 2950-3050'	40 sx 950'-1050'
60 sx - 1650'-1800'	10 sx 0'- 15'

All cement plugs were pumped by B.J. Service and all intervals not cemented were filled with 9.5# mud.

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

OKLAHOMA

AFFIDAVIT

STATE OF ~~UTAH~~

COUNTY OF TULSA

Before me, the undersigned authority on this day personally appeared B. 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 13th day of October, 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE **Muskogee, Oklahoma City, U1**
LEASE NUMBER **SL-067668-C ah**
UNIT **B**

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

Phone **LU 5-9151** Signed **B. J. Winson**
Agent's title **Drilling Supt.**

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)
<p>Hatch Unit Well No. 1 located 660' fr NL and 1875' from EL Section 21, T38S-R24E, San Juan County, Utah was drilled to a total depth of 6313' and plugged and abandoned on September 30, 1959 as reported in the September Monthly Report.</p> <p>There are no drilling or producing operations on the subject lease, and this will be the final monthly report.</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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE **Salt Lake City, UT**
LEASE NUMBER **SL-067668-C** ah
UNIT **B**

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
Tulsa, Oklahoma** Company **Buffalo Petroleum Corp.**

Phone **LU 5-9151** Signed **B. Wilson**
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)
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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.

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

CORE #1 REPORT 5970-6021' (51') 100% Recovery Pulled 3:30 AM 21 Sept, 1959

5970-5972 Shale, Black very calc, xln in part
5972- 77 Anhydrite, pure white to black (IZMAY TOP)
5977- 82 " with grey-brown dense lm streaks
5982- 87 Limestone, with cs anhydrite xls, streaks black shale
5987- 90 " drk grey, argill, micac, with anhy strks
5990- 95 Same as abv
5995-6000 Dolomite, powder grey, fine xln, with anhy atrks
6000- 05 " , drk gry, dns, argill
6005- 10 " , anhydritic
6010- 15 " , gry, dnse
6015- 21 Anhydrite, almost pure

CORE #2 REPORT 6021-6072' (51') 100% Recovery Pulled 1:00 AM 22 Sept, 1959

6021-6055 (31) Anhydrite, clear to partly lt tan
6055- 57½ (2½) Anhydrite, dolomitic, sli odor, stain, and frac, no perm
6057½- 60 (2½) Shale, blk, dnse, micac, xln, in part, intbb shly brn dolo
fair odor, sli spotty fluor
6060- 63 (3) Shale, mouse grey, dolomitic, good odor, sli spotty fluor,
minor horizontal and vert fracs
6063- 66 (3) Shaly dolomite, as above, vry tite, bleeding few gas/oil
spots, anhy strks
6066- 68 (2) Lm, blk to brn, dnse, argill to dolmtc, sli odor
6068- 72 (4) Lm, drk brn, dnse

CORE #3 REPORT 6072-6123' (51') 100% Recovery Pulled 4:30 PM 22 Sept, 1959

6072-6075 Lm, drk grey, dense
6075- 80 Lm, drk gry w/oil staining in hairline frac, fluor in fracs
only, no porosity. Minor spot bleeding oil.
6080- 85 Shale, blk, suety, stain in fracs as above (middle Ismay SH)
6085- 88 Lm, gry, brn dnse, gas odor no stain, w/thin blksh strks sli
bleeding along closed fractures in sh
6088- 90 Lm as above, no porosity
6090- 97 Lm, as above, weak spotty fluor in closed fracs
6097-6123 Anhydrite, mostly clear, to vry lite amber spots.

CORE #4 REPORT 6123-6157' (34') 100% Recovery Pulled 11 PM 23 Sept, 1959

6123-6127 Anhydrite, clear to vry lt tan
6127- 30 Anhydrite, gry, fairly pure
6130- 33 Dolomite, brn-gry, vry shly, numerous anhydrite incl, sli odor
minor vert fracs, no porosity.
6133- 37 Shale, brn-grey, dolmtc, vry tite
6137- 40 Shale, blk, calc, micac, prtly xln
6140- 46 Lm, brn-gry, dnse, no sendry xlnity, vry fslfrs, minor blk
shale streaks and anhy incl, sli odor, spotty fluor and
spot bleeding in closed hor fracs.
6146- 50 Shale, blk, suetty, calc, hor fracs, prtly calcite filled.
(U.DSRT CRK)
6150- 57 Shale, blk.....

