

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

A & P and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land \_\_\_\_\_

Checked by Chief \_\_\_\_\_

Copy NID to Field Office \_\_\_\_\_

Approval Letter

Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

Date Well Completed 11-17-58

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_

State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 3-30-59

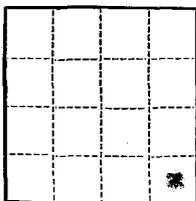
Electric Logs (No. ) \_\_\_\_\_

E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lease No. 3-016219  
Unit Six Feet

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 15, 1958, 19

Well No. 1 is located 160 ft. from N line and 310 ft. from E line of sec. 24  
SE/4 Section 24 39 South 13 East 6th  
(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 5300 ft. Ground Elevation 5797 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)

Pan American Petroleum Corporation proposes to drill a well at the above location to a total depth of 3500'. 150' of 13-3/8" 48# H-40 surface casing will be set and cemented with approximately 200 sacks of regular cement. 1200' of 9-1/8" 36# H-40 intermediate casing will be run and cemented with approximately 100 sacks regular cement. If commercial production is obtained, 5 1/2" 14# J-55 casing will be run from total depth to surface and cemented with approximately 150 sacks of cement. The estimated depths to the top of important markers are: Hermosa 4470', Upper Paradox 4690', Paradox "B" Zone 4790', Paradox "C" Zone 4930', Middle Paradox 5230', Lower Paradox 5500'. Well will be cased upon encountering permeability or shows. Anticipate approximately 50' of casing in the "B" Zone, 50' in the "C" zone, 100' in the middle zone and 25' in the lower zone of the Paradox formation. A drill stem test will be taken of all zones of interest indicated by samples, cores, logs and gas detector. An electric log will be run from  
(SEE REVERSE SIDE)

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

Company Pan American Petroleum Corporation

Address P. O. Box 458, Brush, Colorado

By [Signature]  
E. S. Slavina  
Title Production Foreman

COMPANY Pan American Petroleum Corporation

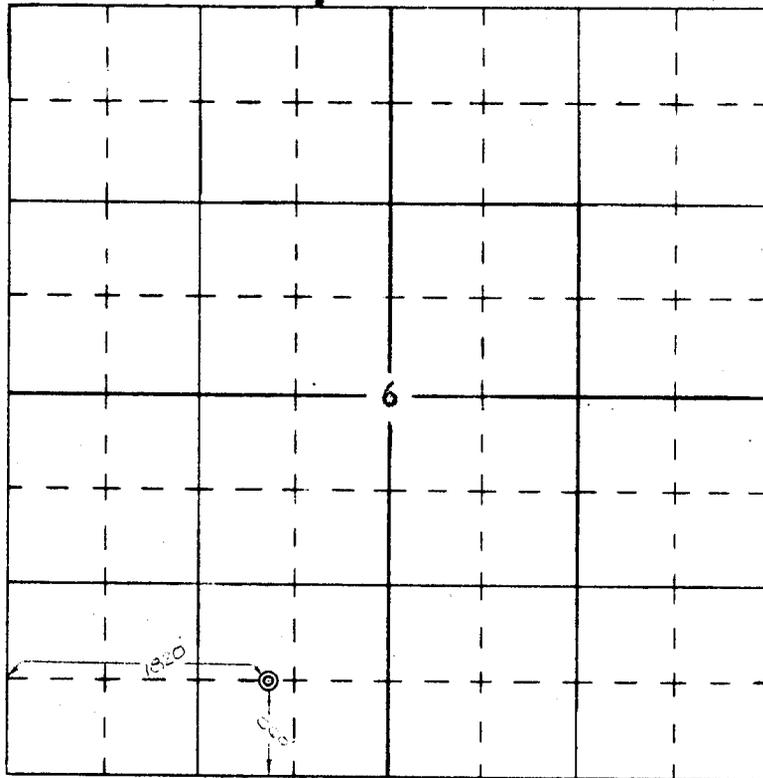
Well Name & No. \_\_\_\_\_ Lease No. \_\_\_\_\_

Location 660' from the South line and 1820' from the West line

Being in SE 1/4 SW 1/4

Sec. 6, T3 S., R20 E., S.L.M., ~~San Juan~~, San Juan County, Utah

Ground Elevation \_\_\_\_\_



RECEIVED  
AUG 21 1958  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

Scale -- 4 inches equals 1 mile

Surveyed July 31, 19 58

This is to certify that the above plat was prepared from field notes 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.



