

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 9-9-60  
 OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_  
 GW \_\_\_\_\_ OS \_\_\_\_\_ PA ✓

Location Inspected \_\_\_\_\_  
 Bond released \_\_\_\_\_  
 State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 3-8-61  
 Electric Logs (No. 1) HA

E \_\_\_\_\_ I \_\_\_\_\_ E-I ✓ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro ✓  
 Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic ✓ Others Section Gauge

(SUBMIT IN TRIPLICATE)

	Sec. 19			

R5W

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Ute  
Allottee Tribal  
Lease No. 14-20-462-314

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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 29, 1959

ROCK CREEK UNIT

Well No. 34-19A #1 is located 785 ft. from N line and 1955 ft. from E line of sec. 19

SW SE Sec. 19  
(1/4 Sec. and Sec. No.)

2 S 5 W  
(Twp.) (Range)

US  
(Meridian)

Wildcat  
(Field)

Duchesne  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~derisk~~ <sup>ground</sup> floor above sea level is 5988 ft. Final elevation will be submitted when rig is on location.

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)

Standard Oil Company of California proposes to drill a 10,000' test, or 100' into the Wasatch formation, or a lesser depth if unitized substances shall be discovered, or if it becomes impractical to drill deeper.

Casing Program: Cement 13-3/8" csg at about 500' with sufficient cement to fill annulus to surface. If commercial production is indicated cement 7" csg through lowestmost productive zone.

Est. Fm. Tops: Duchesne River Near Surface  
 Uinta ?  
 Green River 3250'  
 Wasatch 10,000'

DST's: Will run drillstem tests on zones of interest indicated by samples, gas detector or electric logs.

Logs: Will run electric log from surface to T.D.

Tools: Rotary Tools will be used to drill subject well.

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

Company STANDARD OIL COMPANY OF CALIFORNIA

Address P. O. Box 1076

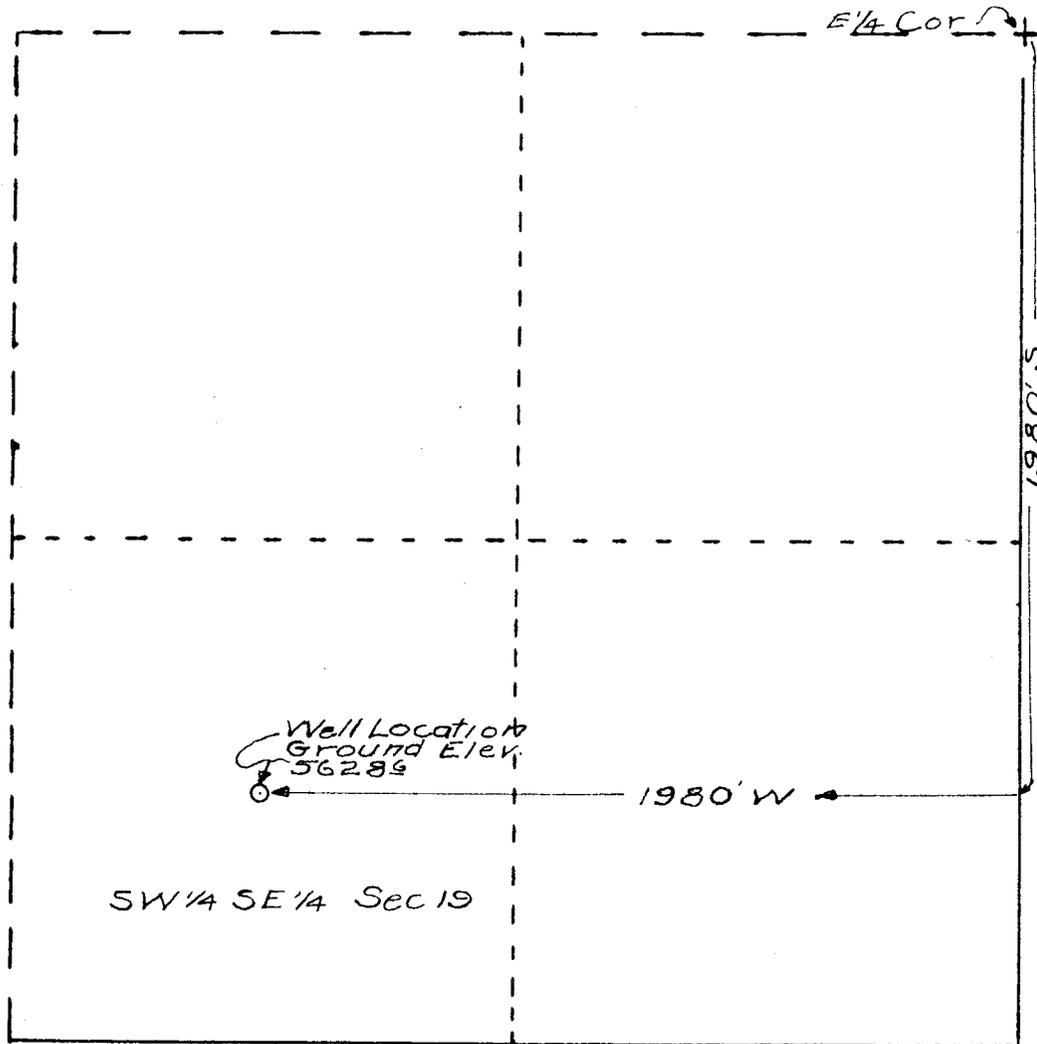
Salt Lake City, Utah

By M. W. Wolf (enc)

Title Division Superintendent

PLAT SHOWING LOCATION OF THE STANDARD OIL COMPANY OF CALIFORNIA WELL IN THE SW<sup>1</sup>/<sub>4</sub> OF THE SE<sup>1</sup>/<sub>4</sub> SECTION 19, TOWNSHIP 2 SOUTH, RANGE 5 WEST, UINTAH SPECIAL MERIDIAN.

Scale of plat 1" = 500 feet



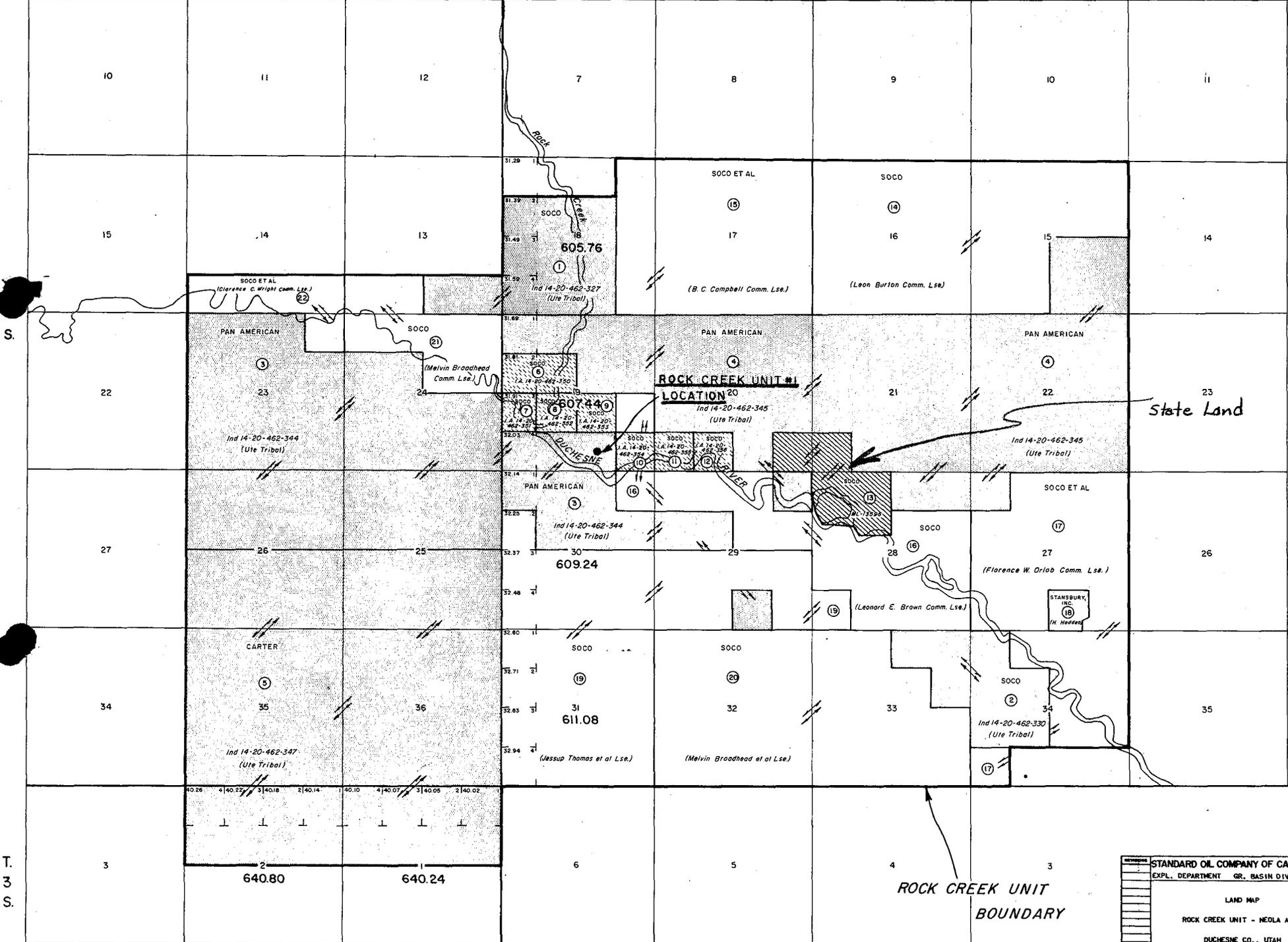
I, Leon P. Christensen of Vernal, Utah, do hereby certify that this plat correctly shows the location of the well shown hereon as surveyed by me on October 7, 1959 and levels were run on October 13, 1959; that said well is located at a point 1980 feet South and 1980 feet West of the East quarter corner Section 19, Township 2 South, Range 5 West, Uintah Special Meridian.



*Leon P. Christensen*  
Prof. Engr. and Land Surveyor

R. 6 W., U.S.M.

R. 5 W., U.S.M.



STANDARD OIL COMPANY OF CALIFORNIA		
EXPL. DEPARTMENT GR. BASIN DIVISION		
LAND MAP		
ROCK CREEK UNIT - NEOLA AREA		
DUCESNE CO., UTAH		
SCALE	DATE	BY

R. 6 W., U.S.M.

R. 5 W., U.S.M.

October 30, 1959

Standard Oil Company of California  
P. O. Box 1076  
Salt Lake City, Utah

Attention: Mr. M. W. Wolf,  
Division Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Rock Creek Unit 34-19 A - No. 1, which is to be located 785 feet from the south line and 1955 feet from the east line of Section 19, Township 2 South, Range 5 West, USM, Duchesne 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 is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

cc: D. F. Russell, Dist. Eng.  
U. S. Geological Survey  
Federal Building  
Salt Lake City, Utah



**STANDARD OIL COMPANY OF CALIFORNIA**  
**WESTERN OPERATIONS, INC.**

211 EAST THIRD SOUTH STREET • SALT LAKE CITY • UTAH

October 29, 1959

EXPLORATION DEPARTMENT  
GREAT BASIN DIVISION  
M. W. WOLF  
DIVISION SUPERINTENDENT

STANDARD, ROCK CREEK UNIT #1  
SECTION 19, T. 2 S., R. 5 W.  
DUCHESNE COUNTY, UTAH

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Gentlemen:

Enclosed find the "Notice of Intention to Drill" for the Standard Rock Creek Unit #1 well, Section 19, T. 2 S., R. 5 W., Duchesne County, Utah. The attached location plat shows the well to be located 660' FSL and 1980' FEL Section 19; however, this is now in error as we have moved the location 125' north and 50' east from the center of the SW SE Section 19 to provide clearance of the location from an irrigation ditch. This new location will still conform to the "General Well Spacing Requirements" as set forth in Rule C-3 "General Rules and Regulations" of the State of Utah Oil and Gas Conservation Commission.

