

FILE NOTATIONS

Entered in NID File Entered On S R Sheet Location Map Pinned Card Indexed IWR for State or Fee Land Checked by Chief R.D.Copy NID to Field Office Approval Letter Disapproval Letter

COMPLETION DATA:

Date Well Completed 2-16-61

OW _____ WW _____ TA _____

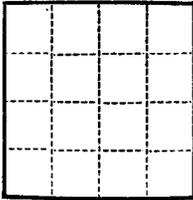
GW _____ OS _____ PA Location Inspected H.L.C.

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log 3-8-61Electric Logs (No.) 3E E-I _____ GR _____ GR-N _____ Micro _____Lat _____ Mi-L _____ Sonic Others Gamma - NeutronCement Location



(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-07619

Unit Utah Federal 'G'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 19, 1960

Well No. 1 is located ²⁴⁴⁰~~2561~~ ft. from [N] line and 2223 ft. from ^{FWW}~~[K]~~ line of sec. 36

SE NW 36 (4 Sec. and Sec. No.) 12S - 5E (Twp.) (Range) SLPM (Meridian)
Wildcat (Field) Sanpete (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derisk floor~~ ^{ground} above sea level is 8804 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)

It is proposed to drill with rotary tools using air or aerated mud to 8500', to test the Ferron Sand expected to be encountered at approximately 8100'. Anticipated casing includes 13 3/8" OD at 500', cemented to bottom of cellar; 9 5/8" at 3200', cemented with approximately 200 sacks; and 7" OD or 5 1/2" OD at top of Ferron sand, if sand is productive.

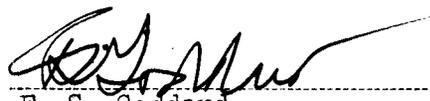
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sunray Mid-Continent Oil Company, operator; Apache Oil Corporation; Petroleum, Incorporated; and Walton-Kearns

Address 121 Patterson Building

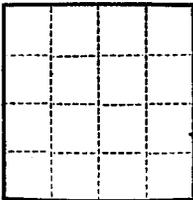
Denver 2, Colorado

Phone: AComa 2-1859

By 
F. S. Goddard

Title District Production Coordinator

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. 1-07619

Unit Utah Federal '0'

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)

Well No. 1 is located ²⁴⁴⁰~~254~~ ft. from [N] line and 223 ft. from [A] line of sec. 36, 1960
 (Field) (County or Subdivision) (State or Territory)
Wildcat Sampson Utah
 (Field) (County or Subdivision) (State or Territory)

The elevation of the ^{ground}~~water~~ above sea level is 8814 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)

It is proposed to drill with rotary tools using air or mud and to 8500' to test the Ferron Sand expected to be encountered at approximately 8100'. Anticipated casing includes 13 3/8" OD at 500', cemented to bottom of casing; 9 5/8" at 3200', cemented with approximately 200 sacks; and 7" OD or 5 1/2" OD at top of Ferron sand, if sand is productive.

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

Company Sunray Mid-Continent Oil Company, operator; Apache Oil Corporation; Petroleum, Incorporated; and Walton-Kearns

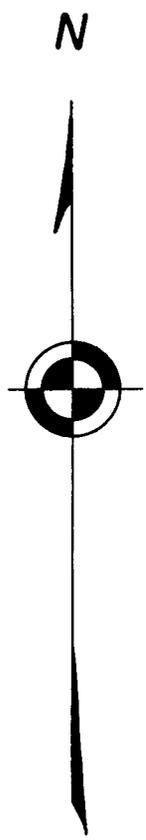
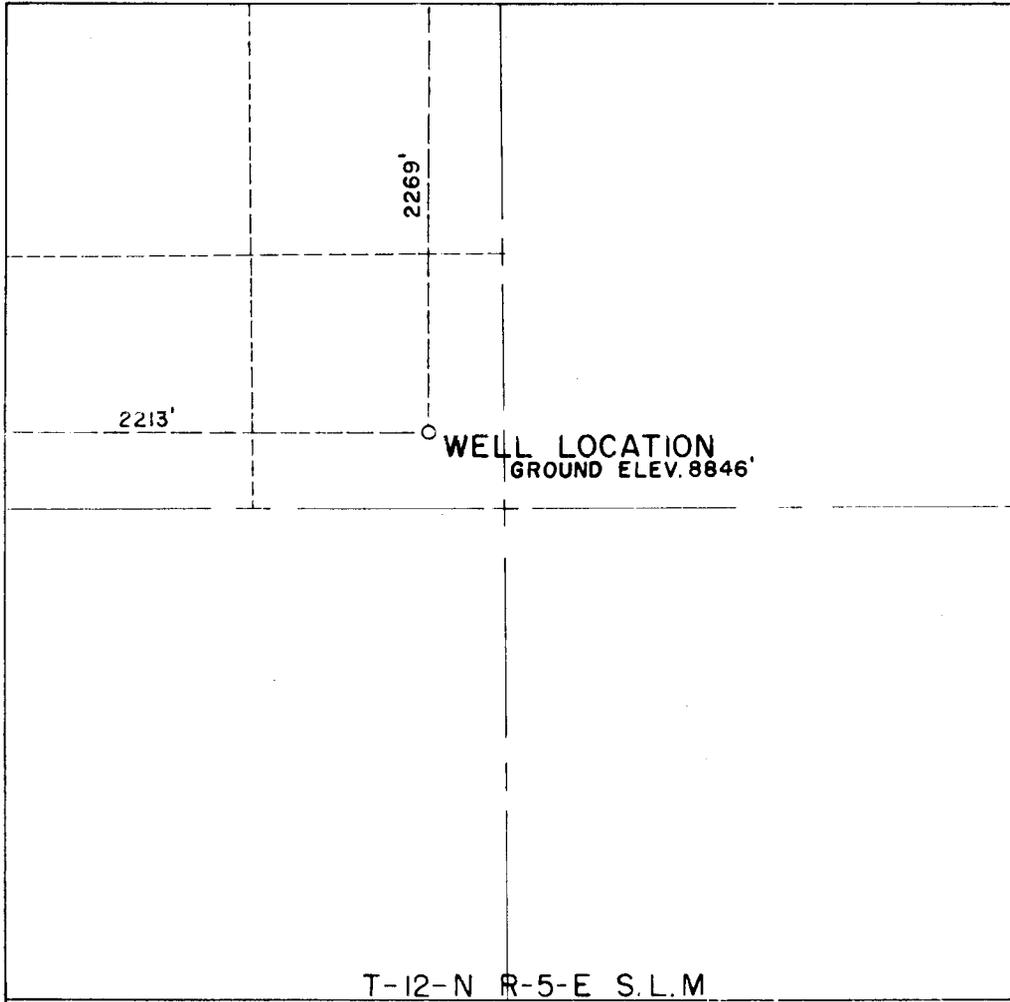
Address 124 Patterson Building

Denver 2, Colorado

Phone: ACons 2-1859

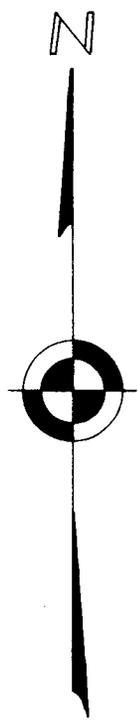
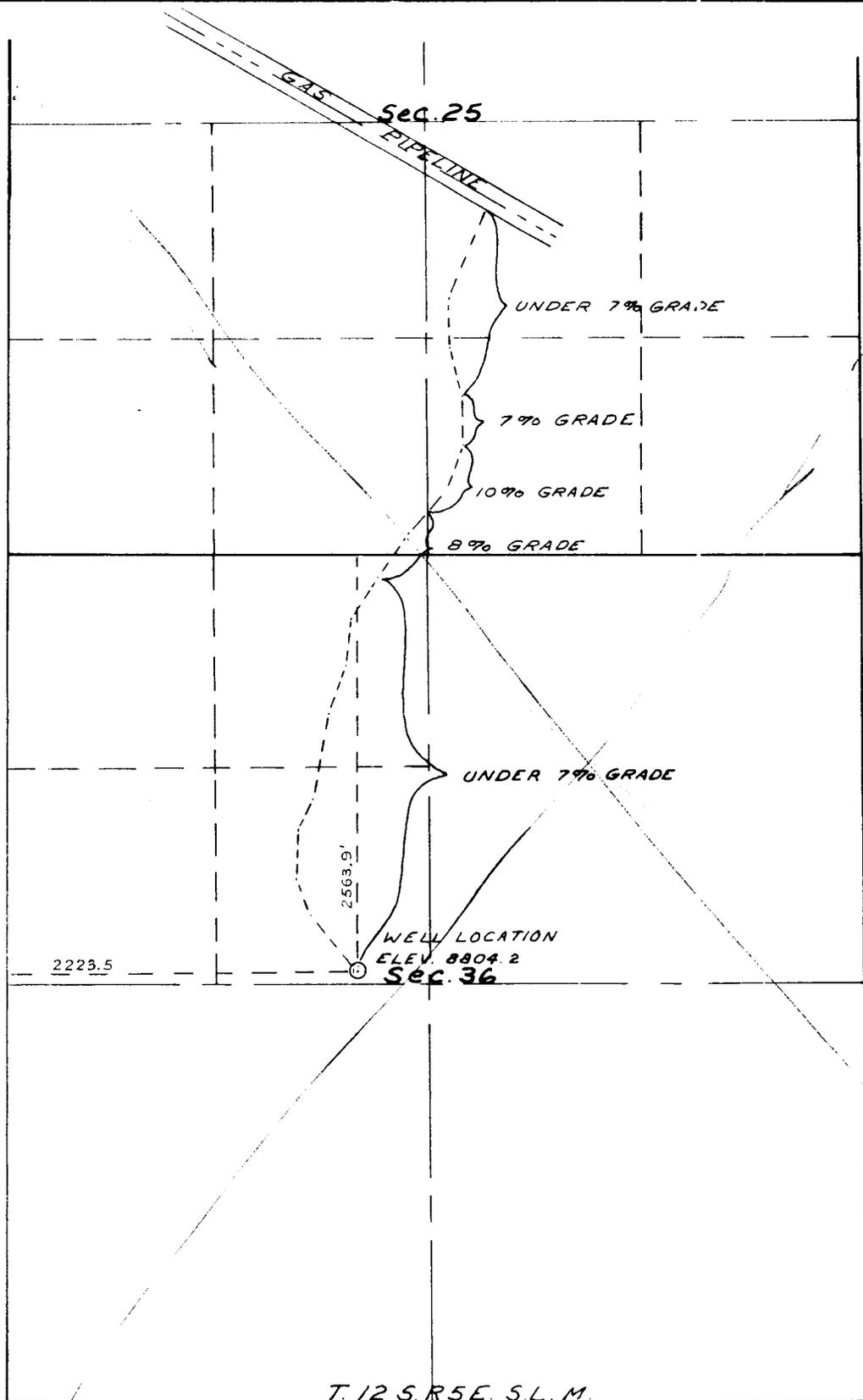
By F. S. Goddard

Title District Production Coordinator



SCALE: 1 INCH = 1000 FEET

WELL LOCATION
UTAH FEDERAL "C" #1
SUNRAY MID-CONTINENT OIL CO.
DENVER COLORADO
SITUATED IN SE 1/4 NW 1/4 SECTION 36
T-12-S R-5-E S.L.M.
SANPETE COUNTY, UTAH



SCALE 1 INCH = 1000 FEET

T.12S.R.5E.S.L.M.

WELL LOCATION
 GOOSEBERRY PROSPECT
SUNRAY MID-CONTINENT OIL CO.
 DENVER COLORADO
 SITUATED IN SE $\frac{1}{4}$ NW $\frac{1}{4}$ SECTION 36,
 T.12S.R.5E.S.L.M.
 SANPETE COUNTY, UTAH
 REFERENCE POINTS
 NORTH 200.0 - ELEV. 8831.35
 SOUTH 140.0 - ELEV. 8782.76

THIS IS TO CERTIFY THAT THE WELL LOCATION SHOWN ON THIS PLAT WAS PLOTTED 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.
 DATE SURVEYED SEPT. 16, 1960

Tom Walker
 TOM WALKER
 GLENWOOD SPRINGS, COLORADO
 REGISTERED LAND SURVEYOR
 CERTIFICATE NO 1548

SUNRAY MID-CONTINENT OIL COMPANY

424 Patterson Building
Denver 2, Colorado

September 27, 1960

United States Department of the Interior
Geological Survey
445 Federal Building
Salt Lake City 1, Utah

Attention: District Engineer

Gentlemen:

Enclosed herewith is a corrected copy of the Notice of Intention To Drill our Utah Federal 'C' #1, located in Section 36-T12S-R 5E, Sanpete County, Utah. Please note that this correction covers location of well. The well plats were submitted with the original Notice of Intention to Drill on September 19, 1960.