Ernest V. Echohawk  
Farmington, New Mexico

Ernest V. Echohawk  
Registered Land Surveyor  
N. M. Reg. #1545

Practicing in Utah under Laws  
regulating Professional Engrs.  
and Land Surveyors, Utah Code 1953,  
Title 58-10-16

W



September 15, 1958

Pan American Petroleum  
P. O. Box 458  
Brush, Colorado

Attention: Field Clerk

Re: Well No. Osterhoudt 1, SW SE  
Sec. 24, Twp. 39 South, Rge. 13  
East, SLBM, San Juan County, Utah

Gentlemen:

This is to acknowledge receipt of your "Form 9-329 - Lessee's  
Monthly Report of Operations for the month of August" on the  
above mentioned well.

Please be advised that as of yet we have not received a notice  
of intention to drill said well.

You are hereby requested to file a notice of intention to drill  
and have the same approved by this office prior to spudding in.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:co

~~cc: Ph~~

September 18, 1958

Pan American Petroleum  
P. O. Box 458  
Brush, Colorado

Attention: Production Foreman

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Federal 1, which is to be located 660 feet from the south line and 510 feet from the east line of Section 24, Township 39 South, Range 13 East, S12E, San Juan County, Utah.

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

However, said approval is conditional upon a plat being submitted in accordance with Rule C-4, General Rules & Regulations and Rules of Practice and Procedure, Oil & Gas Conservation Commission, State of Utah.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:co

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

# PAN AMERICAN PETROLEUM CORPORATION

Brush, Colorado

September 23, 1958

File: GAW-1286-WF

Subject: Location Plats -  
Big Foot Well No. 1  
Navajo 161 Well No. 1

71-K  
10-1

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

Attention: Mr. Cleon B. Feight  
Secretary

Gentlemen:

In accordance with your letters of September 18, 1958, we are attaching hereto plats on our Big Foot Well No. 1 located 660 feet from the South line and 510 feet from the east line of Section 24, Township 39 South, Range 13 East, SLBM, San Juan County, Utah, and our Navajo Tract 161-1 located 660 feet from the South line and 1820 feet from the West line of Section 6, Township 43 South, Range 20 East, SLBM, San Juan County, Utah.

Yours very truly,

G. A. WILSON

BY: RB Blewitt

KAH:mb  
Attachments

T39S-R13E

T39S-R14E

24

19

U.S.A.  
U. 016853  
PAN AM.

U.S.A.  
U. 016848  
PAN AM.



18

18

25

30

LOCATION PLAT  
**BIG FOOT AREA**  
SECTION 24, T39S-R13E, SLM  
SAN JUAN COUNTY, UTAH  
SCALE: 1"=2000'



*C. N. Hoalford*  
Civil Engineer  
Pan American Petroleum Corp.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

LAND OFFICE Salt Lake  
LEASE NUMBER U-016858  
UNIT U.S.A. Osterhoudt

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Big Foot

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

Agent's address P.O. Box 458, Brush, Colorado Company Pan American Petroleum Corporation

Signed [Signature]

Phone Victor 2-2893 Agent's title Field 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)
SW SE 24	39S	13E	1							WOC x Connecting BOP x air equipment

O-1: USGS  
CC: HSS  
CC: OGCC - Utah  
CC: File

NOTE.—There were No runs or sales of oil; No 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.

W/  
Form 9-329  
(January 1950)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake  
LEASE NUMBER U-016858  
UNIT U.S.A. - Osterhoudt

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Big Foot

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

Agent's address P.O. Box 458, Brush, Colorado Company Pan American Petroleum Corporation

Signed [Signature]

Phone Victor 2-2893 Agent's title Field 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)
SW SE 24	39S	13E	1							TD 3901 Silt stone

0-1: USGS  
CC: HSS  
CC: OGCC - Utah  
CC: FILE

NOTE.—There were no runs or sales of oil; reported by Casper office 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  
LEASE NUMBER U-016858  
UNIT U.S.A. - Osterhoudt

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Big Foot

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

Agent's address P. O. Box 458, Brush, Colorado Company Pan American Petroleum Corporation

Signed [Signature]

Phone Victor 2-2893 Agent's title Field 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)
SW SE 24	39S	13E	1							TD 5231 - Well PXA 11-16-58

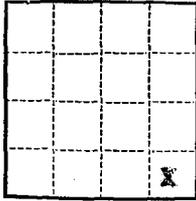
0-1: USGS-Roswell, N.M.  
CC: HSS  
CC? OGCC-Utah  
CC: File

NOTE.—There were 0 runs or sales of oil; 0 M cu. ft. of gas sold; 0 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 Farmington, New Mexico  
Lease No. U-016859  
Unit USA-Walter J. Osterhoudt



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.....	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)

December 4, 1958

Well No. 1 is located 660 ft. from DN line and 510 ft. from EW line of sec. 24

SE/Section 24 39 South 13 East 6th  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drill floor~~ <sup>229</sup> above sea level is 5809 ft. **Ground Elevation 5797 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)

Pan American Petroleum Corporation drilled the above well to a total depth of 5231 ft with no show of commercial oil and/or gas. 321 ft 13-3/8" 48 lb SRT N-40 surface casing was run and cemented with 400 sacks of regular cement with 1-1/2% calcium chloride. 1114 ft of 9-5/8" 36 lb SRT N-40 intermediate casing string was run and cemented with 200 sacks regular cement with 1% calcium chloride.