Mr. Leon P. Christensen, Professional Engineer and Land Surveyor, is currently preparing the revised plat and this should be available within the next several days - possibly Friday, October 30th. As soon as this plat arrives we will send the required number of copies so that they can be attached to the "Notices".

The drilling contractor is presently moving equipment onto the location and your early approval will be appreciated.

*M. W. Wolf*  
M. W. WOLF

EMC/jg

Encl.

cc: Pan American  
Carter

*Correct  
J. H.*

Salt Lake City, Utah

November 2, 1959

U. S. G. S.  
Attn: Mr. Donald R. Russell  
Oil & Gas Leasing Branch  
Federal Building  
Salt Lake City, Utah

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

Gentlemen:

Enclosed find required number of copies (3 U.S.G.S. and 2 State) of the corrected location plat for the Standard, Rock Creek Unit 34-19A No. 1, Section 19, T. 2 S., R. 5 W., Duchesne County.

These plats should replace the plats that accompanied our "Notice of Intention to Drill", filed on October 29, 1959.

M. W. WOLF

EWC/jg

Encl.

cc: Pan American, Attn: W. B. Rodan  
P. O. Box 509  
Denver, Colorado  
Carter Oil Co., Attn: Dave Turner  
520 Kearns Bldg.  
Salt Lake City, Utah

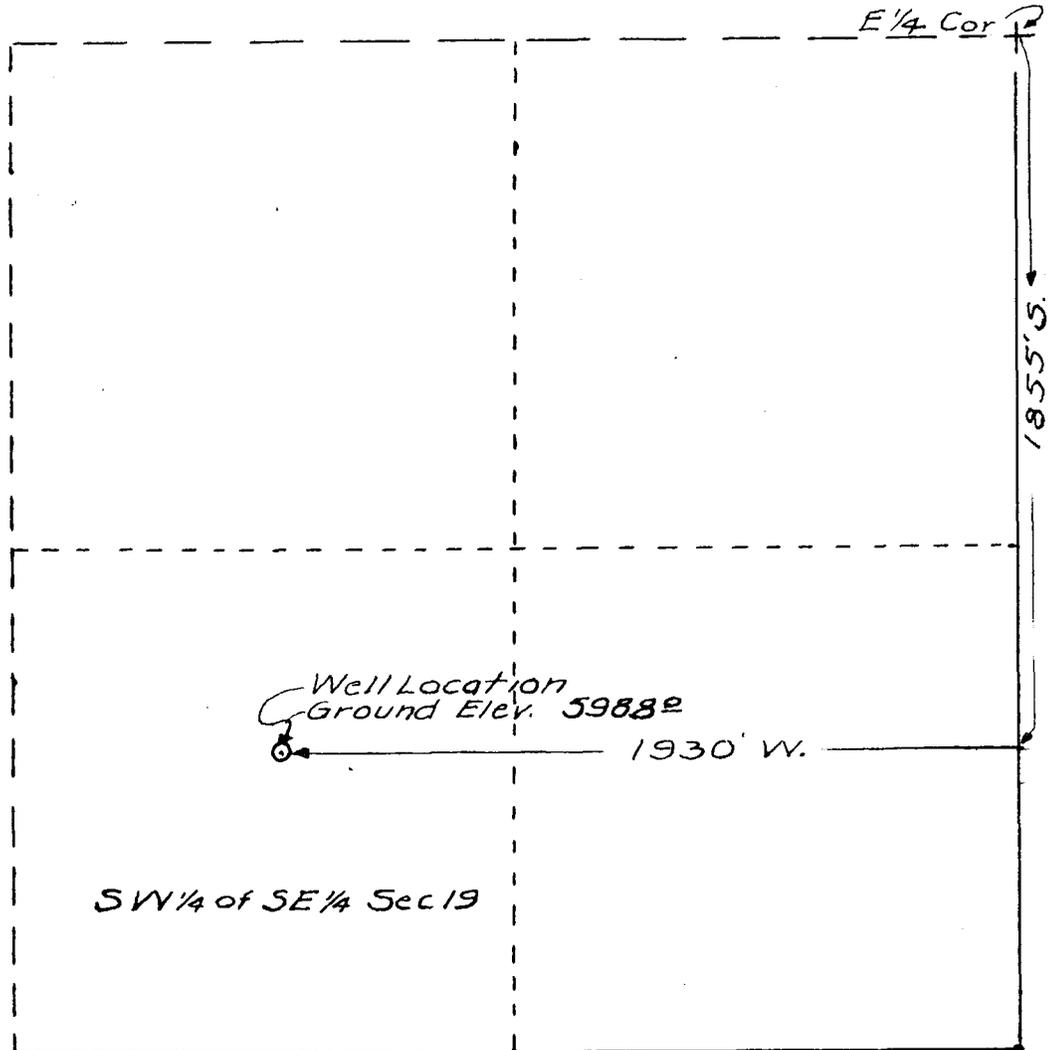
NOV 3 1959

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*2*

PLAT SHOWING LOCATION OF THE STANDARD OIL COMPANY  
OF CALIFORNIA WELL IN THE SW $\frac{1}{4}$  OF THE SE $\frac{1}{4}$  SECTION  
19, TOWNSHIP 2 SOUTH, RANGE 5 WEST, UINTAH SPECIAL  
MERIDIAN.

Scale of plat 1" = 500 feet.



I, Leon P. Christensen of Vernal, Utah, do hereby certify that this plat correctly shows the location of the well shown hereon as surveyed by me on October 7, 1959 and levels were run on October 13, 1959; that said well is located at a point ~~1885~~ feet South and ~~1980~~ feet West of the East quarter corner Section 19, Township 2 South, Range 5 West, Uintah Special Meridian.

*Leon P. Christensen*  
Prof. Engr. and Land Surveyor





**STANDARD OIL COMPANY OF CALIFORNIA**  
**WESTERN OPERATIONS, INC.**

211 EAST THIRD SOUTH STREET • SALT LAKE CITY • UTAH

November 4, 1959

EXPLORATION DEPARTMENT  
GREAT BASIN DIVISION  
M. W. WOLF  
DIVISION SUPERINTENDENT

U. S. G. S.  
Mr. D. F. Russell, District Engineer  
457 Federal Building  
Salt Lake City, Utah

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

Gentlemen:

The footage location shown on the "Notice of Intention to Drill" which was filed on October 29, 1959, for the Standard, Rock Creek Unit 34-19A No. 1, Section 19, T. 2 S., R. 5 W., Duchesne County, Utah, should be corrected to agree with the location plats filed with your respective offices on November 2, 1959.

CORRECTED LOCATION: 785' FSL & 1930' FEL  
(Location on Notice was: 785' FSL & 1955' FEL)

*M. W. Wolf*  
M. W. WOLF

ENC/jg

cc: Pan American, W. B. Rodan  
Box 509, Denver  
Carter, Dave Turner  
520 Kearns Bldg.,  
Salt Lake City

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R714.4  
Approval expires 12-31-60.

ALLOTTEE \_\_\_\_\_  
TRIBE Ute  
LEASE NO. 14-20-462-364

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Duchesne Field Wildcat

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

Agent's address M. W. Wolf Company Standard Oil Co. of Calif.

P. O. Box 1076, Salt Lake City, Utah Signed M. W. Wolf (enc)

Phone DA2-1511 Agent's title Division Supt.

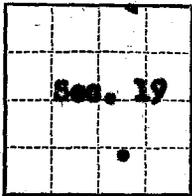
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW SE Sec. 1928		5W	34-19A-1							12-2-59 3689' Drilling gray siltstone with minor thin sandstone interbeds. No significant shows. Well spudded 4:30 p.m., November 6, 1959. Cemented 13-3/8" casing @ 505' with 599 sax.

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

No runs or sales of gasoline during the month. (Write "no" where applicable.)  
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN TRIPLICATE)

Indian Agency Ute



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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-462-344

R5W

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	X
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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)

December 1, 1959

Well No. 34-19A #1 is located 785 ft. from N line and 1930 ft. from E line of sec. 19

SW SE Sec. 19  
(¼ Sec. and Sec. No.)

2 S 5 W  
(Twp.) (Range)

U. S.  
(Meridian)

Wildcat  
(Field)

Duchesne  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5999 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)

**Cemented 13-3/8" surface casing at 505' with 599 sacks. Good circulation and good cement returns.**

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

Company STANDARD OIL COMPANY OF CALIFORNIA

Address P. O. Box 1076  
Salt Lake City, Utah

By M. W. Wolf (over)  
Title Div. Supt.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ALLOTTEE \_\_\_\_\_  
TRIBE Ute  
LEASE NO. 14-20-162-314

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County DUCHESNE Field WILDCAT

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

Agent's address M. W. Wolf Company Standard Oil Co. of California  
P. O. Box 1076, Salt Lake City, Utah Signed M. W. Wolf (enc)

Phone DA2-1511 Agent's title Division 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)
SW SE Sec. 19	2S	5W	34-19A #1							1-4-60: 5885' Drlg. gray siltstone & shale with minor sandstone interbeds- Green River formation. No significant shows and no tests.

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ALLOTTEE \_\_\_\_\_  
TRIBE Ute  
LEASE NO. 14-20-462-344

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Duchesne Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1960.

Agent's address M. W. Wolf Company Standard Oil Co. of California  
P. O. Box 1076, Salt Lake City, Utah Signed [Signature]

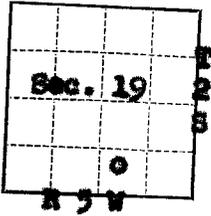
Phone DA 2-1511 Agent's title Division Supt.

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)
SW SE Sec. 19	28	5W	34-1	9A-1						1-29-60. Drilling @ 7079' in gray siltstone of Green River fm. Log top Green River Fm. 2517'. Ran correlation electric logs to 5987'. Ran DST #1: 6095-6137'. Medium blow to surf in 55 min, too weak to measure. Recovered 930' rise, top 180' gassy mud, balance salt water. IHH 3025, ISIP 2695, IF 103, FF 515, FSIP 2664, FHH 2883.

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

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

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



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Ute

Allottee Tribal

Lease No. 14-20-462-344

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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)

February 19, 1960

Well No. 34-19A #1 is located 785 ft. from N line and 1930 ft. from E line of sec. 19  
SW SE Sec. 19 2 S 5 W US  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Duchesne Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ 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)

P.T.D. 806' 13-3/8" C. 505'.

Plan to cement 7-5/8" protective casing on bottom with 125 sax. to eliminate lost circulation trouble up hole.

Bottom 2300'+ 29# N-80 Hydril 2 step Flush joint  
 Balance 29.70# N-80 Extremeline

Will run float shoe on bottom and float collar two joints above shoe.