SUNRAY MID-CONTINENT OIL COMPANY
F. S. GODDARD

F. S. Goddard
District Production Coordinator

CC: State of Utah
Oil and Gas Commission

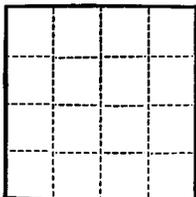
(SUBMIT IN TRIPPLICATE)

Land Office Salt Lake City

Lease No. U-07619

Unit Utah Federal 101

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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

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

..... September 27, 1960

Well No. 1 is located ²⁴⁴⁰~~2504~~ ft. from [N] line and 2223 ft. from [W] line of sec. 36

| | | | | |
|--------------------------------------|-----------|--|------------------------|-------------------------------------|
| <u>NW</u> | <u>36</u> | <u>12S -</u> | <u>5E</u> | <u>SLPM</u> |
| <small>(¼ Sec. and Sec. No.)</small> | | <small>(Twp.)</small> | <small>(Range)</small> | <small>(Meridian)</small> |
| <u>Wildcat</u> | | <u>Sanpete</u> | | <u>Utah</u> |
| <small>(Field)</small> | | <small>(County or Subdivision)</small> | | <small>(State or Territory)</small> |

The elevation of the ~~surface~~ ^{ground} above sea level is 8304 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)

It is proposed to drill with rotary tools using air or aerated mud to 8500', to test the Ferron Sand expected to be encountered at approximately 8100'. Anticipated casing includes 13 3/8" OD at 500', cemented to bottom of cellar; 9 5/8" at 3200', cemented with approximately 200 sacks; and 7" OD or 5 1/2" OD at top of Ferron sand, if sand is productive.

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

Company Sunray Mid-Continent Oil Company, operator; Apache Oil Corporation; Petroleum, Incorporated; and Walton-Kearns

Address 424 Patterson Building

Denver 2, Colorado

Phone: AComa 2-1859

By

F. S. Goddard

Title District Production Coordinator

CORRECTED

Budget Bureau No. 42-B358.4.
Approval expires 12-31-60.

Form 9-331a
(Feb. 1951)

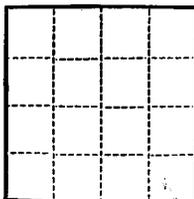
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-07619

Unit Utah Federal '0'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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 27, 1960

Well No. 1 is located 2440 ft. from N line and 2223 ft. from W line of sec. 36

NW 36 125 - SE SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Sanpata Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ ground above sea level is 1804 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)

It is proposed to drill with rotary tools using air or aerated mud to 8500', to test the Ferris Sand expected to be encountered at approximately 8100'. Anticipated casing includes 13-3/8" OD at 500', cemented to bottom of collar; 9-5/8" at 3200', cemented with approximately 200 sacks; and 7" OD or 5-1/2" OD at top of Ferris Sand, if sand is productive.

This well location is off pattern because of terrain.

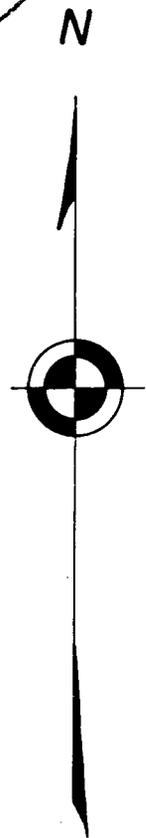
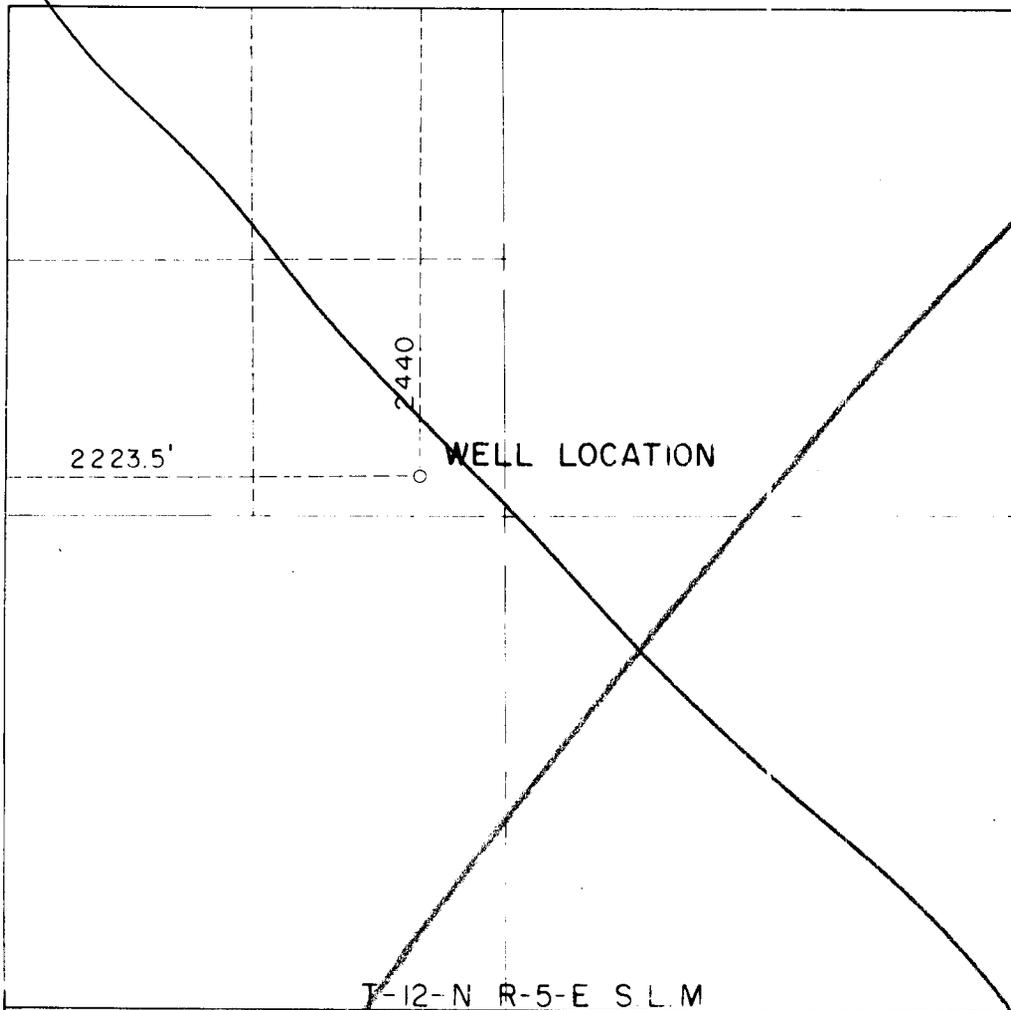
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sunray Mid-Continent Oil Company, operator; Apache Oil Corporation; Petroleum, Incorporated; and Walton-Kearns
Address 424 Patterson Building

Denver 2, Colorado

Phone: ACama 2-1859

By F. S. Goddard
F. S. Goddard
Title District Production Coordinator



SCALE: 1 INCH = 1000 FEET

WELL LOCATION
GOOSEBERRY PROSPECT
SUNRAY MID-CONTINENT OIL CO.
DENVER COLORADO

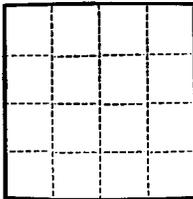
SITUATED IN SE 1/4 NW 1/4 SECTION 36
T-12-S R-5-E S.L.M.

SANPETE COUNTY, UTAH

CORRECTED

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-07619

Unit Utah Federal #01

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 27, 1960

Well No. 1 is located ²⁴⁴⁰~~2560~~ ft. from N line and 2223 ft. from W line of sec. 36

36 128 - S SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Sanpete Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derick floor~~ ^{ground} above sea level is 8801 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)

It is proposed to drill with rotary tools using air or aerated mud to 8500', to test the Ferron Sand expected to be encountered at approximately 8100'. Anticipated casing includes 13 3/8" OD at 500', cemented to bottom of cellar; 9 5/8" at 3200', cemented with approximately 200 sacks; and 7" OD or 5 1/2" OD at top of Ferron sand, if sand is productive.

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

Company Sunray Mid-Continent Oil Company, operator; Apache Oil Corporation; Petroleum, Incorporated; and Walton-Kearns

Address 424 Patterson Building

Denver 2, Colorado

Phone: AGoma 2-1859

By [Signature]

F. S. Goddard

Title District Production Coordinator

CORRECTED

Budget Bureau No. 42-R358.4
Approval expires 12-31-60.

Form 9-381a
(Feb. 1961)

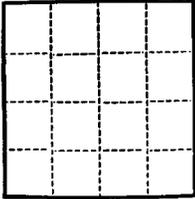
Land Office Salt Lake City

(SUBMIT IN TRIPPLICATE)

Lease No. U-07619

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Unit Utah Federal 'C'



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 27, 1960

Well No. 1 is located 2440 ft. from N line and 2223 ft. from W line of sec. 36

SE NW 36 12S - 5E SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Sanpete Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~shank of~~ ground above sea level is 8804 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)

It is proposed to drill with rotary tools using air or aerated mud to 8500', to test the Ferren Sand expected to be encountered at approximately 8100'. Anticipated casing includes 13-3/8" OD at 500', cemented to bottom of collar; 9-5/8" at 3200', cemented with approximately 200 sacks; and 7" OD or 5-1/2" OD at top of Ferren Sand, if sand is productive.

This well location is off pattern because of terrain.

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

Company Sunray Mid-Continent Oil Company, operator; Apache Oil Corporation; Petroleum, Incorporated; and Walton-Kearns

Address 424 Patterson Building

Denver 2, Colorado

Phone: AComa 2-1859

By F. S. Goddard
F. S. Goddard
Title District Production Coordinator

September 29, 1960

Sunray Mid-Continent Oil Co.
424 Patterson Building
Denver 2, Colorado

Attention: F. S. Goddard, Dist. Prod. Coordinator

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Utah Federal 'C' 1, which is to be located 2564 feet from the north line and 2223 feet from the west line of Section 36, Township 12 South, Range 5 East, 11M, Sanpete County, Utah.

The proposed location of this well does not comply with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, Utah Oil and Gas Conservation Commission, nor has information been furnished for an unorthodox location as required by Rule C-3 (c) of said rules and regulations.

Before approval can be given for drilling this well, it will be necessary for you to file a new notice of intention to drill in compliance with Rule C-3 (b), or if an unorthodox location is necessary, a request for such spacing must be made as required by Rule C-3 (c).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. PEIGHT,
EXECUTIVE SECRETARY

CBF:awg

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

*Sam Cooper, Dist.
Landman came in
Oct 3, 1960. Ltr.
requesting exception
will be sent in.*

SUNRAY MID-CONTINENT OIL COMPANY

424 Patterson Building
Denver 2, Colorado

October 6, 1960

State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Attention: Mr. Robert L. Schmidt

RE: Notice of Intention to Drill
Utah Federal "C" No. 1
2440' FNL & 2223' FWL
Section 36-12S-5E
Sanpete County, Utah

Gentlemen:

The proposed location of the subject well, which is not in compliance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure, Utah Oil and Gas Conservation Commission, is necessary because of terrain. This well is located on the side of a steep hill in the Manti-LaSal National Forest. Moving the location northwest to a point which would be 500' from the quarter-quarter section lines would place it in heavy timber on a very steep hillside which would greatly increase the cost of location preparation and result in destruction of much additional timber.

The operators of this well will hold title to all leases in Section 36, and the royalty interest is the same so no other royalty or operating interests should suffer drainage from this well if it is productive.

We respectfully request permission to drill this well at the location shown on our Notice of Intention to Drill.

Yours very truly



F. S. Goddard
District Production Coordinator

FSG:pc



October 7, 1960

Sunray Mid-Continent Oil Co.
424 Patterson Building
Denver 2, Colorado

Attention: F. S. Goddard, Dist. Procl. Coordinator

Gentlemen:

This is to acknowledge receipt of your letter requesting an unorthodox location for Well No. Utah Federal 'C' #1, which is to be located 2440 feet from the north line and 2223 feet from the west line of Section 36, Township 12 South, Range 5 East, S1M, Sanpete County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted under Rule C-3 (e), General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah.