A drill stem test was taken from 5011 to 5231. Tool open 2 hrs Shut in 30 minutes. Recovered 270 ft water cut drilling mud 3630 ft fresh water no gas or oil.

An electric log and velocity survey was run from surface to total depth with no show of commercial production.

Well was plugged on November 16, 1958, as follows using regular cement: 100 sacks cement

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

Company Pan American Petroleum Corporation

Address P. O. Box 458

Brush, Colorado

By A. G. Wilson

Title Field Superintendent

plug set 4760 to 4457; 75 sacks cement plug set 3800 to 3603; 40 sacks cement plug set 1182 to 1077; 10 sacks cement plug set at surface and a marker erected in accordance with existing regulations.

The 321 ft of 13-3/8" and 1114 ft of 9-5/8" casing were abandoned in place with no attempt being made to recover casing.

Verbal approval was obtained from United States Geological Survey before plugging operations were commenced.

DEC 8 1953



**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	337	400	Circulating		

**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 0 feet to 5231 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 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**

W. E. Baxter \_\_\_\_\_, Driller J. D. Elam \_\_\_\_\_, Driller  
 Jack Harris \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
800	1530	730	Chinle
1530	1588	58	Shinarump
1588	1810	222	Moenkopi
1810	1974	164	Cutler
1974	2330	356	Organ Rock
2330	3162	832	Cedar Mesa
3162	3652	490	Halgaito
3652	4122	163	Paradox "A"
4122	4285	147	Paradox "B"
4285	4432	168	Paradox "C"
4432	4600	286	Middle Paradox
4600	4886	262	Lower Paradox
4886	5148	5148	Molas

5148 - 262  
 4886 - 262  
 4600 - 286  
 4432 - 168  
 4285 - 147  
 4122 - 163

TO 5148  
 TO 4886 cement  
 TO 4600 cement  
 TO 4432 cement  
 TO 4285 cement

5148 - 262  
 4886 - 262  
 4600 - 286  
 4432 - 168  
 4285 - 147  
 4122 - 163



**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION
5011	5231	DST #1	Tool open 2 hr. SI 39 Min Rec 270' water cut dri mud, 3630' Fresh water, gas none. BHPF 1130-1375 BHPSI 1385.
PXA 11/17/58	5197	- 500	75 sax cement plug
	4760	- 4497	100 sax cement plug
	3800	- 3603	75 sax cement plug
	1182	- 1077	40 sax cement plug
		Surface Plug	10 sax
1860	2118	2118	Mudstone
1900	1880	1880	Mudstone
1935	1900	1900	Mudstone
1950	1935	1935	Mudstone
1955	1950	1950	Mudstone
1995	1955	1955	Mudstone
2005	1995	1995	Mudstone
2030	2005	2005	Mudstone
2035	2030	2030	Mudstone
2040	2035	2035	Mudstone
2045	2040	2040	Mudstone
2050	2045	2045	Mudstone
2055	2050	2050	Mudstone
2060	2055	2055	Mudstone
2065	2060	2060	Mudstone
2070	2065	2065	Mudstone
2075	2070	2070	Mudstone
2080	2075	2075	Mudstone
2085	2080	2080	Mudstone
2090	2085	2085	Mudstone
2095	2090	2090	Mudstone
2100	2095	2095	Mudstone
2105	2100	2100	Mudstone
2110	2105	2105	Mudstone
2115	2110	2110	Mudstone
2120	2115	2115	Mudstone
2125	2120	2120	Mudstone
2130	2125	2125	Mudstone
2135	2130	2130	Mudstone
2140	2135	2135	Mudstone
2145	2140	2140	Mudstone
2150	2145	2145	Mudstone
2155	2150	2150	Mudstone
2160	2155	2155	Mudstone
2165	2160	2160	Mudstone
2170	2165	2165	Mudstone



695 2 24 47

Well was plugged as follows using regular cement: 75 sack cement plug set 5197' to 5000', 100 sack cement plug set 4760 to 4457', 75 sack cement plug set 3800' to 3609', 40 sack cement plug set 1182 to 1077', 10 sack cement plug set at surface and a marker erected in accordance with existing regulations.

The 321 ft. of 11-3/8" and 1114 ft. of 9-5/8" casing were abandoned in place with no attempt being made to recover casing.

Written approval was obtained from United States Geological Survey before plugging operations were commenced.