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

Company STANDARD OIL COMPANY OF CALIFORNIA  
 Address P. O. Box 1076  
Salt Lake City, Utah

By [Signature]  
 Title Division Superintendent

(SUBMIT IN TRIPLICATE)

Indian Agency Ute

Sec. 19	T 2 S
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal  
Lease No. 14-20-462-344

ESW

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	X
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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)

February 25, 1960

Well No. 14-19A-21 is located 785 ft. from N line and 1930 ft. from E line of sec. 19

SW 22 Sec. 19 2 E 5 W U.S.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Duchesne Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5996 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)

P.T.D. 806h' 13-3/8" casing @ 505'.

Cemented 7-5/8" casing at 806h' with 125 sacks.

Casing was run to eliminate lost circulation trouble up hole.

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

Company STANDARD OIL COMPANY OF CALIFORNIA

Address ATTN: M. W. WOLF

P. O. Box 1076

Salt Lake City, Utah

By M. W. Wolf (Enc)  
Title Division Supt.

*[Handwritten mark]*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ALLOTTEE \_\_\_\_\_  
TRIBE Ute  
LEASE NO. 14-20-462-344

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County Duchesne Field WILDCAT

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1960,

Agent's address M. W. Wolf Company Standard Oil Co. of Calif.  
P. O. Box 1076 - Salt Lake City, Utah Signed M. W. Wolf (Enc)

Phone DA2-1511 Agent's title Division Supt.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE 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 Sec. 19	28	5W	34-19A #1							<p>3-1-60 8543' Drilling in Green River shale &amp; siltstone. Cemented 7-5/8" casing @ 8064' with 125 sack to eliminate lost circulation up hole. Ran Schlumberger Induction-Electric, Sonic &amp; Microlog at 8064' prior to running pipe. Ran Schlumberger wire line tester: 5620' Recovered 1 quart of muddy water. SIP 2500#. 7847' Recovered .05 cubic feet gas. No pressure. DST #2: 8064-8350' - ISI 30 mins, open 2 hours, PSI 1 hour, gas to surface 10 mins, too small to measure. Salt water &amp; gas to surface in 52 mins. Flowed remainder of test. Salinity 29,500 ppm NaCl. IH 4090, ISI 3465, IF 755, FF 3362, PSI 3465, PH 4090.</p>

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ALLOTTEE \_\_\_\_\_  
TRIBE Ute  
LEASE NO. 14-20-162-314

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County DUCHESNE Field WILDCAT

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1960,

Agent's address M. W. Wolf Company Standard Oil Company of Calif.  
P. O. Box 1076, Salt Lake City, Utah Signed M. W. Wolf

Phone DA2-1511 Agent's title Division Supt.

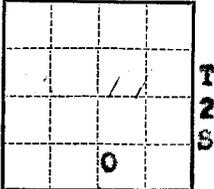
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SE SE Sec. 19	2S	5W	34-19A #1							10,119' Total Depth. Ran Schlumberger, IES, Microlog and Gamma-Sonic to total depth. Plan to run 5" liner from bottom of 7-5/8" casing cemented at 8064' to total depth to test certain intervals of interest.

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

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

(SUBMIT IN TRIPLICATE)

Indian Agency UTE  
TRIBAL  
Allottee 14-20-462-344  
Lease No. \_\_\_\_\_



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 SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	<input checked="" type="checkbox"/>	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

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

\_\_\_\_\_ April 4 \_\_\_\_\_, 1960

Rock Creek  
Well No. 34-19A-1 is located 785 ft. from [N] line and 1930 ft. from [E] line of sec. 19

SW SE Sec. 19 (¼ Sec. and Sec. No.)      2 S (Twp.)      5 W (Range)      U.S. (Meridian)  
Wildcat (Field)      Duchesne (County or Subdivision)      Utah (State or Territory)

The elevation of the derrick floor above sea level is 5998 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)

Total Depth 10,119'.

Casing: 7-5/8" casing cemented at 8064'.

Purpose to cement 5" liner from 8064' to total depth of 10,119' to conduct formation tests which could not be run in open hole because of hole condition. Plan to cement liner with 390 sacks cement.

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

Company STANDARD OIL COMPANY OF CALIFORNIA

Address P. O. BOX 1076

SALT LAKE CITY, UTAH

By \_\_\_\_\_

Title DIVISION SUFF.

112

(SUBMIT IN TRIPLICATE)

Indian Agency UTX

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee TRIBAL

Lease No. 14-20-162-244

Sec. 19	T R I B E
0	

NSW

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	X
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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)

April 5, 1960

Well No. 14-19A is located 785 ft. from S line and 1920 ft. from E line of sec. 19

SW SE Sec. 19 (1/4 Sec. and Sec. No.)      2 E (Twp.)      5 W (Range)      U.S. (Meridian)  
Wildcat (Field)      Duchesne (County or Subdivision)      Utah (State or Territory)

The elevation of the derrick floor above sea level is 5998 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)

Total Depth 10,119'; 7-5/8" casing cemented at 8061'.  
Cemented 2256' of 5" N-80 18# T&C liner at 10,117' with 390 sacks cement. Top liner at 7861'.

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

Company STANDARD OIL COMPANY OF CALIFORNIA  
Address P. O. BOX 1076  
SALT LAKE CITY, UTAH  
By M.W. Wolf (Enc)  
Title DIVISION SUPT.

Red



**STANDARD OIL COMPANY OF CALIFORNIA**  
**WESTERN OPERATIONS, INC.**

211 EAST THIRD SOUTH STREET • SALT LAKE CITY • UTAH

EXPLORATION DEPARTMENT  
GREAT BASIN DIVISION  
M. W. WOLF  
DIVISION SUPERINTENDENT

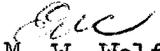
April 26, 1960

Oil & Gas Conservation Commission  
Mr. Cleon B. Feight  
310 Newhouse Building  
Salt Lake City, Utah

Dear Mr. Feight:

Enclosed please find one copy each of the  
Induction Electric, Sonic and Microlog from Standard Oil  
Company of California Rock Creek Unit 34-19A #1, Section  
19, T. 2 S., R. 5 W., Duchesne County, Utah.

Very truly yours,

  
M. W. Wolf

EWC:jg  
Enclosures



awb

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

OFFICE Ute  
TRIBE Ute  
LEASE NO. 14-70-462-344

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Duchesne Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1960,

Agent's address M. W. Wolf Company Standard Oil Co. of California

P. O. Box 1076, Salt Lake City, Utah Signed M. W. Wolf (CWC)

Phone Davis 2-1511 Agent's title Division Superintendent

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)
SE SE Sec. 19	2S	5W	34-19A #1							10,119' Total Depth PSTD 8990'
Ran 5" liner 18' T&C N80 to 10,117' cemented with 390 sacks. Ran following formation tests of perforated intervals (3/8" standard casing jets 2 per foot).										
<u>DST #1:</u> 6095-6137' - ISI 30 min., open 1 hr. 25 min., FSI 45 min. Immed. med-strong blow decr. to weak in 15 min. Gas to surf. 55 min., TWTM. Rec. 930', 180' GCM, 750' SW, SW 0.098 Ohm-meters at 68°F. 82,500 PPM NaCl, ISIP 2703#, IFP 103#, IHH 3016#, FSIP 2682#, FFP 560#, FHH 2875#, BHT 158°F.										
<u>DST #2:</u> 8064-8350' - Open 2 hrs., Initial shut-in 30 min. Final shut-in 1 hr. Immed. strong blow, gas to surf. 52 min, TWTM; blow decreased to good after 1 hr & remained to end. Flwd. heavily GCSW by heads. Reversed out fluid, 29,600 PPM NaCl. ISI 3480#, IF 758#, FF 3330#, FSI 3480#, IHH 3975#, FHH 4090#.										
<u>DST #3:</u> Perf. Intervals 9714-80', 9805-16', 9885-95', 9975-95'. Open 1 hr. SI 45 min. Opened with faint blow, decreased slowly, dead in 16 min. and for rest of test. Rec. 480' rat hole mud net. IFP 370#, FFP 395#, FSIP 540#, IHH 4400#, FHH 4400#.										
<u>DST #4:</u> Perf. Intervals 9305-32', 9352-74', 9398-9418'. Open 4 1/2 hrs., SI 1 1/2 hrs. Opened with good blow immediately decreasing slowly to very faint blow at end of 2 hrs. Increased slightly at end of test. Gas to surf. in 9 min. gauged @ 20 MCF/D. After 2 hrs. 40 min. well flowed 20 BPH SMC very gassy formation water by heads (1.3 ohm meters @ 64°F), 5,000 ppm and 290 G/G NaCl). IHH 4300#, IFP 515#, FFP 3780#, FSIP 3385#, FHH 4195#.										
<u>DST #5:</u> Perf. Intervals 9136-44', 9153-65'. Open 3 1/2 hrs., SI 1 1/2 hrs. Opened with strong blow immediately decreasing rapidly to very faint in 8 min. Gas to surf. in 2 hrs. 40 min., to weak to gauge. Rec. (Gross) 270' very gassy, very slightly NCW and 2486' GCW. (2.0 ohm meters @ 61°F) IHH 4195#, IFP 80#, FFP 1190#, FSIP 4090#, FHH 4195#.										
<u>DST #6:</u> Perf. Intervals 8530-8700', 8730-8798'. Open 4 hrs., SI 2 hrs. Fair blow immed. decreasing slowly to weak blow after 1 hr - continued weak to end of test. Gas to surf. in 20 min., too weak to gauge. Burned with 5' flame. Rec. (Gross) 90' HGCM, 1778' very HGC black oil (10.7 barrels) & 50' mud. IHH 3910#, IFP 262#, FFP 728#, FSIP 2949#, FHH 3885#.										

~~Tearing down rotary rig and installing pumping facilities to production test interval 8530-8798'.~~

Note.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

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

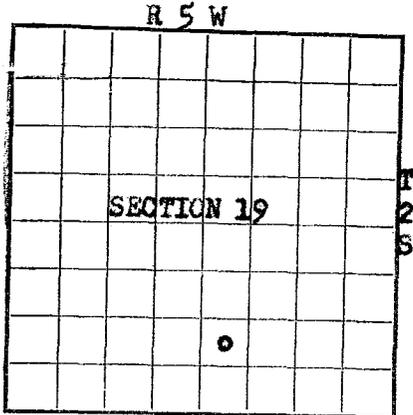
G.W.H.