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

GLENN B. FREIGHT,
EXECUTIVE SECRETARY

CBF:awg

cc: Don P. Russell, Dist. Eng.
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

WJK
H.V.

Cop. Sent HC RLS

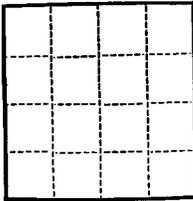
Form 9-331a
(Feb. 1961)

Revised

Budget Bureau No. 42-R368.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City
Lease No. U-07619
Unit Utah Federal '6'



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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)

October 24, 19 60

Well No. 1 is located 2269 ft. from N line and 2213 ft. from W line of sec. 36

SE 1/4 36 12S - 5E 11PM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Walden Sage Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~center~~ ground above sea level is 6846 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)

It is proposed to drill with rotary tools using air or aerated mud to 8500', to test the Ferron Sand expected to be encountered at approximately 8100'. Anticipated casing includes 13 3/8" CD at 500', cemented to bottom of casing; 9 5/8" at 3200', cemented with approximately 200 sacks; and 7" CD or 5 1/2" CD at top of Ferron sand, if sand is productive.

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

Company Sunray Mid-Continent Oil Company, operator; Apache Oil Corporation; Petroleum Incorporated; and Wabco-Lewis

Address 424 Patterson Building
Denver 2, Colorado

Phone: AConn 2-1639

By F.S. Goddard
 Title District Production Coordinator

OIL WELL LOCATION CERTIFICATE

COMPANY Colorado Interstate Gas Co.

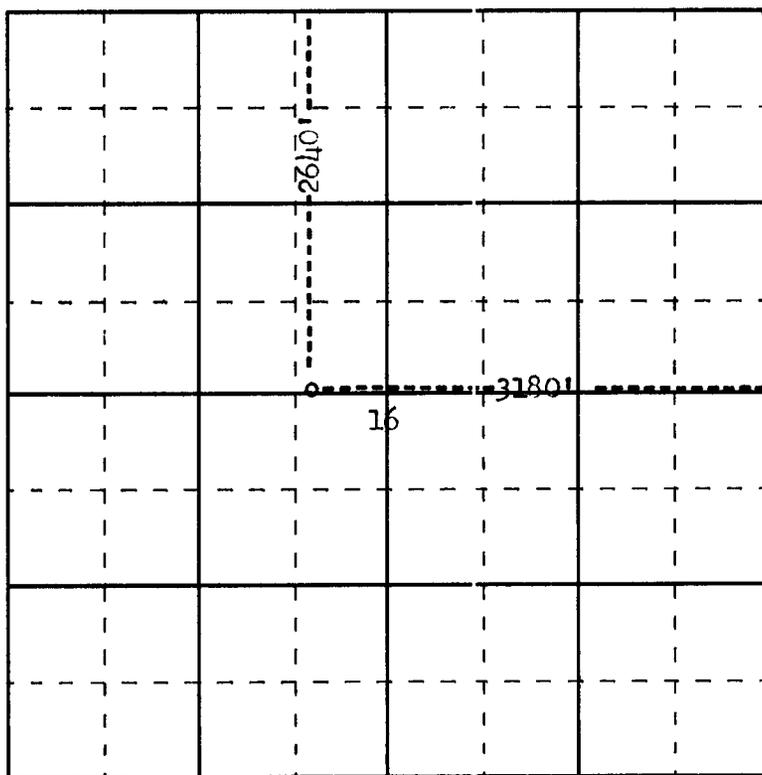
Well Name and No. Jensen No. 1 Lease No. _____

Location 2640' from the North line & 3180' from the East line

Being in SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$

Section 16, T. 14 S, R. 5 E, SLM San Pete County, Utah

Ground Elevation approximately 7381'



Scale—4 inches equals 1 mile

Surveyed June 7-11, 22, 19 56

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.

Paul Nyman
Registered Professional
Engineer and Land Surveyor

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5
Approval expires 12-31-60.
LAND OFFICE **Salt Lake City, Utah**
LEASE NUMBER _____
UNIT **Utah Federal 'C'**
November 1, 1960

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Sanpete Field -

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 60,

Agent's address 424 Patterson Building Company Sunray Mid-Continent Oil Co.
Denver 2, Colorado

Signed [Signature]
Agent's title District Production Coordinator

Phone AComa 2-1859

| SEC. AND ¼ OF ¼ | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|--------------------|------|-------|-------------|-------------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| * SE NW Sec. 36 | 12S | 5E | 1 | --- | --- | --- | --- | --- | --- | Drilling |
| | | | | *Spud 8:30 PM 10-31-60. | | | Drilling at 76' as of | | | 11-1-60. |

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.

copy to NE
K22

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER U-07619
UNIT _____

Utah Federal 'C' #1

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Sanpete Field Wildcat

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

Agent's address 424 Patterson Building Company Sunray Mid-Continent Oil Co.
Denver 2, Colorado

Signed [Signature]

Phone AComa 2-1859 Agent's title F. S. Goddard District Production Coord.

| SEC. AND ¼ OF ¼ | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|--|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| NW SE Sec. 36 | 12S | 5E | - | - | - | - | - | - | - | T.D. 3238' Repairing parted casing. |
| <p>Spudded 10-31-60. Drilled and reamed 17-1/4" hole to 535' and set 13-3/8" OD, 48# H-40, Casing @ 530' with 575 sx. regular cement and 125# Jelflake w/ 2% CC. WOC 80 hours. Drilled 12-1/4" hole to 3175' and set 9-5/8" OD 36#, J-55 Casing @ 3171' w/ 200 sx. regular cement. WOC 24 hours. Preparing for mud drilling. 9-5/8" OD casing parted. Pulled 896' of 9-5/8" casing and found collar had parted in half. Ran inside casing cutter and cut 9-5/8" OD casing off at 911' and recovered 15' of casing. Will run casing bowl.</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

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

LAND OFFICE Utah
LEASE NUMBER U-07619
UNIT Utah Federal 'C' #1

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Sanpete Field Wildcat

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

Agent's address 424 Patterson Building Company Sunray Mid-Continent Oil Company
Denver 2, Colorado

Phone AComa 2-1859 Signed F. S. Goddard
Agent's title District Production Coordinator

| 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) |
|--|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| NW SE Sec. 36 | 12S | 5E | 1 | - | - | - | - | - | - | Present Depth 6084' Drilling |
| <p>11-30-60 preparing to repair parted casing. and smoothed top of 9 5/8" casing at 911'. Ran Daash-Ross casing bowl with 2 sets of slips and 5 leadrings on landed casing. Dried hole to 1500'. Casing Resumed drilling.</p> <p>12-1-60 ran outside mill 9 5/8" casing and bowl tested dry.</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.

Cop. 10/10

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE **U-O 619**
LEASE NUMBER
UNIT **Utah Federal 'C' #1**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State **Utah** County **Sanpete** Field **Wildcat**

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

Agent's address **424 Patterson Building** Company **Sunray Mid-Continent Oil Company**
Denver 2, Colorado Signed *St. Jackson*

Phone **AComa 2-1859** Agent's title **District Senior 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) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| NW SE Sec. 36 | 12S | 5E | 1 | - | - | - | - | - | - | Present Depth 8591' Drilling |

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.

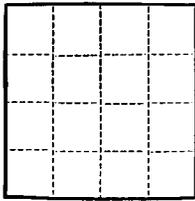
(SUBMIT IN TRIPPLICATE)

Land Office Salt Lake City

Lease No. U-07619

Unit Utah Federal 'C'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|---|---|--|
| NOTICE OF INTENTION TO DRILL..... | | SUBSEQUENT REPORT OF WATER SHUT-OFF..... | |
| NOTICE OF INTENTION TO CHANGE PLANS..... | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF..... | | SUBSEQUENT REPORT OF ALTERING CASING..... | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE..... | | SUBSEQUENT REPORT OF ABANDONMENT..... | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING..... | | SUPPLEMENTARY WELL HISTORY..... | |
| NOTICE OF INTENTION TO ABANDON WELL..... | X | | |

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

February 14, 1961

Well No. 1 is located 2440 ft. from N line and 2223 ft. from W line of sec. 36

NW 36 (1/4 Sec. and Sec. No.) 12S (Twp.) 5E (Range) SLPM (Meridian)
Wildcat (Field) Sanpete (County or Subdivisor) Utah (State or Territory)

ground

The elevation of the ~~surface floor~~ above sea level is 8804 ft.

DETAILS OF WORK

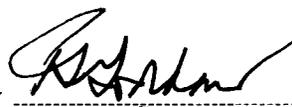
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PRESENT CONDITIONS: TD 9130' 8-3/4" hole. 9-5/8" OD at 3171' with 200 sx. 13-3/8" OD at 530' with 575 sx. D.S.T. #1, Ferron Sand, 8520-91' recovered 90' mud-cut fresh water in 2 hours. D.S.T. #2, Ferron Sand, 8805' to 9072' recovered 1547' mud and 2126' water (Chlorides 700 PPM) in 4 hours open. Schlumberger Induction Electric and Sonic logs indicate no productive zones.

PROPOSED: Spot cement plugs with 50 sx. from 9070' to 8940', with 50 sx. from 8450 to 8320', and with 50 sx. from 3245' to 3145'. Place 10 sx. plug in top of 9-5/8" OD casing. Weld steel plate on top of 9-5/8" and install dry hole marker.

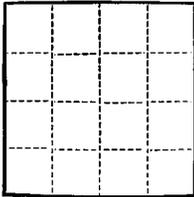
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SUNRAY MID-CONTINENT OIL COMPANY
101 University Boulevard
Address Cherry Creek Center
Denver 6, Colorado

By 
F.S. Goddard

PHONE: DUDley 8-6411

Title District Production Coordinator



(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **U-07619**

Unit **Utah Federal 'C'**

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)

February 16, 1961

Well No. 1 is located 2440 ft. from N line and 2223 ft. from W line of sec. 36

NW 36 (¼ Sec. and Sec. No.) T2S (Twp.) 5E (Range) SLPM (Meridian)
Wildcat (Field) Sarapete (County or Subdivision) Utah (State or Territory)

The elevation of the ~~ground~~ ^{ground} derrick floor above sea level is 8904 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)

Placed cement plugs in open hole from 9070' to 8940' with 50 sx. and from 8450' to 8320' with 50 sx., and across shoe of 9-5/8" OD from 3245 to 3145' with 50 sx. Placed 10 sx. plug in top of 9-5/8" OD casing. Welded plug on top of 9-5/8" OD, and installed dry hole marker. Pumped mud from pits between 13-3/8" OD and 9-5/8" OD casing. Surface location will be levelled and restored after ground has thawed.

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

Company SUNRAY MID-CONTINENT OIL COMPANY

Address 101 University Boulevard

Cherry Creek Center

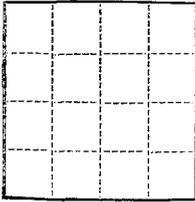
Denver 6, Colorado

By

F.S. Goddard

Title District Production Coordinator

PHONE: Dudley 8-6411



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-07619

Unit Utah Federal 'C'

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)

February 16, 1961

Well No. 1 is located 2440 ft. from $\begin{matrix} N \\ \times \\ S \end{matrix}$ line and 2223 ft. from $\begin{matrix} E \\ \times \\ W \end{matrix}$ line of sec. 36

NW 36 12S 5E SLPM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ~~derrick floor~~ ground above sea level is 8804 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)

Placed cement plugs in open hole from 9070' to 8940' with 50 sx. and from 8450' to 8320' with 50 sx., and across shoe of 9-5/8" OD from 3245 to 3145' with 50 sx. Placed 10 sx. plug in top of 9-5/8" OD casing. Welded plug on top of 9-5/8" OD, and installed dry hole marker. Pumped mud from pits between 13-3/8" OD and 9-5/8" OD casing. Surface location will be levelled and restored after ground has thawed.

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

Company SUNRAY MID-CONTINENT OIL COMPANY

Address 101 University Boulevard

Cherry Creek Center

Denver 6, Colorado

By *F.S. Goddard*

F.S. Goddard

Title District Production Coordinator

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER U-07619
UNIT _____

Utah Federal 'C' #1

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Sanpete Field Wildcat

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

Agent's address (new) 101 University Boulevard Company Sunray Mid-Continent Oil Company
Cherry Creek Center, Denver 6, Colorado Signed [Signature]

Phone DUDley 8-6411 Agent's title District Production Coordinator

| SEC. AND ¼ OF ¼ | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|-----------------------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| NW SE Sec. 36 | 12S | 5E | 1 | - | - | - | - | - | - | TD - 9130' Plugged and Abandoned 2/16/61 |
| Log of Oil and Gas well to follow | | | | | | | | | | |

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.