CORE #5 REPORT 6175-6226' (51') 100% Recovery, pulled 7:30 AM, 26 Sept, 1959

6175-6177½ Sh, blk suetty, sli calc
6177½- 80 Dolo, gry fxln-dns, calc (DESERT CREEK ZONE TOP)
6180- 85 Lm, " " , dolmtc
6185- 88 Sh, gry-brn, earthy, calc, minor oil spot bldg, vry tite
6188- 96 Anhydrite, clear to brn w/drkc calc sh prtgs
6196-6200 Anhydrite, gry vitreous
6200- 03 Sh, blk-brn, dlmtc, earthy, sli micac, gd odor, anhy strks
6203- 05 Dolo, gry, vry argill, sw & oil bldg in tite fracs, fslfrs, tite
6205- 10 Sh, gry-brn, dlmtc, sli micac, blk sh prtgs, minor oil/sw bldg
6210- 13 Lm, gry-brn, dlmtc, dns, fslfrs, fair oil bldg in rehealed fracs
6213- 14 Sh, vry dlmtc, sli micac, shos as abv, good odor
6214- 15 Sh and anhy, intersprd, tite
6215- 18 Dolo, gry-dns, sli micac
6218- 26 " " " , anhydritic

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

CORE #6 REPORT 6226-6251' (25') 100% Recovery, Pulled 6:30 PM, 26 Sept, 1959
For New Core Hd

6226-6230 Anhy, Dolomitic
6230- 33 Dolo, anhtdic
6233- 35 Lm, gry-brn, dns to argil, spot oil bldg, fair-odor & fluor
6235- 39 " same w/occasional vugginess
6239- 41 Sh, brn, earthy to xln, stained as abv
6241- 51 Lm, brn-gry, earthy, sli staining as abv, vry fslfrs, wk fracs
along fsl planes, spotty bldg, tite. (PRODUCING ZN, 1 Mi E)

CORE #7 REPORT 6251-6272' (21') 100% Recovery, Pulled 8:AM 27 Sept, 1959

6251-6272 All blk suetty fslfrs SHALE, trc xlninity at vry top, calc.

Note - This shale top marks Base of Desert Creek Zn at 6251. It came in
15' higher than anticipated.

		0	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **SALT LAKE CITY**
SL-067668-C
Lease No. _____
Unit **B**

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

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

October 12, 1959

Hatch Unit
Well No. **1** is located **660** ft. from **N** line and **1875** ft. from **E** line of sec. **21**
NW NE Sec. 21 **38S** **24E** **S1M**
(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 **5371** 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)

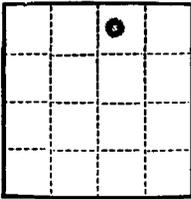
No commercial quantities of oil or gas were encountered in any zone after drilling to a total depth of 6313'. Verbal approval was obtained by phone September 29, 1959 from Mr. McGrath, USGS, Farmington H. H. to plug and abandon the well with cement plugs set as follows: 5900'-6050'; 2950'-3050'; 1650'-1800'; 1200'-1300'; 950'-1050'; 0-15'

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 **Drilling Supt.**

(SUBMIT IN TRIPLICATE)

Land Office **SALT LAKE CITY**
Lease No. **SL-067668-C**
Unit **B**



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.....	
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NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 12, 1959

HATCH UNIT
Well No. **1** is located **660** ft. from **[N]** line and **1875** ft. from **[E]** line of sec. **21**
NW NE Sec. 21 **38S** **24E** **S1M**
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildest **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5371** 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 TD of 6313' and no commercial quantities of oil or gas encountered. 10 3/4" casing set at 1009'. In accordance with verbal approval obtained by phone from Mr. McGrath, USGS, Farmington, N. M., well was plugged with cement and 9.5# mud on Sept. 30, 1959 as follows:

60 sx cement	5900'-6050'	40sx cement	1200'-1300'
40 sx cement	2950'-3050'	40 sx cement	950'-1050'
60 sx cement	1650'- 1800'	10 sx cement	0'- 15'

All cement plugs were pumped by B.J. Service and all intervals not cemented were filled with 9.5# 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 National Building**

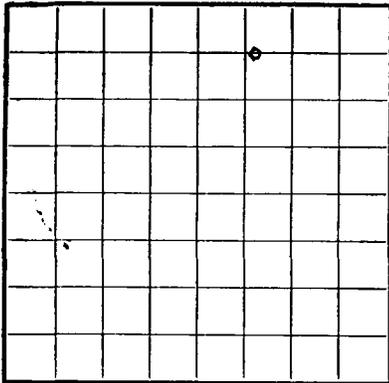
Tulsa, Oklahoma

By **B. J. Hanson**

Title **Dri'g. Supt.**

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

State Capitol Building
Salt Lake City 14, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company BUFFALO PETROLEUM CORP Address 1500 First National Bldg, Tulsa, Okla.
 Lease or Tract: Hatch Unit Field Wildcat State Utah
 Well No. 1 Sec. 21 T. 38S R. 24E Meridian SLM County San Juan
 Location 660 ft. XX of N Line and 1875 ft. XX of E Line of Sec. 21 Elevation 5371'
(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
Title Drilling Supt.

Date October 12, 1999

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

Commenced drilling August 16, 1959 Finished drilling September 29, 1959

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"	-	Weld	Armco	28'	Plain	None	None		Conductor
10 3/4"	32.75	8rd	Lone Star	997'	Float	None	None		Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	40'	50	Pump	-	-
10 3/4"	1009'	550	Pump	-	-

PLUGS AND ADAPTERS

D | MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
 Adapters—Material Size

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from Surface feet to 6313 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, 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	50		Sand
50	725		Sand & Shale
725	1003		Sand, clay & Lime
1003	2075		Sand & Shale
2075	3285		Red Shale & Sand
3285	3319		Sand
3319	4964		Sand & Shale
4964	5067		Lime & Chert
5067	5528		Lime & Sand
5528	5882		Lime & Shale
5882	5970		Lime & Chert
5970	6019		Shale and Anhydrite
6019	6072		Shale, dolomite & Lime
6072	6123		Shale & Lime
6123	6175		Shale
6175	6313		Shale & Lime

[OVER]

5961 9 100
 OCT 1955

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
		<u>FORMATION TOPS</u>	<u>(Electric Log)</u>
			Carmel 1200'
			Navaho 1240'
			Kayenta 1675'
			Wingate 1775'
			Chinle 2220'
			Shinarump 2882'
			Cutler 3010'
			DeChelly 3140'
			Organ Rock 3200'
			Hermosa 4968'
			Ismay 5970'
			Desert Creek 6184'
			Salt 6311'

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HISTORY OF OIL OR GAS WELL

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

*DRILL STEM TEST #1 6184-6271 Slight blow air decreasing to very weak blow at end. Tool open 2 hours, SI 30 min. Recovered 375' mud (Mud from packer leak first 5 min. of test. Flowing
BHP 105 - 210#
SI BHP - 300#
Hyd BHP - 3600

CORE DATA - See Attachment

BUFFALO PETROLEUM CORPORATION

FIRST NATIONAL BUILDING

TULSA 3, OKLAHOMA

December 14, 1959

Oil and Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City, Utah

Attention: Mr. C. B. Feight, Executive Secretary

Gentlemen:

Enclosed please find copies of all electric logs run on the following wells:

Hatch Unit #1, located in Section 21-38S-24E
San Juan County, Utah

Hatch Unit #2, located in Section 6-39S-24E,
San Juan County, Utah.

Yours very truly,

BUFFALO PETROLEUM CORPORATION



B. J. Hinson,
Engineer

BJH:lh
Enclosures