MAY 5 1960

15

Form 9-330

Geological Survey Bureau No. 42-R355.4  
Approval expires 12-31-60.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Salt Lake City  
SERIAL NUMBER 14-20-462-344  
LEASE OR PERMIT TO PROSPECT Ute  
Tribal

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PRELIMINARY REPORT  
LOG OF OIL OR GAS WELL

Company STANDARD OIL CO. OF CALIFORNIA Address Box 1076, Salt Lake City, Utah  
Lessor or Tract Rock Creek Unit Field Wildcat State Utah  
Well No. 34-19A Sec. 19 T. 2 S R. 5 W Meridian U.S.M. County Duchesne  
Location 785 ft.  $\left\{ \begin{smallmatrix} N. \\ E. \end{smallmatrix} \right\}$  of S. Line and 1930 ft.  $\left\{ \begin{smallmatrix} E. \\ W. \end{smallmatrix} \right\}$  of E. Line of Section 19 Elevation 5998  
(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 [Signature]

Date May 2, 1960 Title Division Superintendent

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

Commenced drilling November 6, 1959 Finished drilling April 27, 1960

DEPT. OF OIL & GAS SANDS OR ZONES

No. 1, from 8530 to 8798 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 2550 to 2598 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-	
13-3/8	505	8 round	T&C N80	599	Banker				Standard Oil Co.
7-5/8	8064	8 round	T&C N80	125	Banker				Standard Oil Co.
5	10117	8 round	T&C N80	390	Banker	8530	8798		Standard Oil Co.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	505	599 Sacks	Displacement		
7-5/8	8064	125 Sacks	Displacement		
5	10117	390 Sacks	Displacement		

MARK

1" McCullough Standard Casing	Jets	2 1/2	er Feet	4/60	8530-8798
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**TOOLS USED**

Rotary tools were used from Surface feet to 10,119 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from None 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**

Miracle-Weoster Drilling Conty. <sup>Driller</sup> XXXX \_\_\_\_\_ Driller  
 H.H. Murphy, <sup>Tool Pusher</sup> \_\_\_\_\_, <sup>Driller</sup> XXXX \_\_\_\_\_ Driller

**FORMATION RECORD**

FROM-	TO-	TOTAL FEET	FORMATION
Surface	300±	300±	Valley fill - unconsolidated sand & gravel.
300±	2517	2217	<u>Tertiary Uinta Fm.</u> Interbedded red-brown siltstone and brown-gray sandstone.
2517	3250	733	<u>Tertiary Green River Fm.</u> Interbedded brown siltstone and gray fine grained sandstone.
3250	3600	350	<u>Tertiary Green River Fm.</u> Interbedded green siltstone and gray, very fine grained sandstones
3600	7550	3950	<u>Tertiary Green River Fm.</u> Interbedded gray shale, siltstone and few very fine grained sandstones.
7550	9755	2205	<u>Tertiary Green River Fm.</u> Gray shale.
9755	10,119 (TD)	364	<u>Tertiary Wasatch Fm.</u> Interbedded red-brown siltstones, sandstones and few limestone stringers in bottom 200 feet.

(OVER)

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION
<u>FORMATION TEST SUMMARY</u>			
<u>DST #1:</u>	6095-6137'		ISI 30 min., open 1 hr. 25 min., PSI 45 min. Immed. med-strong blow decr. to weak in 15 min. Gas to surf. 55 min., TWTM. Rec. 930', 180' GCM, 750' SW, SW C.098 Ohm-Meters at 68°F. 82,500 ppm NaCl. ISIP 2703#, IFF 103#, IHH 3016#, FSIF 2682#, FFP 560#, FHH 2875#, BHT 158°F.
<u>DST #2:</u>	8064-8350'		Open 2 hrs., initial shut-in 30 min. Final shut-in 1 hr. Immed. strong blow, gas to surf. 52 min, TWTM; blow decreased to good after 1 hr. & remained to end. Flwd. heavily GCSW by heads. Reversed out fluid, 29,600 ppm NaCl. I I 3480#, IF 758#, FF 3330#, PSI 3480#, IHH 3975#, FHH 4090#.
<u>DST #3:</u>	Perf. Intervals 9714-80', 9805-10', 9885-95', 9975-95'		Open 1 hr. SI 45 min. Opened with faint blow, decreased slowly, dead in 16 min. and for rest of test. Rec. 480' rat hole and net. IFF 370#, FFP 395#, FSIP 540#, IHH 4400#, FHH 4400#.
<u>DST #4:</u>	Perf. Intervals 9305-32,, 9352-74, 9398-9418'		Open 1 1/2 hrs., SI 1 1/2 hrs. Opened with good blow immediately decreasing slowly to very faint blow at end of 2 hrs. Increased slightly at end of test. Gas to surf. in 9 min. gauged @ 20 MCF/D. After 2 hours 40 min. well flowed 20 BFM SMC very gassy formation water by heads (1.3 ohm meters @ 61°F), 5,000 ppm and 290 G/G NaCl). IHH 4300#, IFF 515#, FFP 3780#, FSIP 3385#, FHH 4195#.
<u>DST #5:</u>	Perf. Intervals 9136-44, 9153-65'		Open 1 1/2 hrs., SI 1 1/2 hrs. Opened with strong blow immediately decreasing rapidly to very faint in 8 min. Gas to surf. in 2 hrs. 40 min., too weak to gauge. Rec. (Gross) 270' very gassy, very slightly MOW and 246' GOW. (2.0 ohm meters @ 61°F) IHH 4195#, IFF 80#, FFP 1190#, FSIP 4090#, FHH 4195#.
<u>DST #6:</u>	Perf. Intervals 8530-8700, 8730-8798'		Open 1 1/2 hrs., SI 2 hrs. Fair blow immed. decreasing slowly to weak blow after 1 hr. - continued weak to end of test. Gas to surf in 20 min., too weak to gauge. Burned with 5' flame. Rec. (Gross) 90' MOCM, 1778' very HOC black oil (16.7 barrels) & 50" mud. IHH 3910#, IF 262#, FFP 726#, FSIP 2949#, FHH 3885#.
<u>Water Shut-off Test #1:</u>	Perforations at 7960'		Open 1 hr., not shut in. Opened with puff blow, dead in 3 min. Recovered 10' rat hole mud. IHH 3785#, IF 0#, FFP 0#, FHH 3785#.
<u>Water Shut-off Test #2:</u>	Perforations at 9710'		Test dry.
<u>Water Shut-off Test #3:</u>	Perforations at 9300'		Open 1 hr., no shut in. Opened with weak blow, dead in 30 min. Recovered 270' water cushion and 120' of oil cut drilling mud. IHH 4120#, IF 205#, FFP 205#, FHH 4120#.
<u>Water Shut-off Test #4:</u>	Perforations at 8820'		Open 1 hr. no shut in. Opened with very weak blow, dead in 8 min. Recovered 30' drilling mud. IHH 4195#, IF 30#, FFP 30#, FHH 4195#.
<u>Water Shut-off Test #5:</u>	Perforations at 8484'		Open 1 hr. shut in 30 min. Opened with fair blow immediately, increasing slightly to moderate blow remainder of test. Rec. 90' drilling mud and 2' of very heavily gas cut and heavily oil cut drilling mud. IHH 4145#, IF 80#, FFP 105#, SIP 1090#, FHH 3990#.

WELL NO. 100000

DATE	DESCRIPTION	DEPTH	REMARKS
	DRILLING		
	CEMENTING		
	PLUGGING		
	TESTING		
	REDRILLING		
	REPAIRS		
	PRODUCTION		

### HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

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 bailing.

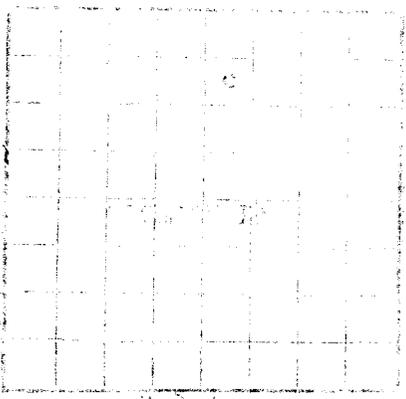
#### CEMENTING:

5" liner cemented from 7856 to 10,117' with 390 sacks cement. Liner cleaned out to 10,041'.

Cemented interval 8990-9742' with 70 sacks cement.

Plugged back depth to date of this report 8990'.

**NOTE:** Above water shut-off tests were made through casing or liner of one foot of four one-half inch perforations either by straddle test or plug set below perforation and single packer above. Oil on eye side of some



### HISTORY OF OIL OR GAS WELL

GEOLOGICAL BREAK  
 DEPARTMENT OF THE INTERIOR  
 UNITED STATES

DATE OF REPORT TO BUREAU  
 NAME OF WELL  
 LOCATION OF WELL  
 COUNTY AND STATE

(SUBMIT IN TRIPLICATE)

Indian Agency Ute

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-460-346

	19		
		X	

R 5 W

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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)

Vernal, Utah September 1, 19 60

Well No. 34-19A (1) is located 785 ft. from SW line and 1930 ft. from E line of sec. 19  
SW 1/4 SE 1/4 Sec 19 R 5 T 2 U.S.M.  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Duchesne Utah  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7998 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)

**PRESSENT STATUS: Total Depth: 10,119' Effective Depth: 8,990'**

Casings: 2 3/8" cmtd 905'  
7 5/8" 89.7# 8-80 cmtd 8064'  
2256' of 5" 10# 8-80 liner cmtd 10,117'. 500 on splice  
7061' Perforated with two jet holes per foot 8530-8630',  
8650-8700', 8730-8798'. bridged with cmt 8990-9268',  
9278-9282'. Ineffective perforations behind cmt bridges  
9136-9144', 9153-9165', 9305-9332', 9352-9374' and 9388-  
9418'.

Fishes: 31' of 2" tubing and 4-1/16" OD HTS packer in 5" liner  
8869-8900'. (See attached sheet for remainder)

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

Company Standard Oil Company of California, Western Operations, Inc.  
 Address P. O. Box 455  
Vernal, Utah

By C. V. CHRISTENSEN 9/1/60  
 Title District Superintendent

WGS, SEC-31 (4000-1) (27-28-1)  
 14-1, File-1

Last produced August 29, 1960. 9 B/D OIL, 2 B/D Water.

Confirming telephone conversation Locke - Harsted on September 1, 1960 we now propose to

- (1) Bridge 5" casing from top of fish at 8869' to above top of perforations with cement. No casing will be recovered.
- (2) Fill hole with heavy gal sand.
- (3) Recover tubing head, flange on 13-3/8" flange with 4" riser, gate valve, and bull plug. Riser to be head welded with well identification.
- (4) Clean up surface location. Abandon well and relinquish responsibility therefor to Ute Tribe.

AWB  
HK

Budget Bureau No. 42-R714.4.  
Approval expires 12-31-60.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Ute Tribal Lease  
ALLOTTEE  
TRIBE  
LEASE NO. 14-20-462-344

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Duchesne Field Rock Creek Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1960, Standard Oil Co. of Calif., Western Operations, Inc.

Agent's address F. O. Box 455 Vernal, Utah Company Standard Oil Co. of Calif., Western Operations, Inc.  
Signed C. V. CHATWENTON 10/2/60

Phone Vernal 2000 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE 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 19	28	5W	34-19A (1)							<p>The attached "Monthly Well Production PRO-420" statement reflects adjustment for non-salvageable oil included in prior months production.</p> <p><u>Present Status</u> Depth: 10,119' T. D. Casing: 13-3/8" 54.5# J-55 csg cem 505' 5" 18# N-80 liner hung @ 786'</p> <p><u>Operations Conducted</u> Moved in R&amp;R Well Service. Pulled rods. Hung tubing @ 8850', pumped in 30 sack cem. Located top plug @ 8540'. Hung tubing @ 8530', pumped in 30 sack cem. Located top plug @ 8230'. Filled hole with mud to surface. No casing recovered. Crew released 9-9-60. Placed marker and responsibility for well transferred to the Ute Tribe.</p> <p>Plugs: 8,230'</p>

JK

copy sent to Frarris Mayo 10/29/60

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.