SUNRAY MID-CONTINENT OIL COMPANY

101 University Boulevard
Cherry Creek Center
Denver 6, Colorado

March 2, 1961

The State of Utah
Oil and Gas Conservation Commission
10 Exchange Place
310 Newhouse Building
Salt Lake City 11, Utah

Attention: District Engineer

Gentlemen:

Enclosed herewith are revised copies of "Notice of Intention to Abandon Well" and "Subsequent Report of Abandonment" on our Utah Federal 'C' Well No. 1, located in Section 36-12S-5E in Sanpete County, Utah.

Please note that we have corrected the footage and elevation on these reports.

Yours very truly,



F. S. Goddard
District Production Coordinator

DLJ/md

enclosures



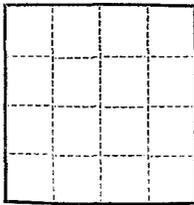
CORRECTED

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-C7519

Unit Utah Federal 'C'



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|---|---|--|
| NOTICE OF INTENTION TO DRILL..... | | SUBSEQUENT REPORT OF WATER SHUT-OFF..... | |
| NOTICE OF INTENTION TO CHANGE PLANS..... | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF..... | | SUBSEQUENT REPORT OF ALTERING CASING..... | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE..... | | SUBSEQUENT REPORT OF ABANDONMENT..... | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING..... | | SUPPLEMENTARY WELL HISTORY..... | |
| NOTICE OF INTENTION TO ABANDON WELL..... | X | | |

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

March 2, 1961

Well No. 1 is located 2269 ft. from N line and 2213 ft. from EX line of sec. 36

NW 36 12S 5E SLPM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Sanpete Utah
(Field) (County or Subdivision) (State or Territory)

ground
The elevation of the ~~derick floor~~ above sea level is 8846 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)

PRESENT CONDITIONS: TD 9130' 8-3/4" hole. 9-5/8" OD at 3171' with 200 sx. 13-3/8" OD at 530' with 575 sx. D.S.T. #1, Ferron Sand, 8520-91' recovered 90' mud-cut fresh water in 2 hours. D.S.T. #2, Ferron Sand, 8805' to 9072'. recovered 1547' mud with 2126' water (Chlorides 700 PPM) in 4 hours open. Schlumberger Induction Electric and Sonic logs indicate no productive zones.

PROPOSED: Spot cement plugs with 50 sx. from 9070' to 8940' with 50 sx. from 8450' to 8320', and with 50 sx. from 3245' to 3145'. Place 10 sx. plug in top of 9-5/8" OD casing. Weld steel plate on top of 9-5/8" OD and install dry hole marker.

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

Company Sunray Mid-Continent Oil Company

Address 101 University Boulevard

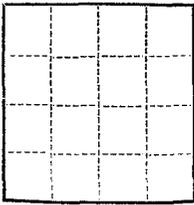
Cherry Creek Center

Denver 6, Colorado

PHONE: DUDley 8-6411

By 
F. S. Goddard

Title District Production Coordinator



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-07619
Unit _____
Utah Federal 'C'

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)

..... March 2, 19.61

Well No. 1 is located 2269 ft. from N line and 2213 ft. from W line of sec. 36
NW 36 12S 5E SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Sanpete Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derick floor~~ ^{ground} above sea level is 8846 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)

Placed cement plugs in open hole from 9070' to 8940' with 50 sx. and from 8450' to 8320' with 50 sx., and across shoe of 9-5/8" OD from 3245 to 3145' with 50 sx. Placed 10 sx. plug in top of 9-5/8" OD casing. Welded plug on top of 9-5/8" OD, and installed dry hole marker. Pumped mud from pits between 13-3/8" OD and 9-5/8" OD casing. Surface location will be levelled and restored after ground has thawed.

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

Company Sunray Mid-Continent Oil Company

Address 101 University Boulevard

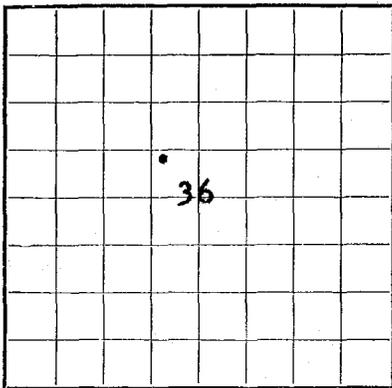
Cherry Creek Center

Denver 6, Colorado PHONE: Dudley

8-6411

By F. S. Goddard
F. S. Goddard

Title District Production Coordinator



U. S. LAND OFFICE Salt Lake City
 SERIAL NUMBER U-07619
 LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sunray Mid-Continent Oil Company Address Cherry Creek Center - Denver 6, Colo.
 101 University Boulevard
 Lessor or Tract Utah Federal 'C' Field Wildcat State Utah
 Well No. 1 Sec. 36 T. 12S R. 5E Meridian SLPM County Sanpete
 Location 2269 ft. {N/S} of N Line and 2213 ft. {E/W} of W Line of NW/4 Elevation 8846Gr.
(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.

Date March 3, 1961 Signed F. S. Goddard Title District Production Coordinator

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

Commenced drilling October 31, 1960 Finished drilling February 16, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|-------------|-----------------|------------------|-------|--------|------------------------|---------------------|------------|-----|--------------|
| | | | | | | | From- | To- | |
| 13-3/8 | 48# | 8R | Nat'1 | 530' | Guide | - | - | - | Surface |
| 9-5/8 | 36# | 8R | Nat'1 | 3171' | Float collar and Guide | 0 | - | - | Intermediate |
| | | | | | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|--|-------------|-------------|--------------------|
| 13-3/8 | 530' | 575sx. Regular, 125# Jel Flake, 2% CaCl | Pump & Plug | - | - |
| 9-5/8 | 3171' | 200sx. Regular 2% CaCl | Pump & Plug | - | - |
| | | | | | |

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

FOLD MARK

MUDDING AND CEMENTING RECORD

FOLD MARK

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|--|-------------|-------------|--------------------|
| 13-3/8 | 530' | 575sx. Regular, 125# Jel Flake, 2% CaCl | Pump & Plug | - | - |
| 9-5/8 | 3171' | 200sx. Regular 2% CaCl | Pump & Plug | - | - |

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 3175 feet, and from 3175 feet to 9130 feet
 Cable tools were used from None feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing None, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller Camay Drilling Company, Driller
Ussery, C. S., Driller Bartlett, Arnel, Driller
 _____, Driller _____, Driller
Ensey, Doyle

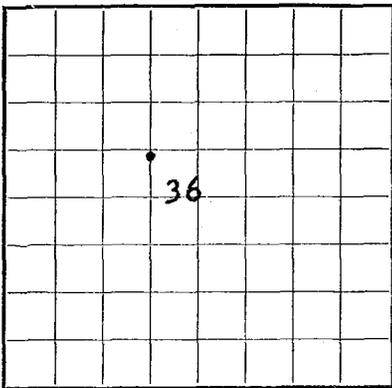
FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|--------------------------------------|---------|------------|-----------|
| Driller T. D. | 9130' | | |
| Elec. Log T.D. | 9128' | | |
| <u>Electric Log Tops</u> | | | |
| Bluegate Shale | - 7120' | | |
| Ferron Sand | - 8425' | | |
| Lower Mancos Shale | - 9100' | | |
| (See detailed well history attached) | | | |

[OVER]

1900

Ref. #1



State

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER U-07619
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sunray Mid-Continent Oil Company Address Cherry Creek Center - Denver 6, Colo.
101 University Boulevard
Lessor or Tract Utah Federal 'C' Field Wildcat State Utah
Well No. 1 Sec. 36 T. 12S R. 5E Meridian SLPM County Sanpete
Location 2269 ft. N of N Line and 2213 ft. E of W Line of NW/4 Elevation 8846 Gr.
(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.

Date March 3, 1961 Signed F. S. Goddard Title District Production Coordinator

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

Commenced drilling October 31, 1960 Finished drilling February 16, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|-------------|-----------------|------------------|-------|--------|---------------------------|---------------------|------------|-----|--------------|
| | | | | | | | From- | To- | |
| 13-3/8 | 48# | 8R | Nat'l | 530' | Guide | - | - | - | Surface |
| 9-5/8 | 36# | 8R | Nat'l | 3171' | Float collar and Guide | 0 | - | - | Intermediate |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|--|-------------|-------------|--------------------|
| 13-3/8 | 530' | 575sx. Regular, 125# Jel Flake, 2% CaCl | Pump & Plug | - | - |
| 9-5/8 | 3171' | 200sx. Regular 2% CaCl | Pump & Plug | - | - |

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

FOLD MARK

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|--|-------------|-------------|--------------------|
| 13-3/8 | 530' | 575sx. Regular, 125# Jel Flake, 2% CaCl | Pump & Plug | - | - |
| 9-5/8 | 3171' | 200sx. Regular 2% CaCl | Pump & Plug | - | - |

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 3175 feet, and from 3175 feet to 9130 feet
 Cable tools were used from None feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing None, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, γ_B _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES *MAR 8 1951* Camay Drilling Company

Ussery, C. S. _____, Driller Bartlett, Arnel _____, Driller
Ensey, Doyle _____, Driller _____, Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|--------------------------------------|---------|------------|-----------|
| Driller T. D. | 9130' | | |
| Elec. Log T.D. | 9128' | | |
| <u>Electric Log Tops</u> | | | |
| Bluegate Shale | - 7120' | | |
| Ferron Sand | - 8425' | | |
| Lower Mancos Shale | - 9100' | | |
| (See detailed well history attached) | | | |

[OVER]

THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL
AT TIME OF COMPLETION
Page fourteen

LEASE UTAH FEDERAL 'C' WELL NO. 1
SEC. T R. COUNTY
STATE FIELD
A.F.E. NO.

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 2-2-61 PD 8605'. Drilling sand and shale. Progress 14'. DST #1, 8520' to 8591', HOWCO packer, 420' W.C.. Open 2 hours with medium blow throughout. No gas or fluid to surface. Recovered 420' water cushion and 90' mud-cut fresh water. IHP 4043#, 30min IBHSIP 482#, IBHFP 150 #, FBHFP 169#, 30" FBHSIP 260#, PHP 3909#. Bit #113 Hughes, 8 3/4" W7R2 in at 8591'. 9.0#-61sec.-5.0c.c.-3%oil. 18% lost circulation material. Used 20sx. Gel, 50# Quebracho, 50# Caustic, 50# Soda Ash, 2 gal. Cronox, 1 sx, Hi-Vis Driscose, 10 sx. Fiberseal, and 10 sx. Magcofiber.
- 2-3-61 PD 8660'. Tripping for bit #115. Progress 55'. Bit #113 made 33' in 11 hours. Bit #114 made 36' in 9 hours. Drilling in hard sand and shale stringers. Bit #114, Hughes, 8 3/4" W7R2 in at 8624'. 8.9#-62sec.-5.4c.c. Used 20 sx. Gel, 100# Caustic, 100# Quebracho, 2 gal. Cronox, and 50# Soda Ash.
- 2-4-61 PD 8706'. Making trip to change bit. Progress 46'. Bit #115 made 46' in 14 3/4 hours. 9.1#-61sec.-6.4c.c. 17% lost circulation material. 3%oil. Used 150# Caustic, 100# Quebracho, 3 gal. Cronox, and 50# Soda Ash.
- 2-5-61 PD 8763'. Drilling in sand and shale. Progress 57'. Bit #116 made 57' in 16 3/4hrs. 50,000# on bit, 55 RPM. Expect lower Mancos shale at 9050'. Bit #116 Hughes, 8 3/4" W7R2 in at 8706', Bit #117, Hughes, 8 3/4" W7R2 in at 8763'. 9.0#-57sec.-4.8c.c.-4%oil-8.5PH. 16% lost circulation material. Used 25sx. Gel, 150# Caustic, 100# Quebracho, 3 gal. Cronox, 10 bbls. Oil and 5 gal. D.M.E.
- 2-6-61 PD 8819'. Drilling. Progress 56'. Bit #117 made 45' in 12 hours. Bit #118 Hughes, 8 3/4" W7R2 in at 8808'. 5 1/4deg. at 8790'. 9.0#-58sec.-5.6c.c.-4%oil-8.5PH. 14% lost circulation material. Used 150# Caustic, 100# Quebracho, and 3 gal. Cronox.
- 2-7-61 PD 8883'. Drilling. Progress 64'. Bit #118 made 50' in 13 hours, Bit #119 has made 25' in 7 3/4 hours and still drilling. Last 24 hours lost 190 barrels of mud through fractures at 8831' to 8845'. Had partial returns, no complete loss. Have full returns now. Drilling in sand and stringers of shale. Bit #119 Hughes, 8 3/4" W7R2-in at 8858'. 8.9#-61sec.-4.8c.c.-8.5PH. Used 60 sx. Gel, 150# Caustic, 125# Quebracho, 3 gal. Cronox, 40 sx. Magcofiber, 56 Sx. Fiberseal, 70 sx. Sawdust, 12 sx. Cotton seed hulls and 6# preservative. 20% lost circulation material.
- 2-8-61 PD 8943'. Drilling. Progress 60'. Drilling in sand and shale. Shale is silty. Bit #119 made 54' in 15 3/4 hours. Bit #120 has made 31' in 9 1/2 hours, still drilling. No shows. Bit #120 Hughes, 8 3/4" W7 in at 8912'. 9.0#-69sec.-4.8c.c.-1%oil. Used 70 sx. Gel, 100# Caustic, 50# Quebracho, 2 gal. Cronox, 15sx. Magcofiber, and 15sx. Sawdust. 21% lost circulation material.
- 2-9-61 PD 8978'. Tripping for bit #122. Progress 35'. Drilling in hard-sharp sand. Bit #120 made 40' in 12 1/2 hours, Bit #121 made 26' in 11 1/4 hours. 50,000# weight on bit, 55 RPM, 600# pump pressure. Bit #121, Hughes W7R2, in at 8952'. 9.0#-64sec.-5.0c.c.-1 % oil. Used 22 sx. Gel, 100# Caustic, 100# Quebracho, 2 gal. Cronox. 15% lost circulation material.