Form 9-329A  
(December 1948)

USGS, Casper-3; Humble Oil & Refining Co. -1; Pan American-1;  
O&GCC-1; LEC-1; MWW-1; File-1

16-26231-6 U. S. GOVERNMENT PRINTING OFFICE

128

Form 9-331b  
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency \_\_\_\_\_

	19	
		X

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_

Lease No. 14-20

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 REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING 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)

Vernal, Utah                      October 5, 1960

Rock Creek Unit

Well No. 4-19A (1) is located 785 ft. from RSK line and 1950 ft. from E line of sec. 19

1/4 1/4 19                      2S                      5W                      U3M  
(1/4 Sec. and Sec. No.)                      (Twp.)                      (Range)                      (Meridian)

Wildcat                      Duchesne                      Utah  
(Field)                      (County or Subdivision)                      (State or Territory)

The elevation of the derrick floor above sea level is 5958 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)

1. Bridged 5" liner from 8850' to 8230' with 60 sack common cement with retarder. Located top of cement at 8230' with 10,000 wt on 2-1/2" tubing.
2. Filled hole with heavy gel mud.
3. Recovered tubing head, flanged on 13-1/8" flange with a 4" riser, gate valve, and bull plug on top. Riser head welded with well identification.
4. Cleaned up surface location. Abandoned well and relinquished responsibility therefore to Ute Tribe.

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

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455

Vernal, Utah

By C. F. CARLTON 10/5/60

Title District Superintendent

USGS, LC-3; OGC-1;  
JET-24-1; M-1; File-1.

140



THE STATE OF UTAH  
OFFICE OF STATE ENGINEER  
SALT LAKE CITY

WAYNE D. CRIDDLE  
STATE ENGINEER

October 27, 1960

Mr. Daryl Fleming, Superintendent  
U. S. Bureau of Indian Affairs  
Fort Duchesne, Utah

Dear Mr. Fleming:

This office has recently been advised, through the Utah Oil and Gas Conservation Commission, that Standard Oil Company of California has transferred responsibility for the two following oil and gas exploration holes to the Ute Tribes:

- (1) Well No. 13-5B, in NW/4 SW/4 Section 5, T. 1 N., R. 2 W.
- (2) Well No. 34-19A, in SW/4 SE/4 Section 19, T. 2 S., R. 5 W.

It appears that both exploration holes gave evidence of the availability of usable ground water supplies.

Because of our continued interest in the ground water resources of the Uinta Basin, we would appreciate knowing to what extent you may have been able to determine the quality of the waters involved, and the extent to which either or both of the wells may be capable of yielding water in usable quantities.

We will also appreciate knowing the extent to which the Ute Tribe may plan to use the above wells in the near future and the nature of any proposed use.

Sincerely yours,

*F.T.M.*  
Francis T. Mayo, Chief  
Water Resources Branch

FTM:ej

cc: Mr. Fred A. Haverland  
Area Director  
U. S. Bureau of Indian Affairs

Mr. C. V. Chatterton, Dist. Supt.  
Standard Oil Co. of California

Mr. Cleon Feight, Executive Secretary ✓  
Utah Oil and Gas Conservation Comm.

Mr. Don Russell, District Engineer  
U. S. Geological Survey



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

I. DANIEL STEWART  
*Chairman*

DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
*Director*

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

August 24, 1978

Chevron USA Inc.  
P. O. Box 266  
Neola, Utah 84053

*Jim  
Harvey*

Re: Well No. Rockcreek Unit 34-19A #1  
Sec. 19, T. 2S, R. 5W,  
Well No. Ute 283-13-5B-3  
Sec. 5, T. 1N, R. 2W,  
Both Duchesne County, Utah

Gentlemen:

In the process of updating this Division's Water Well files, it was noted that we have not received any recent status notification on the above mentioned well(s).

In order to keep our records accurate and up-to-date, please complete the enclosed form OGC-1b, in duplicate, and forward them to this office as soon as possible.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

*Kathy Avila*

KATHY AVILA  
RECORDS CLERK

COMPLETION REPORT -- NEW WELL

STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Rock Creek Unit

PROPERTY: Section 19A

WELL NO: 34-19A (1)

Sec. 19 T. 2S. R. 5W U.S. B. & M.

LOCATION: 1855' S and 1930' W from E 1/4 cor.

Lease No.: 14-20-462-344

ELEVATION: 5998' K.B.

D. F. is K.B. 15' 12.6' above ground

DATE: 2-28-61

By C. V. CHATTERTON

Supt. Producing Department

DRILLED BY: Miracle & Wooster

DATE COMMENCED DRILLING: November 6, 1959

DATE COMPLETED DRILLING: April 27, 1960

DATE OF INITIAL PRODUCTION: June 23, 1960

WELL ABANDONED: September 9, 1960

PRODUCTION:	Daily average, 1st	30	days	Gravity	25.2	° API	Pumping	X
	Oil	24	Bbls.	T. P.	45	PSI	Flowing	
	Water	35	Bbls.	C. P.	40	PSI	Gas Lift	
	Gas	30	Mcf.	Bean		/64"		

S U M M A R Y

T.D. 10,119'

EFFECTIVE DEPTH: Abandoned

CASING: 13-3/8" cmtd @ 505'  
 7-5/8" cmtd @ 8064'  
 5" cmtd at 10,117', top at 7861'.

PERFORATIONS: 8530-8630; 8650-8700;  
 8730-8798; 9136-9144; 9153-9165;  
 9305-9332; 9352-9374; 9398-9418;  
 9719-9780; 9805-9816; 9885-9895;  
 9975-9995' with 2 - 1/2" jets per  
 foot. Bridged with cement  
 9272-9742, 8990-9268, 8550-8230'.  
 All perforations excluded.  
 WSO on 4 - 1/2" holes at 7960,  
 9710, 9300, 9265.

LOGS RUN:

Schlumberger IES 505-0'  
 Schlumberger IES, Microlog,  
 Sonic log, Caliper log 8064-505'  
 Schlumberger IES, Microlog,  
 Sonic log 8064-9637'  
 Schlumberger IES, Sonic,  
 Microlog, Dipmeter logs 10,119-9637'  
 McCullough gamma correlation  
 log 10,041-8064'

MARKERS: Duchesne - Surface  
 Top Green River - 2517'  
 Top Wasatch - 9698'

DST's #1 - 6095-6137'  
 #2 - 7847 (Sch. wire line)  
 #3 - 5620 (Sch. wire line)  
 #4 - 8064-8350'  
 #5A - 9714-9995'  
 #5 - 9714-9995'  
 #6 - 9305-9418'  
 #7 - 9136-9165'  
 #8 - 8530-8798'

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

Miracle & Wooster Drilling Co. moved in and rigged up.

Well spudded at 4:30 P.M. November 6, 1959.

Drilled 17-1/2" hole 24' to 26'.

Lost circulation 26'. Had scaling up around outside of cellar boards. Waiting for cement delivery 7-1/2 hours.

November 7, 1959

Halliburton mixed 71 sack of cement treated 2% CaCl. Pumped in thru 4-1/2" DP hung at 22'. Got return of cement on outside of cellar boards. Cement in place at 1:30 A.M. Located cement after 8 hrs, not set up. Let stand 4 more hours. Located cement at 20 feet. Drilled out cement 20' to 26'. Drilled 17-1/2" hole to 47'.

November 8, 1959 - November 10, 1959

Drilled 17-1/2" hole 47" to 415'. Ran Schlumberger IES to pick casing point.

November 11, 1959

Ran 510.71' of Briten 13-3/8" 5 1/2 #, J-55 casing. Bottom joint equipped with Larkins Guide Shoe, 3 up down scratchers and 2 centralizers, one 8' above shoe and one 8' below first collar. First 3 joints locked w/Baker lock. Halliburton cemented casing at 505' w/599 sacks of regular cement mixed w/est 90 bbls water 15 to 16 gal slurry. Displaced w/72.8 bbls water leaving 40' in csg. Used one top rubber plug. Good circ thruout job. Return cement last 20 bbls displaced. Cement in place 5:45 P.M. Last 200 sack treated 2% CaCl. 30 min mixing time. 9 min displacing time.

November 12, 1959 to December 1, 1959

Drilled 9" hole 505' to 3686'.

Lost circulation at 2566'. Lost circulation at 2984'. Lost Circulation at 3531'.

December 2, 1959

Core #1 3675-3689' Rec. 13' (8-7/8" hole)

3675-3677' Siltstn lt green calc

3677-3679-1/2' ls, clayey, lt green and lt brown w/s vertical open fract

3679-1/2-3688' Siltst limy, lt-med gray to pale green, with 1" or smaller streaks of irregularly bedded v fine ss very calcareous, very dense T. Top 3-1/2' (3679-1/2-3683') fractured near vertical (86°) open. Poor 1° dip.

Drilled 9" hole 3689-3768'. Lost circulation at 3738', 3749' and 3754'.

December 3, 1959 to December 11, 1959

Drilled 9" hole 3768' to 4416'. Lost Circulation at 3968' and 4153'.

December 12, 1959

Drilled 9" hole 4416' to 4440'

Core #2 4440-4455' Rec. 15' (8-7/8" hole)

4440-4446-1/2' Siltst limy, even gy brn abun carb material on bedding planes, V thin & wavy bdd, thin, irreg strata

4446-1/2-4447' SS, brown, qtz, thin, irreg bedded very fine grained, dense, very calc grading to arenaceous, limestone.

WELL NO: 34-19A (1)

PROFANITY: Section 19

ROCK CREEK FIELD

December 12, 1959 (cont.)

4447-4449' Siltst gy, tan, gy-grn, v limy, in part aren, irreg, thin bdd, v dense  
 4449-4449-1/2' ss brown, gy, v fine to med grained in thin, irreg streaks, v calc,  
 very dense

4449-1/2-4453-1/4' Siltst as above

4453-1/4-4454' Lm white, lt gy, drk gy, v f xln, v py, v irreg, slump bdd.

4454-4455' Siltst as above.

December 13, 1959 to December 22, 1959

Drilled 9" hole 4455' to 5046'

Lost Circulation @ 4475', 4529' and 4939'.

December 23, 1959

Core #3 5041-5056' Rec. 15' (8-7/8" hole)

5041-5045 Limestone grading downward to calc siltstn. Dk blu-gry, hd, dnse, fnly  
 sln, vy silty, dolo, com carb material, micro mic, fnly dissem  
 pyrite r thin calc ss lam, inter lam w/brn sh and blu-gry aren. ls  
 @ base, lam, curved, irreg, occ ripple marked mud stone partings,  
 blocky to semi-conchoidal fracture. Free amber Gelatinous oil on  
 frac @ 5043.

5045-5054-1/2' Siltstn-sh (Interlam to gradational.) Dk gry-blk, vy hd, dnse, calc  
 & com fnly dissem pyrite, micromic, scat carb material bec abd on brn  
 mudstone ripple marked lam, grades locally to vy arg ls, com vertical  
 fracs sh-siltstn facies has occ slaty vertical cleavage, more limy  
 facies has semi-conchoidal frac occ orange calcite on fracs. Grades  
 locally to lith ls.

5054-1/2-5056' Mudstone. Brn, firm, dolo, carb material, occ irreg ripple marked lam,  
 fnly inter lam w/vfg calc gry ss and fnly xln lt gry ls. Free amber  
 gelatinous oil on fracs, mudstone slowly bleeds gas, dull gold F. Lam  
 gen irreg poor dips 0°-5°.

Drilled 9" hole 5056' to 5117'.

December 24, 1959 to December 27, 1959

Drilled 9" hole 5117' to 5421'.

Lost circulation 5316' and 5324'.

December 28, 1959

Core #4 5421-5446' Rec. 25'. (8-7/8" hole)

5421-5421-1/2' Siltstone. Brn, hd, calc, sdy, abd lt grlike strks carb material, occ  
 lt gry pyrite silt lam ft uvllite cally cut.

5421-1/2-5432-1/2' Brn, hd silty, calc, locally dolo, abd plant carbons, com gilsonite,  
 com thin lam of gry calc siltstone. 3" interbed of siltstone - brn,  
 dnse, w hd, qtzitic com gilsonite and carb material, flat dip. occ  
 vertical open fracs.

5432-1/2-5433' Gry-brn, vy hd, dolo, silty, v fg com pyrite, carb, nosf

5433-5435-1/2' Siltstone. gry-brn, dolo, dh, tite w/strks & irreg pods of cream ls @  
 33-1/2-34, 11° dip on prob & bedding.

5435-1/2-5437' SS, , lt gry-brn vy hd, qtzitic conglomeratic angular pebbles to 1/4"  
 of green sh, chert qtz, in fg silty qtzitic ss matrix, app pocket fill  
 enclosed in brn silty calc sh w/irregular contacts, becomes less cgl w/  
 depth & floods of carb material incl gilsonite @ base.

5437-5442-1/2' Siltstone gry-brn, vy hd, dnse, calc w/thin irreg layers of brn silty carb  
 sh.

5442-1/2-5444' SS, Bry-gry, vfg vy hd, tite qtzitic, com pyrite, nosf, dull yv  
 uvllite cally cut

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

December 28, 1959 (cont.)

5444-5445-1/2" Siltstone, gry-brn, hd, quartzitic, an  
 5445-1/2-5446 SS, brn-gry, vfg, vy hd, tite, quartzitic, AA Ft yw uv lite  
 caly cut

December 29, 1959 to January 8, 1960

Drilled 9" hole 5446' to 6121'.

January 9, 1960

Core #5 6121-6137' Rec. 16'. (8-7/8" hole)

6121-6123' Pebbly SS, blu-gry, fn-crse grnd, hd, tite, well cement'd, calc, matrix  
 w/avg to rdd pebbles to 1/4" of qtz, buff ls, gry silty sh, irreg  
 vuggy por, prob not connected. Ft odor, dull brn, banded to unev stain,  
 dull gold F amber cut.

6123-6127' Oil stained SS, f-vfg sub-rd, vy hd silty, tite, calc, thin lam of carb  
 material, vert frac, ft odor, med brn ev stain, dull gold Flv

6127-1/2-6127-3/4' Oil Stained SS, AA begg med fn grnd w/scatt pin point vuggy por @  
 6129'. Stain F, AA vertical open frac to 6135'.

6129-3/4-6130-1/2' Siltstone. Med gry, vy hd tite well cement'd vy calc, swirled lam of blk  
 silt.

6130-1/2-6131 Siltstone, sdy, hd tite, calc, well cement'd. Ft odor ev brn stain, dull  
 gold F, yw cut

6131-6135-3/4' Oil stained SS, fn-vfg hd, tite, well cement'd grns sub-hd, com interstitial  
 silt & arg material, ft odor, dull brn ev to unev stain, ev dull gold F,  
 yw cut.

6135-3/4-6137' Siltstone, brn-gry, irreg bedded & color banded, occ, thinly interbed w/  
 brn cal sh @ base. Thin lam & occ 3" wedges of vfg gry calc SS thin  
 strks of gly arg ls irreg, Ang contact w/overlying SS. Scatt pyrite  
 com carb strks. R shell impressions.

DST #1 (6095-6137') Initial shut in 30 min, open 1 hr 25 min, final shut in 45 min.  
 B&O testers on dry 4-1/2" drill pipe with 447' d.c.s. Set packers at 6090' and 6095'.  
 Took 30 min initial s.i., 1 hr 25 min flow test, and 45 min final s.i. Med strong  
 blow 15 min. Weak balance, gas to surf 55 min. Rec 930', 180' gas cut shi oil flecked  
 mud, 750' muddy salt water w/occ oil flecks.

Pressures	IN	ISIP	IFP	FFP	FSIP	FI
Top	3025	2695	103	515	2664	2883
Bottom	No good.					

BHT 158°F

January 10, 1960 to January 16, 1960

Drilled 9" hole 6137' to 6545'.

Lost circulation from 6256 to 6269'.

January 17, 1960

Core #6 6542-6557' Rec 15' (8-7/8" hole)

6542-6544 SS. lt tan, v f gn subang, well sort calc com, irreg laminated bdd, w/s  
 x lamin, dns, Ti, near vertical open fracture w/s scattered calcite  
 xtals, dull gold fluor, excellent bit yell cut fluor, slowly bleeding  
 gas from fractures.

6544-6547-3/4' Shale, v calc, dk brn, v fn lamin sl x lamin, some irreg retextalized lt gy  
 lime stringers (3/4") sl carb plant fossil on bdd planes, faint dull  
 gold fluor fair pale yell cut fluor. (Low grade oil shale?)

6547-3/4-6548-1/2' Ls, aren. lt tan & gy, irreg bdd, some scour & fill - filled with  
 shale, irreg bed (1/16") of carb material - coal? No nat fluor  
 some min fluor, some pale yell cut fluor, dense, hard, Ti.

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

January 17, 1960 (cont.)

6548-1/2-6549-3/4' Ss, lt tan, v f to f gn, subrad, fair sort, calc cem sli friable, lamin bdd, poor poros, even med brn oil stn. Continuously bleeding black oil & gas thruout section, good dull gold nat fluor, excell drk brn cut, excell streaming br yell cut fluor.

6549-3/4-6551-1/2' Shale, as above. (6544-6547-3/4')

6551-1/2-6552-3/4' SS, lt tan, v f gn subang well sorted, calc cem lamin, bdd dense, Ti poor poros continuously bleeding blk oil and gas thruout section, even brn oil stn, pale yell fluor, good brn cut, excell streaming brt yell cut fluor

6552-3/4-6557' Shale as above (6544-6547-3/4').

Drilled 9" hole 6557' to 6590'.

January 18, 1960 to February 5, 1960

Drilled 9" hole 6590' to 7426'.

February 6, 1960, February 7, 1960

Core #7 7444 to 7493' Rec. 49' (8-7/8" hole)

7444-7448' Sh, med-dk gy-gy grn, calc, vhd, dns rare-com pyr, plty lam, some x-lam.

7448-7450' Sltst, med gy, arg, vcalc, dns, vhd, ti grd to sh below.

7450-7453' Sh, med gy, calc, msv, vhd, dns.

7453-7455' Sltst, med brn, arg?, v calc, dns, hd, ti w abd thn blk sh interlam - some sh lam give fr gold cut flsnt & fr cut med brn oil.

7455-7457' Ss, med gy, v fgn, sang, fr-gd sort, tr-5% dk gns, wl calc cem, vhd, dns, ti, tr scat por in thn zones, fr-gd dl yel flant, fr cut flsnt particularly in lam or frac, tr bleeding oil and gas in one or two stks.

7457-7460-1/2' Sh, med gy, calc w thin stks slts aa.

7460-1/2-7462' Sltst, med gy-grn, calc cem, v dns, hd ti, tr dk brn gas-brittle-oil residue?, var thn stks give dl gold flsnt, fr-gdgrnh cut flsnt.

7462-7472' Sh, dk brn-gy, val calc, lam, v dns, hd, v dl brn flsnt, no cut flsnt.

7472-7473' Sltst, med gy-brn gy, calc cem, v dns, hd, ti 2' sh, dk brn aa.

7473-7479' Ss, med gy-brn gy, v fgn, slty, arg? random ang med-crs gns of ls, qtz & sh, tr oil stn-scat, scat fr-gd flsnt, scat gd wh-yel cut flsnt. Gd oil stn thru, gd dl yel flsnt & gd wh-yel cut flsnt.

(7477-7478') Sltst, med gy-brn, dns, hd, ti.

7479-7479-1/2' Ss, cglte, med-dk gy, v fgn, pr sort, ang grnds & crs gns-dk gy sh, ta cal sh, dk gy ls, qtz etc, sl scat cut flsnt.

7479-1/2-7480-1/2' Sltst, med gy, calc cem, v dns, hd, ti NOSCF.

7480-8473-1/2' Sh, med-dk gy, tr dk brn, sl calc, sl-mod slty, dns, he, thn stks brn gy sltst-irreg & gradational.

February 8, 1960 to February 14, 1960

Drilled 9" hole from 7493' to 8045'.

February 15, 1960

Ran Schlumberger IIS Log, Microlog, Sonic log caliper log.

Ran Schlumberger wire line test of 7847'. No recovery, no formation pressure.

Ran Schlumberger wire line test of 5620. Rec. 1100 cc water, 2475 psi formation pressure.

Drilled 9" hole from 8045' to 8064'.

February 16, 1960

4-1/2 hrs running continuous velocity logs for Pan American.

Reaming hole and conditioning mud.

February 17, 1960

Reaming hole and conditioning mud.

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

February 18, 1960

Reaming hold and conditioning mud.

February 19, 1960

Started running 7-5/8" casing.

February 20, 1960

HOWCO cemented 7-5/8" casing @ 8064' with 125 sack common cmt, treated with HR4. Used one bottom and two top rubber plugs. Displaced cmt with rig pump. Finished displacing with HOWCO. Bumped plugs with with 1800#. Bled off. Float collar held o.k. Pr. up to 600#. Closed in. Cmt in place @ 5:20 P.M.

Casing detail:

Bottom:	2,246.39'	7-5/8" 29# N-80 2 step hydril thread csg.
Top	5,821.14'	7-5/8" 29.7# extreme line casing.
	<u>8,067.58'</u>	

February 21, 1960

Hooked up BOPE and tested to 1000 psi.

Layed down 4-1/2" drill pipe.

Picked up 3-1/2" drill pipe.

February 22, 1960

Drilled out float and shoe. Conditioned mud.

February 23-February 26, 1960

Drilled 6-5/8" hole from 8064' to 8350'.

Ran HOWCO tester on 3-1/2" D.P. Packers did not hold.

February 27, 1960

DST #4, Interval 8064-8350'. Shut in 1/2 hr, flow 2 hrs. Final shut in 1 hr. Gas to surface in 10 min. Fluid to surface in 52 min. Steady blow gas decreasing in 1 hr to fair blow gas and salt water by heads until end of test. No oil, gas methane only. Pressures: IHP 4090, ISIP 3465, IFP 755, FFP 3362, FSIP 3465, FHP 4090.

February 28, 1960 to March 8, 1960

Drilled 6-5/8" hole from 8350' to 8864'.

Had considerable running shale trouble from 8433' to 8864'.

Shot 4 - 1/2" bullet holes at 7960' using McCullough wire line. Checked collars at 7644, 7686, 7728, 7768, 7810, 7852, 7894, 7935, 7978-7980 F.C. and 8020'.

March 9, 1960

Attempted Halliburton WSO test on holes in 7-5/8" csg. Set straddle packers at 7940 and 7981 and pkr failed. Reset pkrs at 7932 and 7973'. Pkr again failed, reset pkrs at 7947 and 7988' and pkr again failed.

Halliburton WSO test on holes at 7960'. Set straddle pkrs at 7940 and 7981' with tail to 7985'. Opened tool at 8:26 A.M., open for 1 hr test. Had a puff blow of air for 3 min and dead remainder of test. Rec 10" rise in 5" OD D.C. All drilling fluid weighing 9.2#/gal. Ditch sample tested 2.9 ohm at 78°F and sample at tool tested 3.7 ohm @ 55°F. WSO test on holes at 7960' o.k. by Company test.