CORRECT

APPROVED

SUPERINTENDENT

THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE UTAH FEDERAL 'G' WELL NO. 1
SEC. _____ T. _____ R. _____ COUNTY _____
STATE _____ FIELD _____
A.F.E. NO. _____

Page fifteen

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 2-10-61 PD 9020'. Tripping for bit #123. Progress 42'. Drilling in sand and shale. Bit #121 made 26' in 11 1/4 hours, and Bit #122 made 42' in 15 3/4 hours. No shows. Bit #122, Hughes W7R2-8 3/4" in at 8978'. 6 deg. at 9000'. 8.8#-68sec.-9.0c.c.-1/2%oil. Used 48 sx. Gel, 150# Caustic, 100# Quebracho, and 3 gal Cronox. 12% lost circulation material.
- 2-11-61 PD 9060'. Drilling in sand with trace of shale. Progress 40'. Bit #123 made 27' in 10 hours. Had poor show at 9033'-9037'. Show consisted of 10 units of gas and light cut from few pieces of samples. Bit #123 Hughes, W-7, in at 9020'. Used 25sx. Gel, 150# Caustic, 100# Quebracho, 3 gal. Cronox, 20 bbl. oil, and 5 gal. DME.
- 2-12-61 PD 9072'. Testing. Progress 12'. Bit #124 made 25' in 10 1/2 hours. Strapped drill pipe out of hole for D.S.T. #2. Ran D.S.T.#2 and set packers at 8805'-9072'. Testing. Bit #124 Hughes, W7R2, in at 9047'. 9.0#-69sec.-6.0c.c. Used 15 sx. Gel, 50# Quebracho, 50# Caustic, 10 bbl. oil, 5 gal. D.M.E. and 1 gal. Cronox.
- 2-13-61 PD 9099'. Drilling in hard sand with traces of lime and silt. Progress 27'. D.S.T. #2 (Ferron) 8805'-9072' (total interval tested 267'). Packers set at 8805'-9072' with 400' of water cushion on top. Tool open 4 hours with fair blow throughout. IHP-4150#, IBHSIP (30 min.) 2338#, IBHFP-733#, FBHFP-1915#, FBHSIP (30 min.) 2338#, FHP-4150#. Recovered (400' water cushion) 1547' mud, 2126' fresh water with chloride content of 700 PPM. Reamed and washed 60' Back to bottom. Drilling ahead. Bit #125, Hughes W7R2-in at 9072'. 8.9#-68sec.-5.6c.c.-and 4%oil. Used 21 sx. Gel, 2 gal. Cronox, 100# Caustic, and 50# Quebracho. 12% lost circulation material.
- 2-14-61 TD 9130'. Logging. Progress 31'. Bit #125 made 34' in 15 1/2 hours, Bit #126, made 24' in 7 1/4 hours. Top of shale at 9110'. Circulated 2 1/4 hours. Now running induction electric, and sonic logs. (Log TD 9128') Bit #126 W7R2, in at 9106'. 8.8#-70sec.-5.0c.c.- and 6%oil. Used 24 sx. gel, 100# Caustic, 100# Quebracho, and 2 gal. Cronox and 10 bbl. oil. Used 10% lost circulation material.
- 2-15-61 DTD-9130', El TD-9128'. Plugging. Finished running logs. Schlumberger TD 9128'. Top of Bluegate shale 7120'. Top of Ferron sand 8425'. Top of lower Mancos shale 9100'. Ran drill open ended and laid cement plug with 50 sx. from 9070' to 8940' and from 8450 to 8320' with 50 sx. regular cement. Set 50 sx. plug at 3245' to 3145'. Laid down D. P. Taking off BOP's to pull 9 5/8" OD casing.

continued---

CORRECT _____

ENGINEER _____

APPROVED _____

SUPERINTENDENT _____

THIS FORM TO BE SUBMITTED ALONG WITH FORM 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

LEASE UTAH FEDERAL 'C' WELL NO. 1
SEC. _____ T. _____ R. _____ COUNTY _____
STATE _____ FIELD _____
A.F.E. NO. _____

HISTORY OF WELL
AT TIME OF COMPLETION

Page Sixteen

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

2-16-61 TD 9130'. Tearing down rig. Removed BOP. Ran McCullough freepoint indicator. 9-5/8" OD free at 730'. Reset slips on 9-5/3" OD and left in hole. Laid down D. P. and Kelly. Spotted 10 sx. cement plug in top of 9-5/8" OD casing. Welded plate on top with dry hole marker. Cleaned pits and pumped mud between 13-3/8" OD and 9-5/8" OD. Rig released at 12 midnight. Tearing down rig. Well P and A.

Final Report

#

md

Handwritten signature

THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOSS OF CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASSED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SIZES AND LOCAL EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER

LEASE **UTAH FEDERAL 'C'** WELL NO. **1**
SEC _____ COUNTY _____
STATE _____ FIELD _____
A. F. E. NO. _____

HISTORY OF WELL
AT TIME OF COMPLETION

Page thirteen

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED

- 1-25-61 PD 7840'. Drilling shale. Progress 22'. Bit #106 has made 244' in 23 1/2 hours. 9.1#-51sec.-6.0c.c.-3%oil. Used 60 sx. Gel, 150# Quebracho, 200# Caustic, 200# Soda Ash, 3 gal. Cronox, 9 sx. Magcofiber, 9 sx. Sawdust, and 3 sx. Leather.
- 1-26-61 PD 7995'. Drilling shale. Progress 155'. 50' sand stringers in shale. Bit #106, made 278' in 29 3/4 hours. Ferron now expected at 8300'. Bit #107-Hughes, 8 3/4" OWV in at 7874'. 5 1/4 deg. at 7843'. 9.2#-63sec.-7.0c.c.-5%oil-8.5PH. Used 15 sx. Gel, 105# Caustic, 150# Quebracho, 150# Soda Ash, 3 gal. Cronox, 25bbls. Diesel, and 5 sx. Fiber. 9 1/2% lost circulation material.
- 1-27-61 PD 8155'. Drilling silty shale. Progress 160'. Ferron sand now expected at 8500'. Bit #107 made 275' in 29 3/4 hours. Bit #108, Hughes, 8 3/4" OWV in at 8149'. 5 deg. at 8145'. 9.2#-64sec.-5.0c.c.-6%oil. Used 100# Quebracho, 100# Caustic, 100# Soda Ash, 25# Driscose and 2 gal. Cronox.
- 1-28-61 PD 8333'. Drilling. Progress 178'. 60% shale, 40% sand, Bit #108 in hole. 9.3#-60 sec.-5.0c.c.- and 5%oil. 8%lost circulation material. Used 25 sx. Gel, 50# Caustic, 100# Quebracho, 100# Soda Ash, 25# Driscose, 5 gal. D.M.E. and 3 gal. Cronox.
- 1-29-61 PD 8425'. Drilling silty shale with sand stringers. Progress 92'. Bit #108 made 220 in 27 3/4 hours. Lost returns at 8422' at midnight, pulled up 16 stands. Mixed lost circulation material and regained returns. Conditioning mud. Lost 650 bbls. of mud. Bit #109 Hughes, 8 3/4" OWV in at 8369'. 5 deg. at 8345'. Used 150 sx. Gel, 100# Soda Ash, 100# Quebracho, 100# Driscose, 100# C.M.C., 3 gal. Cronox, 123 sx. Magcofiber, 83 sx. Sawdust, 25 sx. Hulls, 11 sx. Leather, 10 sx. Polyplug, and 25 bbls. Diesel.
- 1-30-61 PD 8475'. Drilling sand. Progress 50'. Have full returns. Bit #109 made 91' in 14 1/2 hours. 55 RPM, 45,000# on bit, 550# pump. Sample top of Ferron at 8440 to 8450'. No shows. Bit #110 Hughes, 8 3/4" W-7 in at 8460'. 8.9#-68sec.-5.2c.c.- and 4% oil. 20%lost circulation material. Used 70 sx. Gel, 150# Soda Ash, 200# Caustic, 50# Quebracho, 17 gal. D.M.E., 37 bbl. Diesel, 150# C.M.C., 15 sx. Hulls, 2 gal. Cronox, 105 sx. Magcofiber, 15 sx. Fiberseal, 80 sx. Sawdust.
- 1-31-61 PD 8548'. Drilling. Progress 73'. Bit #110 made 49' in 11 1/2 hours. 4' sand drilling break at 8542-46'. Circulated out, 52 units gas, Methane. Lost small amount mud (50 bbls.) regained mud. Bit #111, Hughes, 8 3/4" W-7 in at 8509'. 9.0#-70sec.-5.0c.c.-5%oil. 24% lost circulation material. Used 15sx. Gel, 10 Gel D.M.E., 10 bbl. Diesel, 2 gal. Cronox, 50# Quebracho, 50# Soda Ash, 10 sx. Magcofiber, and 10 sx. Fiberseal.
- 2-1-61 PD 8591'. Preparing to D.S.T. Progress 43'. Bit #111 made 54' in 12 hours, Bit #112 made 28' in 9 hours. Spotted 50 bbls. gel mud on bottom for D.S.T. from 8440' to 8591'. Bit #112 Hughes, 8 3/4" W-7 in at 8563'. 9.0#-70sec.-5.6c.c.-4%oil. Used 26 sx. Gel, 50# Quebracho, 200# Caustic, 2 gal. Cronox, 50# Soda Ash, and 75# Hi-Vis Driscose.

continued -

CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

5-114-1
THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASIED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE UTAH FEDERAL 'C' WELL NO. 1
SEC. 36 T. 12S R. 5E COUNTY Sanpete
STATE Utah FIELD _____
A.F.E. NO. _____

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

UTAH FEDERAL 'C' #1 is located 2274' FNL and 2223' FWL of Sec. 36-T12S-R 5E in Sanpete County, Utah. Projected depth 8500', and objective horizon Ferron sand. SDX Interest is 1/3 of cost to drill to earn 1/4 W.I. Contractor - Camay Drilling Company. Exploratory well.

10-17-60 Building road and location
and 18-60

10-19-60 MIRT. Finished road and location.

10-20-60 MIRT.
10-21

10-22-60 RURT. Digging rat hole and cellar.

10-23 to
10-27-60 RURT.

10-28-60 RURT. Expect to spud tomorrow.

10-29 to
10-31-60 RURT.

11-1-60 TD 76'. Drilling. Progress 76'. Spudded at 8:30 PM 10-31-60.

11-2-60 TD 223'. Drilling. Progress 148'. Bit #1 made 93' in 10 1/2 hours, Bit #2 made 63' in 7 hours. 15 1/2 hours drilling, 2 hours W.O. measuring line, 3/4 hours surveys, 2 hours weld conductor, 2 hours trips and pick up D.C., 1 3/4 hours tighten connections. Bit #1, Hughes, 12 1/4" OSC3, serial #39304, in at 32', Bit #2, Hughes, 12 1/4" OSC1G, serial #49269', in at 125', Bit #3, Hughes, 8 3/4" OSC1G, serial #23144, in at 188'. 1/2 deg. at 75', 1/2 deg. at 124', 1/2 deg. at 192'. 8.7#, 45sec. Used 45 sx. gel.