Tool assembly: Bar type backcuttling valve 389' above tool; 5" dual CIP valve H, drospring tester 5/8" bean; B.T. case; Bowen ITCO jars, TIW safety sub; Type "C" 6" OD pkr 41'-4-5/8" and 5" OD perforated D.C. including BT case; Type "C" hookwal pkr PRD recorder below bottom pkr.

Pressures:	IH	IF	FF	FH
Top	3785	0	0	3785
Middle	3848	35	35	3848
Bottom (Below Bottom pkr)	4000	3850	3850	4700

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

March 9, 1960 (cont.)

Drilled 6-5/8" hole from 8864' to 8891'.

March 10, 1960 to March 19, 1960

Drilled 6-5/8" hole from 8891' to 9637'.

Had considerable heaving shale trouble in above interval.

Ran Schlumberger IES, Microlog and sonic log from 8865 to 9637'.

March 20, 1960 to March 31, 1960

Drilled ahead in 6-5/8" hole from 9637' to 10,119'.

Ran Schlumberger IES, Sonic, Microlog, and dipmeter logs from 10,119' to 9637'.

April 1, 1960

Ran Velocity survey logs.

Reamed and conditioned hole.

April 2, 1960

Reamed and conditioned hole.

April 3, 1960

Reamed and conditioned hole.

April 4, 1960

Cemented 5" 18# liner at 10,117', top at 7861', with 390 sac cmt treated with 0.4% HR4 retarder x 58 bbls water to mix 13.5 15# slurry. 97 bbls mud to displace to 200' of liner shoe. Thru 3-1/2 D.P. with 2-7/8 tubing stinger equipped 2 rubber cups 15' in liner @ 7876'. Cmt FRS 1000# to 3000#, Final. Cmt in place 10:45 P.M. Fl'd to 7806'. Back scuttle out. No cmt.

Casing detail: All 2256' is 75 jts 5" 18# N-80 new casing with Baker Guide Shoe on bottom, float collar 3 jts up, and Burns liner hanger on top.

April 5, 1960

Picked up 2-3/8" drill pipe. WOC.

April 6, 1960

Ran bit and casing scraper, cleaned out cement stringers from 9757-9900'. Drilled out cement from 9900' to 10,041'.

April 7, 1960

Ran McCullough gamma correlation log in 5" csg from 10,041' to 8064' w/collar locator. Perf'd 4 holes @ 9710' with Standard es 8 jet.

Test #1 in 5" liner HOWCO. Ran tester on 2-3/8" and 3-1/2" DP - 720' water cushion.

Test tools consist of TC valve Hydraulic testing tool 3" Bowen ITCO jars. RTIS pkr, safety sub, 2 recorders. Set pkr @ 9680', tail @ 9692'. (Open for 1 hr test) @

10:55 A.M. Weak blow for 5 min, dead. After 30 min reopened tool, dead. Id'd.

Rec. 720' water cushion, 520' drlg fluid. Charts showed tool open and o.k.

Pressures: IH 4395; IP 415, FP 415, FE 4375.

McCullough perforated intervals 9714-9780', 9805-9816', 9885-9895', 9975-9995' with 4 - 1/2" jets per foot.

April 8, 1960

DST #5A: Misrun, packer at 9670', test of perfs 1) 9714-9789, 2) 9805-9816, 3) 9885-9895, 4) 9975-9995, FBTD 10,041'. Tool opened with faint blow decreasing slowly to dead in 22 minutes. Closed tool at 1 hour. Picked up to open by-pass valve. Re-opened for 15 minutes - no blow. Recovered 720' water cushion and 120' of rathole mud = 1/3 bbl. Tool parts plugged by 1/4 to 1/2" pieces of magnesium alloy csg jet housings. Shut in for 1/2 hr. Hydrostatic pressure - 4400#/sq. in.

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

April 9, 1960  
Conditioning mud.

April 10, 1960

DST #5. Packer at 9670' test of perfs 1) 9714-9780', 2) 9805-9816', 3) 9885-9895', 4) 9975-9995', FBTD 10,041'. Tool opened with very weak blow, decreasing slowly to dead in 16 minutes, dead for remainder of 60 minute flow period. (Tool opened 2:15 A.M., closed 3:15 A.M.) Shut in for 45 minutes. Recovered gross 1320' = 120' drilling mud on top of cushion, 720' water cushion, 480' rat hole mud. Pressures: IH 4400, IF 370, FF 395, Shut in press 540, FH 4400. Charts o.k. Test o.k. except for leak in drill pipe giving 120' drilling mud on top of cushion.

McCullough perforated 4 - 1/2" holes in 5" liner at 9300'.

Ran HOWCO tester on 2-3/8 and 3-1/2 D.P. 270' water cushion. Set pkr in 5" liner @ 9280' for 1 hr test, opened tool at 5:05 P.M. Light blow increasing to heavy blow for 1 hr. Closed in for 30 min. Fl'd, rec 6200' rise. Found hole in D.P. between 12th and 13th std 2-3/8 D.P. Water cushion on bottom - tool did not open, test no good.

April 11, 1960

Ran HOWCO WSO test on 2-3/8 and 3-1/2 D.P. with 270' water cushion, Set in 5" liner at 9265'. Shot holes @ 9300'. Opened tool @ 2:30 A.M. for 1 hr test. Light blow for 2 min, increasing to heavy blow end of test. Fl'd, found fluid @ 6030', found hole in 2-3/8 D.P. Cushion @ tool. Misrun.

April 12, 1960

McCullough shot 4 - 1/2" jet holes at 9265'.

McCullough shot 4 - 1/2" jet holes/foot 9305-9332', 9352-9374', 9398-9418'.

HOWCO ran tools on 2-3/8" and 3-1/2" D.P. Set pkrs in 5" liner at 9265' to test 4 - 1/2" holes @ 9300'. 1 hr test. Opened tool at 12:07 A.M. Weak blow for 30 min, dead remainder of test. Fl'd. Rec 120' gassy oily drlg fluid. Remainder 270' water cushion. Pressure: IH 4140, IF 210, FF 210, FH 4140. Charts ok. Test conclusive. DST #6, packer at 9265' test of perfs 9305-9332', 9352-9374', 9398-9418'. Tool open 2:00 P.M., closed 6:30 p.m. Shut in 90 min. Opened with good blow, decreasing to faint in 2 hrs, increasing slightly at end of test. GTS in 9 min, fluid to surface in 2 hrs 40 min. Gauged 20 MCF/day and water at 20 bbl/hr rate. Formation water = 1.3 ohm @ 18°. Pressure: IH 4300, IF 515, FF, 3780, SIP 3885, FH 4195. Test o.k., charts o.k.

April 13, 1960

Set Baker bridge plug at 9216', capped with 1 sack cement.

McCullough perforated intervals 9136-9144 and 9153-9165'.

Test #7, HOWCO set pkr in 5" liner @ 9086. Test intervals 9136-9144', 9153-9165'. Open tool @ 12:35 P.M. for 3:15 min flow, 1-1/2 hrs final. Strong blow decreasing to very faint blow in 8 min. Gas to surface in 2:40 min to weak to gauge. Fl'd, rec 2756' gross fluid, top 270' very gassy sli oil stain, remainder muddly gassy water to water @ tools. Charts o.k. Pressures: IF 80, IH 4195, FF 1190, FH 4195, SIP 4090.

April 14, 1960

Drilled out BP at 9216'. Cleaned out to 9760'.

Cmt Flg #1. Ran 1901' 2-3/8" tubing - 7841' - 3-1/2" D.P. 2-3/8" open end tubing @ 9742'. HOWCO equalized 40 sax Ideal common cement - treated with .04% RHR retarder. Mixed .15 slurry. 5 bbls water ahead, 2 bbls behind. 62-1/2 bbls to displace. Cmt plug in place @ 3:45 P.M. Found top cmt @ 9272' @ 9:45 P.M. Cmt Flg #2. HOWCO equalized 30 sax Ideal common cmt treated w/.04% RHR retarder w/open end 2-3/8 tubing hung @ 9268', mixed .15# slurry - 57 cu ft mud to displace. Used 5 bbls water ahead, 2 bbls behind. Cmt in place @ 10:15 P.M. Fl'd to 8728'. Back scuttle out. Fl'd to 8698'. Closed GIC head. Pressure up to 1000# for 6 hrs.

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

April 15, 1960

Located top of cement plug at 8990'.

McCullough perforated interval 8820-8821' with 4 - 1/2" jet holes.

WSO #4, packers at 8775', test of perfs at 8820-8821'. Tool opened at 1:57 A.M.

closed at 2:57 A.M. Opened with very weak blow - dead in 8 min, dead for remainder of test. Recovered 30' drilling mud. IH 4195, IF 30, FF 30, FH 4195, charts o.k., test o.k.

April 16, 1960

McCullough perforated 4 jet holes per foot in 5" liner 8650-8700'.

WSO #5, packer at 8460', test of perfs at 8484-8485'. Tool opened at 11:00 A.M., closed at 12:00 A.M., shut in 30 min. Tool opened with fair blow, increasing slt to moderate - continuing to end of test. No GTS. Recovered 110' gross. 90' drilling mud and 20' very heavily gassy and heavily oil cut mud. IF 80, IH 4145, FF 105, SIP 1090, FH 3990, charts o.k., test o.k.

April 17, 1960

McCullough ran 50' strip to shoot hole in 5" liner 8600-8650. Misrun. Reran 50' strip. Couldn't get down in 5" liner to 8600, pl'd, left 32 jet shots in hole. Ran bit and reamer to bottom, cir 3 hrs, pl'd.

McCullough ran 20' strip, perf'd 2 holes per foot in 5" liner 8630-8650'.

April 18, 1960

McCullough ran 50' strip to perf 2 holes per ft in 5" liner. Had misrun. Reran strip. Couldn't get in liner. Pl'd, checked, added extra wt on strip. Had misrun. Then reran and perf 2 holes per foot 8580-8630', 8530-8580'.

DST #8, packer set at 8460', test of perfs @ 8530-8700', 8730-8798', Open @ 5:40 A.M. for 4 hr flow and 2 hr shut in. Fair blow immediately decreasing to weak at end of test. GTS in 20 min. No fluid to surface. Rec 1918' gross - 90' drilling mud gas cut, 1778' very heavily gas cut black oil, 50' drilling mud. IH 3910, IF 262, FF 728, SIP 2949, FH 3885, charts o.k., test o.k.

April 19, 1960

WSO #6 test of 5" x 7-5/8" splice. Set pkrs at 7899' and 7835'. Opened tool at 2:30 a.m., open less than 1/2 min when pkrs failed. Reset pkrs at 7895 and 7835' and opened tool at 2:35 a.m. Open 1 hr, had a steady declining blow of air (est 15 M/D - 1/2 M/D) to weak at end of 1 hr test. NGES. Rec 1350' rise, top 270' gassy mud with scum oil. Next 810' slightly gassy mud w/occ spots oil. Bottom 270' thick mud. Samples 1350, 1000, 830, 720 and 90' above tool end at tool tested 3.2, 2.10, 2.10, 1.50, 1.50 and 1.1 ohmmeters at 60°F. Ditch sample tested 3.2 ohmmeters at 60°F. Pressures: IH 3755, IF 262, FF 573, FH 3755. Left bottom pkr in hole and 31' of 2" tubing from 7861' to 7902' with bent and doubled over 2" tubing locking up.

April 20, 1960

Ran 4-1/8" OD concaved 45% mill. Milled from 7861-7865' on 2-3/8" tubing fish. (Fish consists of 30' 2-3/8" tubing, hockwall pkr set in 5" liner @ 7895 and 1 bottom bomb @ 7900'). Pulled mill. Ran 3-5/8" OD x 2-3/8" ID over shot. Worked down over 2-3/8" tubing fish 7865-7869. Slanted out with fish. Lost fish slips in overshot worn out.

April 21, 1960

Ran in hole with Bowen ITCO 3-5/8" OD x 2-3/8" ID overshot, found top of fish 7900'. Took hold of fish. Worked out of 5" liner @ 7861. Pl'd, rec 41" spiraled 2-3/8" tubing around overshot. Picked up 1146' of 2-1/2" tubing. Ran in hole with 4-1/8" OD 45% concaved mill. Set on fish @ 7865', pushed 2-3/8" tubing fish, HOWCO pkr and bomb down hole to 7990', milling on fish.

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

April 22, 1960

Milled on 2-3/8" tubing fish in 5" liner 7990-7997'. Then fish started down 5" liner. Pushed and milled down to 8869'. Fish left in hole 23.40' - 2-3/8" tubing - 7.60' HOWCO pkr and bomb. Total fish 31.00'. Top fish @ 8869', bottom fish @ 8900'. 4-1/8" concaved milled calipered 4-1/16" OD.

Ran McCullough 3-15/16" OD junk feeler to top fish 8869'. O.K.

Ran and shot 2 - 1/2" st'd csg jet holes in 5" liner 8790-8730'.

Ran Baker wireline bridge plug on McCullough line. Set in 5" liner at 7920', then McCullough layed 1 sack cement on bridge plug @ 7920'. Going in hole with HOWCO tester.

April 23, 1960

WSO Test #6 of 5" x 7-5/8" csg - liner lap. Set pkr 7800', open tool @ 1:05 A.M. for 1 hr test 30 min S.I. pl'd, rec 4146' rise, 1620' drlg fluid, 450' drlg mud w/traces of oil, 900' salt water w/traces of oil, 1170' salt water, top of tools. Pressures: IH 3735, IF 2850, FF 1678, FSI 3365, FH 3695.

Ran HOWCO RTTS retrievable retainer on 3-1/2" Reed IF DP. Set retainer in 7-5/8" casing at 7700'. Squeezed 100 sack Ideal cement. Displaced w/62.5 bbls fluid 4 bbls water, remainder drlg fluid. 10 min stages 1/2 bbl - 1000#, second stage 1/2 bbl - 1300#, 3 stage pumped slow - 1000# dropped to 700# let set 30 min. Pressured up to 2200# let set for 1 hr, pressured up to 3250# w/no displacement of fluid.

April 24, 1960

Cleaned out cement from 7772 to 7861'.

Test WSO #7, ran HOWCO tester on 3-1/2 DP dry set in 7-5/8 csg @ 7800'. Test liner lap for 1 hr, opened tool @ 9:50 P.M. Weak blow for 2 min, dead remainder. Pl'd, rec 5' drlg fluid. HP 3735, IF 0, FF 0, charts o.k.

April 25, 1960

Drilled out cement and bridge plug from 7861-7921'.

Ran 5" casing scraper and cleaned out to 8869' (top of fish).

April 26, 1960

Ran 2" and 2-1/2" tubing to 8823'. Drifted all 2-1/2" tubing.

April 27, 1960

With tubing hanging at 8823' displaced mud with water by pumping down 7-5/8" x 2-1/2" annulus.

Pulled up and landed at 8477'. 2" PSN @ 8416' and 2-1/2" PSN @ 7468'.

2" and 2-1/2" tubing detail:

Top		13.25'	KB - tbg head
Next		.50'	tubing donut
Next	236 jts	7,454.25'	2-1/2" EUE 6.5# N-80 new CF&I tubing.
Next		.76'	2-1/2" PSN
Next	1 jt	31.89'	2-1/2" EUE 6.5# N-80 tubing
Next		.88'	2-1/2" Baker L.H. safety jt.
Next		1.04'	2-1/2" x 7-5/8" Page Hydraulic tbg anchor
Next		.78'	2-1/2" x 2" X over
Next	29 jts	912.64'	2" EUE 4.7# N-80 new CF&I tubing
Next		.75'	2" PSN
Next	1 jt	30.11'	2" EUE 4.7# N-80 tubing
Bottom	1 jt	30.38'	2" EUE 4.7# N-80 slotted gas anchor.
Total	268 jts	8,477.23'	

Ran production string rods.

84 - 3/4" plain rods

80 - 3/4" Huber rods

76 - 7/8" Huber rods

94 - 1" Huber rods

1 - 1" x 10' Pony rods

1 - 1" x 6' pony rods

1 - 1-1/2" x 22' polish rod

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

April 27, 1960 (cont.)

Rig released at 6:00 P.M. 4-27-60.

June 10, 1960

R&amp;R moved workover rig on location and rigged up.

June 13, 1960

Pulled rods and pump. Lost 3 cups on pump.

Pumped 30 bbls Rangely crude down tubing.

June 14, 1960

Pulled tubing out of hole.

Ran Baker full bore packer on 2" and 2-1/2" tubing.

Bottom	7 jts	215.43'	2" UE 4.7# J-55
Next		6.35'	Baker full bore pkr.
Next	30 jts	944.28'	2" UE 4.7# N-80
Top	236 jts	7,454.25'	2-1/2" UE 6.5# N-80

Pkr set at 8404.88' + 8.25' KB to tubing = 8413.13'

Filled hole with 350 bbl Rangely crude.

June 15, 1960

Pumped in 750 gallons Dowell mud acid followed by 1200 gallons Dowell 15% HCL acid w/ unloader open. Circ pres 500 psi. Closed unloader and pumped in 800 additional gallons 15% HCL. Max pres 2300 psi. Shut down 15 mins. Ist. S.I. 1000 psi. Pres. bled to 0 psig in 10 mins. Pumped in 47 bbls Rangely crude flush & BPM at 2300 psi, 5 BPM at 2700 to 2900 psi. Pres inc thruout. Flush. Ist shut in 1700 psi, pres bled to 400 psi in one hour.

Swabbed fluid level to 4300' in 10 runs. Next 3 hrs swabbed approx 30 bbls Rangely crude and acid w/considerable acid gas after each run. Fluid level at 4300'. With fluid level from 4300' to 4800' swabbed Rock Creek Crude, gas, and acid (?) water, approx 25 bbls, 50% cut water, in two hours. At approx 3 PM the fluid level suddenly jumped to 2200'+. Attempted to fill annulus to check pkr and splice. Pumped 45 bbl BF in annulus w/70 psi to 800 psi at end. No circ. Opened unloader and circ w/300 psi. Closed unloader. Put 1000 psi on annulus, bled off to 950 psi in 10 mins, no circ. Pull out of hole. Bottom pkr rubbers torn up.

June 16, 1960

Ran new Baker up-strain full bore on 2-1/2" and 2" tubing and set at 8383'. Filled hole with oil.

Dowell pres tested 7-5/8" x 5" splice to 4000 psi, held o.k. for 15 mins.

Pulled tubing and packer out of hole.

Ran 2" and 2-1/2" tubing with notched collar on bottom and hung in frac head.

Bottom 1160', 2" N-80 and J-55 tubing

Top 6640', 2-1/2" N-80 tubing

Hung at 7800'

June 17, 1960

Dowell sand-oil squeezed perforations 8530-8798' down 7-5/8" x 2-1/2" annulus w/20,000 gallons burner fuel #5 20-40 ottowa sand 2#/gal thruout (total 40,000#) using 4 Allison's. Pumped in 20,000 gallons at 3300 psi, when sand went on pres went to 3450 psi. Flushed with 310 bbl fresh water at 3450 psi. Developed leak on 8" ser 900 to 6" ser 1500 spool, dropped pres to 3000 psi. Avg rate 28.5 BPM. Ist S.I. 2000 psi. Lowered tubing and well std plug. Pumped in and circ water for two hours. Shut off pump, well unloaded water in 20 mins, flowed oil and gas for 6 hours. Flowed 159 bbls in tank and + 50 bbls to sump. Closed well in for night.

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK UNIT

June 18, 1960

Ried off pressure (400 psi) and flowed well to stock tank for 1-1/2 hrs made 28 bbls.  
Well died and pump 10 bbl water into tubing.

Lowered tubing and cleaned out sand to 8869'. Well flowing back.

Ran production string tubing and landed at 8477'.

Tubing detail:

1 - 2" N-80 G.A.	30.38°
1 - 2" N-80 jt	30.11°
1 - PSN	.75°
29 jts 2" N-80	912.64°
Changeover to 2-1/2" N-80	.78°
1 - Page anchor	1.04°
1 - Baker S.J.	.88°
1 jt 2-1/2" N-80	31.89°
1 - PSN	.76°
236 jts 2-1/2" N-80	2,454.25°
K.B.D.	13.25°
	<hr/> 8,476.73°

June 19, 1960

Ran production string rods. Hung well on.

Rod detail:

1 - 22° P.R. 1 - 6" 1-8" x 1"  
 94 x 1" x 25° W.H.  
 75 x 7/8" x 25° W.H.  
 81 x 3/4" x 25° W.H.  
 84 x 3/4" x 25° P.  
 R.C. #1 Bottom - 3 cup 2"  
 R&R Well Service released.

July 11, 1960

R&R Well Service moved workover rig on location and rigged up.

July 12, 1960

Respaced pump. Hung well on.

July 13, 1960

R&R moved off.

July 30, 1960 to August 5, 1960

Spent in routine well pulling work.

September 5, 1960

R&R moved workover unit on location and rigged up.

Unseated pump, hot oiled down tubing.

Started to lay down rods in singles.

September 6, 1960

Finished laying down rods and pump.

Installed BOPE. Mixed 120 sx gel, 460 bbls mud and circulated hole. Used Halliburton equipment.

Started out of hole with tubing.

September 7, 1960

Finished pulling tubing. Layed down Page Anchor, gas anchor, 2" PSN and 2-1/2" PSN.

Rung 2" and 2-1/2" tubing open ended at 8850'. Circ. hole. Pumped in 10 bbls water, mixed 30 sax common cmt w/0.4% HR-4 and pumped in hole, followed with 2 bbls water and 48 bbls mud. Cmt in place at 2:45 P.M. Used Halliburton equipment.

WELL NO: 34-19A (1)

PROPERTY: Section 19

ROCK CREEK FIELD

September 7, 1960 (cont.)

Pulled tubing to 8250' and reverse circ out approximately 1/2 bbl cmt.

September 8, 1960

Located top of firm cmt at 8540'. Circ. hole at 8530' to cond. mud.

With open end tubing hung at 8530', pumped in 8 bbls clear water mixed and pumped in 30 sax common cmt w/0.4% HR-4 at avg slurry wt of 15.2#/gal, followed with 2 bbls water and 46 bbls mud. Cmt in place at 7:55 A.M.

Pulled tubing to 7930' and backsacuttled out approx 0 bbls excess cmt. Circ hole at 7930' for 3 hrs. Tagged top of firm cement at 8230'.

September 9, 1960

Layed down tubing in singles.

Filled hole with mud.

Removed tubing head, flanged on 13-3/8" head with 4" x 7" riser, 4" valve, and bull plug. R&amp;R moved off.

Well abandoned 9-9-60.

R. H. SELF