11-3-60 TD 380'. Drilling. Progress 157'. Bit #3 made 94' in 5 hours. Lost returns at 233'. Lost partial returns at 282', 306', 327' and 331'. Appears to be drilling better now, and loss of circulation is less. Bit #4, Hughes, 8 3/4" OSC, serial #23140, in at 282'. 1/2 deg. at 192', 3/4 deg. at 251', 3/4 deg. at 315', 1/2 deg. at 375'. Used 187 sx. Gel, 135sx. Fiber, 80sx. Sawdust, and 3 sx. Lime.

11-4-60 TD 572'. Opening hole to 12 1/4" at 368'. Progress 192'. Reaming to 12 1/4" at 368' (180' reaming) Bit #4, made 223' in 13 1/2 hours, Bit #5 made 67' in 5 1/2 hours. Finished 8 3/4" hole at 9 PM. Ran hole opener with shock sub.

continued.


CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

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USE TYPEWRITER.

LEASE Utah Federal 'C' WELL NO. 1
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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 11-4-60 continued.
 Pulled shock sub. Bit #5, Hughes 8 3/4 OSC1G, serial #25460 in at 505', Reed 12 1/4" pilot hole opener, in at 188'. 1/2 deg. at 375', 3/4 deg. at 430', 1/2 deg. at 490', 1 deg. at 565'. 9.2#, 58sec. Used 3 sx. Lime, 82 sx. Gel, 44 sx. Fiber, and 44sx. Sawdust.
- 11-5-60 TD 572'. Opening hole to 17 1/4" at 207'. Progress none. Opened hole to 12 1/4" to 567'. Opening to 17 1/4" at 207'. Made 175' of 17 1/4" hole. Finished 12 1/4" hole at 1:30 PM. Bit #6 made 379' in 12 1/4 hours. #7 174' in 10 1/2 hours. Bit #6, 12 1/4 Reed Hole opener in at 188', Bit #7, 17 1/4 Reed hole opener, in at 32', Bit #8, 17 1/4 Reed hole opener, serial #190113 in at 206'. 3/4 deg. at 546'. Used 12 sx. gel, 1 sx. Sawdust, 1 sx. Fiber.
- 11-6-60 TD 572'. Opening hole to 17 1/4" at 528'. Progress none. Bit #8 made 296' in 15 3/4 hours, #9 made 13' in 2 hours. Twisted off at bit sub. at 528'. Recovered fish with overshot on second run. Going in to ream to 535' and run 13 3/8" OD casing. Bit #9, Reed 17 1/2" Pilot reamer, rerun in at 515', #10 Reed, 17 1/2" Pilot reamer rerun.
- 11-7-60 TD 572'. Connecting for air drilling. Progress none. Opened hole to 17 1/4" to 535'. Ran 17 jts. 13 3/8" OD, 48#, H-40 National tube casing and set at 530'. Used guide shoe and 5 B and W centralizers. Cemented with 575 sx. regular with 125# Jelflake and 2% CaCl. Cement circulated to surface of ground (100 sx.) Plug down 4:20 PM 11-6-60. Connecting up for air drilling. 6" snow on ground. Drifting.
- 11-8-60 TD 572'. Connecting for air drilling. Progress none. Snow falling and drifting on road and location.
- 11-9-60 TD 572'. Connecting for air drilling. Progress none. Connected air lines and blooie line. Connecting pump manifold. Will start below surface casing today.
- 11-10-60 TD 572'. Connecting for air drilling. Drilled mousehole. Gleared road with maintainer. Dozer on location. Manifolding pumps.
- 11-11-60 TD 693'. Mist drilling. Progress 121'. Started drilling at 10:15PM 11-10-60. Making 10 to 12 bbls. water per hour. Has made as much as 25 BWPH. Injecting 6 to 8 BWPH and 1 gal soap per hour. Will pull out and put on bumper sub. Bit #10, Hughes 12 1/4 OSC1G, serial #37744 in at 572'. 3/4 deg. at 625'.

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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 11-12-60 TD 933'. Fishing. Progress none. Mist drilled to 933'. No trouble on connections since 800'. Hole making estimated 50 BWPH. Injecting 35 BWPH and 4 gal. soap per hour. Twisted off at bit sub at 12:30 AM. Ran overshot. Could not get over fish. Waiting on new bit sub, to run bit and clean hole above fish. Bit #11, Hughes, 12 $\frac{1}{4}$ " OSC serial #46021 in at 697'. 1/2 deg. at 690' and 3/4 deg. at 750'.
- 11-13-60 TD 933'. WO drill collars. Progress none. W.O. bit sub 9 hrs. Ran 12 $\frac{1}{4}$ " bit and cleaned hole to top of fish. Ran overshot and recovered fish.
- 11-14-60 TD 933'. Preparing to drill ahead. Progress none. W.O. drill collars total of 26 hrs. Picked up 8" D.C. with 12 $\frac{1}{4}$ " bit and washed to bottom. Preparing to drill ahead.
- 11-15-60 TD 1120'. Mist drilling. Progress 187'. #12 bit made 151' in 9 3/4 hrs. Started drilling at 10:15 AM 11-14-60. Twisted off while drilling at 972'. Left 3 drill collars in hole. Ran overshot and recovered. Drilling at 5:30 P.M. Hole making 65 to 70 BWPH. Injecting 20 BWPH and 2 gal. soap per hour. Bit #12, Hughes, 12 $\frac{1}{4}$ " OWV serial #47809 in at 933', and bit #13, Hughes, 12 $\frac{1}{4}$ " OWC serial #38659 in at 1084'. 1/2 deg. at 950' and 1/2 deg. at 985'.
- 11-16-60 TD 1364'. Drilling in sand and shale. Progress 244'. #13 bit Hughes, OWC, in at 1084' and #14 bit, Security S-6, serial #464853 in at 1180'. 1/2 deg. at 1320', 0 deg. at 1139', 1/4 deg. at 1155', 1/2 deg. at 1260', 3/4 deg. at 1285'.
- 11-17-60 TD 1564'. Mist drilling in sand. Progress 200'. Twisted off at 1393'. Left 2 - 7 7/8" drill collars in hole. Ran Bowen 9 5/8" overshot and recovered same. Making 125 barrels water per hour. Injecting 22 bbls. water per hour with 2 $\frac{1}{2}$ gal. soap. #16, Hughes OWV in 1526' (serial #64075), #15 bit, Hughes OSC, 1393', (serial #47419). 1 $\frac{1}{2}$ deg. at 1385', 1 $\frac{1}{4}$ deg. at 1480'.
- 11-18-60 TD 1734'. Fishing. Progress 170'. Drilling in hard sand. Twisted off drill collar pin at 1643'. Ran overshot and recovered same. Drilled to 1734' and twisted off drill collar pin (at 1734') while pulling out of hole. Hole making 125 bbl. water per hour. Drilling with 12,000# on bit and 100-130 RPM. #16 Bit, in at 1526' and #17, bit, in at 1643'. 1 $\frac{1}{2}$ deg. at 1630', 1 3/4 deg. at 1660', 1 $\frac{1}{4}$ deg. at 1720'.
- 11-19/20/ TD 2105'. Mist drilling. Progress 169'. Fishing job at 1734' - Fishing job
 21/-60 at 1829'. All drill collars magnoflux. Tried to circulate hole with wtr. @ 1900', Unable to fill hole with water. Hole making 150 bbl. per hour, injecting 20 bbl. of water per hour with 2 gal. soap. Drilling 15-18000# on bit and 80-90 RPM. Bit #17, Security Serial #43826 - in at 1653' (91' - 8 $\frac{1}{2}$ hrs.) - Bit #18, Hughes, serial #91389 - in at 1734' (95' - 9 hrs.) - Bit #19, 12 $\frac{1}{4}$ " Hughes, serial #91391 - in at 1936' (169' - 7 $\frac{1}{2}$ hrs.). 1 $\frac{1}{4}$ deg. at 1720' - 1 $\frac{1}{2}$ deg. at 1760' - 1 $\frac{1}{2}$ deg. at 1945', 1 3/4 deg. at 2030'.

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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 11-22-60 TD 2255'. Mist drilling. Progress 150'. 12-13000#80 RPM. Hole now making 200 barrels per hour. Air pressure 180#. Bit #20, 12½ Hughes, OSC, serial #47448, in at 2105', Bit 2, Hughes, OWV, serial #47500 in at 2231'. 1 3/4 deg. at 2030', 2 deg. at 2090', 2 deg. at 2135', 1 3/4 deg. at 2195'.
- 11-23-60 TD 2476'. Mist drilling. Progress 221'. Hole making 200 BWPH. Bit #22, Hughes, 12½" OWV serial #24077 in at 2408'. 1 3/4 deg. at 2240', 1½ deg. at 2320', 1¼ deg. at 2380'.
- 11-24-60 TD 2702'. Mist drilling. Progress 226'. Bit #23, Hughes, 12½" OSC, serial #40870 in at 2531'. 1½ deg. at 2470', 1¼ deg. at 2550', 1½ deg. at 2655'.
- 11-25-60 TD 2865'. Mist drilling. Progress 163'. Bit #24, Sec. 12½" F-6, serial #486699, in at 2702', Bit #25, Hughes 12½" OSC serial #40824, in at 2836'. 1½ deg. at 2740', 1 3/4 deg. at 2830'.
- 11-26-60 TD 3081'. Drilling. Progress 216'. Made trip and strapped drill pipe at 3145'. Corrected to 3150'. Bit #25, OSC in at 2836', Bit #26 OWV, serial #87998, in at 2985'. 2 deg. at 2900', 2 deg. at 2990'.
- 11-27-60 TD 3175'. Running 9 5/8" casing. Progress 94'. Sample top: Mancos Shale at 3120'. Finished hole at 11:45 PM, 11-26-60.
- 11-28-60 TD 3175'. Nippling up. Progress none. Ran 100 jts. - 9-5/8" OD, 36#, J-55, casing and set at 3171' with 200 sx. regular cement with 2% CaCl lost 100 sx. Plug down 12:30 PM, 11-27-60. Did not receive any returns. WOC. Ran McCullough Cemoton log and found cement at 2515'.
- 11-29-60 TD 3238'. Preparing to mud up. Progress 63'. Ran McCullough Gamma-Ray Neutron and Cemoton logs. Log TD 3125'. Top of cement at 2515', strapped drill pipe in to 3125' (to plug.). Tested casing at 1150# for thirty minutes. Held OK. Drilled cement plug, 5 hours drying hole. Hit water at 3236' air pressure went to 700#, could not circulate with air, pull to 1080', air pressure 200# and circulated out water, preparing to go to mud. Sample top: Mancos Shale 3120'. Bit #28, Hughes, 8 3/4" OWC serial #60391 in at 3175'.
- 11-30-60 TD 3238'. Waiting on fishing tool. Progress none. Mixed mud and nipped up for mud drilling. Ran bit. Bit stopped at 906'. Rotated off. Ran below OK. Worked bit at 906'. Concluded casing as parted. Will repair with casing bowl.
- 12-1-60 TD 3238'. Waiting on casing bowl and mill. Progress none. Pulled 9 5/8" OD casing and recovered 895.66'. Found collar to be parted in half. Ran inside casing cutter and cut 9 5/8" casing at 911.06' and recovered 15.40'. Out of hole at 8:30 PM, 11-30-60.

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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 12-2-60 TD 3238'. Preparing to unload with air. Progress none. Ran outside mill and smoothed top of 9 5/8" OD casing at 911'. Ran Baash-Ross casing bowl with 2 sets slips and 5 lead rings on 9.3' of 9 5/8" OD 36#, J-55 casing. Caught stub. Pulled up to 80,000#, (40,000# above weight of string) to set lead rings. Pulled on up to 100,000# and landed 9 5/8" OD casing. Job complete at 9 PM 12-1-60. Connected on 9-5/8" OD for air drilling. Preparing to unload at 1500'.
- 12-3-60 TD 3319'. Drilling with mud. Progress 81'. Dried hole at 1500'. Baash Ross bowl tested dry. Dried to 3238'. Drilled to 3286' with air. Hit water. Loaded hole with mud. Connected up for mud drilling, on bottom at 3 AM drilling with mud. Bit #29, Hughes, RG-7, serial #53369', in at 3238', and Bit #30, Hughes, OSC serial #58378, in at 3286'. 2 deg. at 3250'. 8.6#-55sec.-8.0C.C. Used 25 gal D^WE, 250# Hi-Vi Driscose, 25 sx. gel, and 20 bbls. diesel oil.
- 12-4-60 TD 3553'. Drilling. Progress 234'. Bit 31, Hughes, 8 3/4" OSC, serial # 58378 in at 3286', Bit #32, Hughes 8 3/4" OWV, serial #51172, in at 3378'. 1 3/4 deg. at 3315', 1 3/4 deg. at 3370', 2 1/4 deg. at 3455', 2 1/4 deg. at 3520'.
- 12-5-60 TD 3613'. Drilling. Progress 60'. Lost 800 bbls. mud at 3578'. Mixed lost circulation material and regained circulation. Now drilling with full returns. Bit #33, Hughes, 8 3/4" OWV, serial #51175, in at 3553'. 8.6#-47sec.-35% lost circulation material. Used 95Sx, Gel, 82 sx. Fiberseal, 180sx. Mud fiber, and 150# Hi-Vis Driscose.
- 12-6-60 TD 3739'. Drilling. Progress 126'. Bit #33, made 64' in 7 1/4 hours (dull) Bit #34, made 103', in 11 3/4 hours (dull), Ran stabilizer at 3720', 30,000 to 40,000#, 80 RPM, 300# pump pressure. Lost 50 bbls. mud last trip. 10 deg. below zero at location. Bit #34 Hughes, 8-3/4" OWC, serial #38305 in at 3617', Bit #35, Security 8 3/4" M4L, serial #297577, in at 3720'. 2 1/4 deg. at 3600', 2 1/2 deg. at 3660', 2 1/2 deg. at 3700'. 8.7#-55 sec.-4.8C.C.- 7% oil, 8.0 PH. Used 50# Quebracho, 50# Hi-Vic Driscose, 80 bbls. Diesel, 30 sx. Mud fiber, and 50 sx. Sawdust. 22% Lost Circulation material.
- 12-7-60 TD 3861'. Drilling in rough broken Formation. Progress 122'. Lost 150 bbls. mud in 24 hours. Bit #35, Security M4L. in at 3720' (12-6-60) Bit #36, Hughes, OWC, serial #75385, in at 3778', Bit #37, Hughes, W-7, serial #31358, in at 3853'. 100# Hi-Vis Driscose, 30 sx. Gel, 10 sx. Sawdust, 10 sx. Fiberseal, 25 gal. D.M. E., 37 bbl. Diesel, 50# Caustic, and 50# Quebracho. 8.8#-52 sec.-5 to 7.4 C.C.

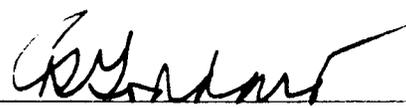
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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 12-8-60 TD 4000'. Drilling in sand, shale and some coal. Progress 139'. RPM 90, 15-23,000# weight, lost circulation material is 20%. Losing partial returns from 3970'. Bit #37, W-7 in at 3853' and bit #38, Hughes W-7 in at 3960', 4 deg. at 3861', 3½ deg. at 3915', 3 3/4 deg. at 3940', 3 3/4 deg. at 3980'. 8.7#-52sec.-6.2c.c.-8.5PH. Used 40 gal. DME, 45 bbls. Diesel, 100# Caustic, 100# Quebracho, 150# Hi Vis Driscose, 20# Gel, 40 sx. Sawdust and 40 sx. Fiberseal.
- 12-9-60 TD 4116'. Drilling sand, and shale and coal. Progress 116'. Losing some mud on trips. Stabilizers at 30' to 90'. Bit #39, Hughes W-7 R2 in at 4040', Bit #40, Hughes W-7 in at 4062'. 3½ deg. at 4012', 3 3/4 deg. at 4040', 3½ deg. at 4075'. 8.6#-48sec.-5.2c.c.-14% oil,-8.5PH. Used 18 sx. Gel, 150# Caustic, 150# Quebracho, 150# Hi-Vis Driscose, 35 sx. Sawdust, 25 sx. Fiberseal, 15 bbl. oil, and 5 gallons D.M.E.
- 12-10-60 TD 4255'. Drilling. Progress 139'. Bit #40 made 95' in 10 1/4 hours. Started losing partial returns at 4190'. Running 90 RPM with 30,000#. Drilling very rough. Bit #41, Hughes 8 3/4" W-7 in at 4157'. 3 3/4 deg. at 4105', 3 1/4 deg. at 4165', 3½ deg. at 4195', 3½ deg. at 4230'. 8.6#-52sec-4.8c.c.-10%oil. Used 32 sx. Magogel, 250# Hi-Vis Driscose, 150# Caustic, 150# Quebracho, 45 gal. D.M.E. 20 sx. Mudfiber, 30 sx. Polyplug, 50 bbls. Diesel Oil, and 30 sx. Sawdust, 25% lost circulation material.
- 12-11-60 TD 4375'. Drilling. Progress 120'. Lost partial returns (100 bbls. mud) at 4370' and 50 bbls. mud at 4260'. Bit #41 made 113' in 14½ hours. Running 20,000 to 35,000#, 90 RPM. Bit #42, Hughes 8 3/4" W-7 in at 4270'. 3½ deg. at 4268', 3½ deg. at 4290', 3 3/4 deg. at 4330', 4 deg. at 4360'. 8.7#-48 sec.-5.2c.c. Used 38 sx. Gel, 400# Hi-Vis Driscose, 100# Caustic, 100# Quebracho, 30 sx. Polyplug, and 15 sx. Sawdust.
- 12-12-60 TD 4515'. Making trip to change bit. Progress 140'. Bit #42 made 108' in 14½ hours. Bit #43 made 136' in 15¼ hours. Lost 300 bbls. mud in last 24 hours. Running 90 RPM, 20,000 to 30,000# weight, 300# pump pressure. Estimated expense to date #131,000. Bit #43, Hughes 8 3/4" W-7 in at 4378'. 3½ deg. at 4385', 3½ deg. at 4415', 3½ deg. at 4445', 3½ deg. at 4480'. 8.8#-50sec.-5.0 c.c.-7%oil. Used 50 sx. gel, 150# Quebracho, 150# Caustic, 350# Driscose, 50 sx. Sawdust, 20 sx. Fiberseal, and 65 sx. Polyplug. 10% lost circulation material.
- 12-13-60 TD 4645'. Drilling. Progress 130'. Lost 250 bbls. mud in last 24 hours. Running 90 RPM, 25,000 to 40,000# on bit, 300# pump pressure. Bit #44, Security 8 3/4" H-7 in at 4515', Bit #45, Hughes, 8 3/4" - W-7 in at 4630'. 3½ deg.

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- 12-13-60 (continued) at 4540', 3 $\frac{1}{2}$ deg. at 4065', 3 $\frac{1}{2}$ deg. at 4630'. 8.8#-53sec.-4.8 C.C., 6% oil. Used 50 sx. Gel, 50# Driscose, 150# Caustic, 40 sx. Fiberseal, 40 sx. Polyplug, 150# Quebracho, 40 sx. Sawdust, 7 gal. D.M.E., and 15 bbls. oil.
- 12-14-60 TD 4683'. Waiting on drilling line. Progress 38'. 4 $\frac{1}{2}$ hours drilling. Bit #45 made 53' in 6 $\frac{1}{2}$ hours. Should be drilling by 4:00 PM. Estimated cost through 12-12-60 is \$133,878. 8.7#-60 sec.-4.7 C.C.-8% oil. Used 18 sx. Gel, 20 sx. Fiberseal and 50# Hi-Vis Driscose. 12% lost circulation material.
- 12-15-60 TD 4734'. Making trip to change bit. Progress 51'. Bit #46 made 51' in 8 3/4 hours. Down 12 hours for drilling line. Running 25,000# to 35,000# on bit. Bit #46 Hughes, W7R2 in at 4683'. 4 deg. at 4700'. 8.7#-60 sec.-4.5 C.C.-8.0PH. Used 130 sx. gel, 100# Caustic, 100# Quebracho, 35sx. Mudfiber, 15 sx. Sawdust, and 60 Sx. Polyplug. 40% lost circulation material.
- 12-16-60 TD 4842'. Drilling. Progress 108'. Lost 150 bbls. mud in 24 hours. 16 hours drilling, 6 $\frac{1}{2}$ hours trips, 1 hr. surveys, 1/2 hour rig service. Sand and Shale and²Coal stringers. Bit #47 made 45' in 7 1/4 hours. Bit #47 Hughes, 8 3/4" W7 in at 4734', Bit #48, Hughes 8 3/4" W7 in at 4779'. 3 3/4 deg. at 4760', 4 deg. at 4820'. 8.9#-53 sec. - 4.0 c.c.- 4% oil. Used 33 sx. gel, 150# Quebracho, 100# Caustic, 25 sx. Polyplug, 20 sx. Mudfiber, 5 sx. Mica, 10 sx. Magcofiber. 11% lost circulation material.
- 12-17-60 TD 4955'. Drilling. Progress 113'. Bit #48 made 72' in 10 $\frac{1}{2}$ hours and Bit #49 made 71' in 7 $\frac{1}{2}$ hours. Bit #49, Hughes, 8 3/4" W7 in at 4851' and Bit #50 Hughes, 8 3/4" W7 in at 4922'. 4 $\frac{1}{2}$ deg. at 4885', 4 1/4 deg. at 4920', 4 1/4 deg. at 4950'. 8.6#-53sec.-5.0c.c. and 2% oil. 39 sx. Gel, 150# Caustic, 100# Quebracho, 10 sx. Polyplug, 5 sx. Magcofiber, 5 sx. Mica, 10 sx. Mudfiber. 20% lost circulation material.
- 12-18-60 TD 5074'. Drilling. Progress 119'. Bit #50 made 53' in 8 hours., Bit #51 made 75' in 9 1/4 hours. Bit 51 Hughes 8 3/4" W7 in at 4975', Bit #52 Hughes, 8 3/4" W7 in at 5050. 8.6#-54sec.-5.1 c.c. and 15%oil. 4 1/4 deg. at 5005'. Used 48 sx. Gel, 150# Caustic, 100# Quebracho, 20 sx. Sawdust, 35 sx. Fiberseal, 2 sx. Mudfiber, 30 gal. D. M. E., 10 sx. Polyplug and 40 bbls. Diesel, 30% lost circulation material.
- 12-19-60 TD 5145'. Drilling sand and shale. Progress 71'. Bit #52 made 45' in 8 $\frac{1}{2}$ hours. Bit #53 made 33' in 6 hours, 14 1/2 hours drilling, 8 3/4 hours trips, 1/2 hour surveys, 1/2 rig service. Lost 150 bbls. mud. Bit #53, Security 8 3/4 H-7 in at 5095', Bit #54 Hughes, 8 3/4" W7 in at 5130'. 4 3/4 deg. at 5065', 5 deg. at 5135'. 8.8#-50sec.-5.0c.c. and 12% oil. Used 59 sx. Gel, 75" Caustic, 100# Driscose, 30 sx. Sawdust, 40 sx. Mudfiber, 30 sx. Fiberseal, 5 sx. Mica, 5 sx. Polyplug and 10 sx. Magcofiber. 20% lost circulation material.

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THIS FORM TO BE SUBMITTED ALONG WITH O. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASSED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

LEASE UTAH FEDERAL 'C' WELL NO. #1
 SEC. _____ T. _____ R. _____ COUNTY _____
 STATE _____ FIELD _____
 A.F.E. NO. _____

HISTORY OF WELL

AT TIME OF COMPLETION

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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 12-20-60 TD 5222'. Drilling. Progress 77'. Bit #54 made 24' in 5½ hours, and Bit #55, made 58' in 11½ hours. Lost 70 bbls. mud, 15 1/4 hours drilling, 7 3/4 hours trips, 1 hour surveys. Bit #55 Hughes 8 3/4" W7 in at 5154' and Bit #56, Hughes, 8 3/4" W7 in at 5212'. 5 1/4 deg. at 5160', and 4 3/4 deg. at 5190'. 8.7#-50sec.-4.5 c.c. and 10% oil. Used 20 sx. gel, 200# Quebracho, 200# Caustic, 25 sx. Mudfiber, 17 gal. Cronox, 20 sx. sawdust, 7 gal. D. M. E., 10 sx. Mica, 15 bbl. Diesel and 15 sx. Fiberseal. 20% lost circulation material.
- 12-21-60 TD 5308'. Making trip to change bit. Progress 86'. Bit #56 made 38' in 7 1/4 hours, Bit #57 made 58' in 9 1/2 hours. 25,000# on bit, 80 to 90 RPM, 300# pump. 15 hours drilling, 4 1/2 hours trip, 1 1/4 hours survey, 3 1/4 hours repair rig. Bit #57 Hughes 8 3/4" W7 in at 5250'. 4 1/2 deg. at 5231' and 5 deg. at 5290'. 8.7#-50sec.-5.0c.c.- 8% oil, and 9.0PH. Used 50# Hi-Vis Driscose, 20ex. Gel, 100# Quebracho, 100# Caustic, 15 bbl. diesel oil and 8 gal. DME. 10% lost circulation material.
- 12-22-60 TD 5343'. Drilling. Progress 35'. Bit #58 made 26' in 5 3/4 hours (dull) 10½ hours drilling, 5 hours work on engines, 8 hours trips, 3/4 hours survey. Lost 100 bbls. mud. Bit #58, Hughes W7- inat 5308', and Bit #59, Hughes, RG7J in at 5334'. 4 1/2 deg. at 5315'. 8.7#-53sec.-6.5c.c.- and 8% oil. Used 60 sx. Gel, 100# Caustic, 100# Quebracho, 6 gal. DME, 15 bbls. Diesel, 5 sx. Mica, 20 sx. Mudfiber, 10 sx. Sawdust, and 20 sx. Fiberseal. 11% lost circulation material.
- 12-23-60 TD 5404'. Drilling shale. Progress 61'. Bit #59 made 11' in 6½ hours (not dull), and Bit #60 made 38' in 8½ hours, made 21' in last 3 1/2 hours. Lost no mud last 24 hours, 14 1/4 hours drilling, 8 1/2 hours trips, 1/2 hour survey, 3/4 cut drilling line. Bit #60 Hughes, 8 3/4 W7 in at 5345', and Bit #61 Hughes 8 3/4" W7 in at 5383'. 4 deg. at 5345'. 8.8#-52sec.-6.0c.c. Used 50# Caustic, 50# Quebracho, 15 bbls. Diesel, and 6 gal. DME. / 7.5% oil. 10% lost circulation material.
- 12-24-60 TD 5495'. Drilling. Progress 91'. Bit #62, Hughes, OWC - 8 3/4" in at 5447', and Bit #63, Hughes, W-7 8 3/4" in at 5486'. 4 1/2 deg. at 5410' and 4 3/4 deg. at 5470'. Used 30 sx. Gel, 50# Caustic, 50# Quebracho, 50# Hi-Vis Driscose, 15 bbl. oil, 5 gal. DME, 4 gal. Cronox, 10 sx. Sawdust and 10 sx. Magco fiber.
- 12-25-60 TD 5568'. Making trip to change bit. Progress 73'. 10% lost circulation material. Bit #64 Hughes, W-7 in at 5531'. 5 1/4 deg. at 5530' and 4 3/4 deg. at 5355'. 8.8#-50sec.-5.2c.c.- and 10% oil. Used 20 sx. Gel, 100# Caustic, 50# Quebracho, 15 bbl. Diesel oil, 5 gal. DME and 2 gal Cronox.
- 12-26-60 TD 5631'. Making trip to change bit. Progress 63'. 10% lost circulation material. Bit #65, Hughes, W-7 8 3/4" in at 5568', and Bit #66, Hughes, W-7 8 3/4" in at 5602'. 5 deg. at 5585' and 4 1/2 deg. at 5620'. 8.7#-56sec.-5.0c.c. and 10% oil. Used 31 sx. gel, 50# Caustic, 10 bbl. oil, 5 gal. DME, 2 gal Cronox, 10 sx. Sawdust, and 10 sx. Magco fiber.

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SUPERINTENDENT

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USE TYPEWRITER.

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE UTAH FEDERAL 'C' WELL NO. 1
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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 12-27-60 TD 5691'. Drilling. Progress 60'. Drilling 25% to 80% sand. 75% to 20% shale in cuttings. Running 40,000# on bit, 60 RPM and 600# pump pressure. Bit #67, Hughes W-7 8 3/4" in at 5631', Bit #68, Hughes, W7R2- 8 3/4" in at 5659'. 4 3/4 deg at 5646' and 4 3/4 deg. at 5680'. 8.7#-51sec.-6.0c.c. Used 40 sx. Gel, 100# Caustic, 100# Quebracho, 50# Hi-Vis Driscose, 2 gal. Cronox, 10 sx. Sawdust, 5 sx. Mud Fiber, 5 sx. Magco Fiber.
- 12-28-60 TD 5772'. Drilling sand and shale. Progress 81'. Bit #68 made 36' in 8 3/4 hours, and Bit #69 made 28' in 6 1/2 hours. Lost 70 bbls. mud. Had 75 units gas 5760' to 5762' in sand. Running 40,000 to 45,000# weight, 70 to 80 RPM, 400 to 600# pump pressure. Bit #68, Hughes, W-7R2 in at 5657', Bit #69 W7 in at 5693', Bit #70 W7 in at 5721'. 4 3/4 deg. at 5735'. 8.8#-48sec.-5.4c.c. and 12% oil. Used 25 sx. Gel, 150# Caustic, 100# Quebracho, 15 bbls. Diesel oil, 5 gal. DME, 10 sx. Magcofiber, and 10 sx. Sawdust. 10% lost circulation material.
- 12-29-60 TD 5857'. Making trip to change bit. Progress 85'. Bit #71, Hughes W7 8 3/4" in at 5780'. 5 deg. at 5800', and 4 3/4 deg. at 5705'. 8.8#-48sec.-5.5c.c. Used 20 sx. Gel, 100# Caustic, 100# Quebracho, 6 sx. Sawdust, 6 sx. MagcoFiber, and 2 gal. Cronox.
- 12-30-60 Present Depth 5940'. Drilling in sand and shale. Progress 83'. Bit #72 made 62' in 10 3/4 hours. Bit #73 drilling. Bit #72, Hughes 8 3/4" W-7 in at 5857', and Bit #73, Hughes 8 3/4" OWC in at 5919'. 6 1/2 deg. at 5854', 5 3/4 deg. at 5890', 5 1/2 deg. at 5920'. 8.8#-50sec.-5.8c.c.-10%oil. Used 6 sx. Gel, 200# Caustic, 150# Quebracho, 6 sx. Magcofiber, 6 sx. Sawdust, and 3 gal. Cronox. 8% lost circulation material.
- 12-31-60 Present Depth 6009'. Drilling sand. Progress 69'. Bit #73 made 42' in 8 1/2 hours, and Bit #74, made 48' in 8 3/4 hours. Bit #74, Hughes 8 3/4" W7-in at 5961, and Bit #75, Hughes, 8 3/4" W-7 in at 6009'. 5 3/4 deg. at 5945', 5 3/4 deg. at 5985'. 8.8#-52sec.-6.0c.c.-10% oil, and 8%lost circulation material. Used 20 sx. gel, 150# Caustic 150# Quebracho, 6 sx. Magcofiber, 6 sx. Sawdust, 3 gal. Cronox, 20 bbls. Diesel, and 10 gal. D.M.E.
- 1-1-61 Present depth 6084'. Drilling shale. Progress 75'. Lost 50 bbls. mud. Bit #76, Hughes, 8 3/4" W-7 in at 6043'. 5 3/4 deg. at 6019', 6 deg. at 6050', 6 deg. at 6075', 8.8#-55sec.-6.5c.c.-8%oil. Used 25 sx. Gel, 50# Caustic, 50# Quebracho, 50# Hi-Vis Driscose, 3 gal. Cronox, 20sx. Fiberseal, and 20 sx. Sawdust. 8%lost circulation material.
- 1-2-61 Present Depth 6164'. Making trip to change bit. Progress 80'. Bit no. 76 made 65' in 13 1/2 hours, Bit #77, made 56' in 11 1/4 hours. Lost no mud last 24 hours. Bit #77, Hughes 8 3/4" W-7 in at 6108'. 6 deg. at 6105', 5 3/4 deg. at 6135'. 9.0#-46sec-4.5c.c.-8%oil, and 8%lost circulation material. Used 35sx. Gel, 100# Quebracho, 150# Caustic, 17sx. Sawdust, 17sx. Magcofiber, and 3 gal. Cronox.

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USE TYPEWRITER.

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE UTAH FEDERAL 'C' WELL NO. 1
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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- PD= Present depth of drilling
- 1-3-61 PD6238'. Drilling sand and shale. Progress 74'. Bit #78 made 47' in 10 1/2 hours. Bit #78, Hughes, W-7 in at 6164', and Bit #79, Hughes W-7 in at 6211'. 5 3/4 deg. at 6174', 5 3/4 deg. at 6200', 5 3/4 deg. at 6230'. 8.9#-49sec.-5.8c.c.-7%oil. and 5% lost circulation material. Used 55 sx. Gel, 150# Quebracho, 200# Caustic, 12 sx. Sawdust, 12 sx. Magcofiber, 5 gal. D.M.E., 10 bbls. Diesel, and 3 gal. Cronox.
- 1-4-61 PD 6301'. Making trip for Bit #81. Progress 63'. Bit #79 made 52' in 8 3/4 hours, Bit #80 made 38' in 9 1/2 hours. Going in hole with Bit #81. Bit #79, Hughes, W-7, in at 6211', and Bit #80, Hughes W-7 in at 6263'. 5 3/4 deg. at 6230', 5 3/4 deg. at 6260', 6 1/4 deg. at 6290'. 9.1#-59sec.-6.4c.c. Used 107 sx. Gel, 100# Caustic, 100# Quebracho, 26 sx. MagcoFiber, 26 sx. Sawdust and 3 gal. Cronox.
- 1-5-61 PD 6350'. Drilling. Progress 49'. Drilled 100% Sand last 24 hours. Bit #81 made 25' in 8 3/4 hours. Bit #81, Hughes W-7 in at 6301, and Bit #82, Hughes W-7 in at 6326'. 6 deg. at 6320'. 9.1#-52sec.-6.0c.c. Used 100# Caustic, 50# Quebracho, 3 gal. Cronox, 18 sx. Magcofiber, 18 sx. Sawdust and 50# Soda ash.
- 1-6-61 PD 6402'. Tripping. 52' (sand). Bit #82 made 48' at 13 1/2 hours and Bit #83 made 34' in 8 3/4 hours. Bit #82, Hughes W-7 in at 6326' and Bit #83, Hughes W-7 in at 6308'. 6 deg. at 6358' and 6 deg. at 6380'. 9#-52sec.-6c.c.-8%oil. Used 100lb. Soda Ash, 100 lbs. Caustic, 100 lbs. Quebracho, 3 gal Cronox, 11 sx. MagcoFiber, and 11 sx. Sawdust.
- 1-7-61 PD 6463'. Drilling. Progress 61'. Bit #81, made 45' in 11 hours. Running 3500# to 45,000# on bit. Bit #84 Hughes 8 3/4" W-7 in at 6402', and Bit #85, Hughes, 8 3/4" W-7 in at 6447'. 6 deg. at 6417', 6 deg. at 6440'. 8.9#-55sec.-5.0c.c.-9%oil. 5% lost circulation material. Used 45 sx. Gel, 150# Caustic, 100# Quebracho, 50# Soda Ash, 3 gal. Cronox, 13 sx, MagcoFiber, 16sx. Sawdust, 7 gal. D.M.E., and 15 bbls. oil.
- 1-8-61 PD 6534'. Drilling. Progress 71'. Bit #85, Hughes, 8 3/4" W-7 in at 6447', and Bit #86, Hughes, 8 3/4" W-7 in at 6502'. 6 deg. at 6479', 6 deg. at 6509'. 9.1#-53sec.-6.2c.c.-8%oil. Used 150 lbs. Soda Ash, 150 lbs. Caustic, 150lbs. Quebracho, 12 sx. MagcoFiber, 12 sx. Sawdust, 15 bbl. Diesel, 3 gal. Cronox, and 5 gal. D.M.E.
- 1-9-61 PD 6573'. Drilling. Progress 39'. Bit #86 made 38' in 10 hrs. and Bit #87 made 31' in 9 3/4 hours. Bit #87 Hughes 8 3/4" W-7 in at 6540' and Bit #88, Hughes, 8 3/4" RG7 (rerun) in at 6571'. 7 deg. at 6535', 6 1/4 deg. at 6565'. 9.0#-49sec.-6.4c.c.-8% oil. Used 100# Soda Ash, 100# Caustic, 50# Quebracho, 8sx. MagcoFiber-8 sx. Sawdust, and 2 gal. Cronox.

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LEASE UTAH FEDERAL OCS WELL NO. 1
SEC. _____ T. _____ R. _____ COUNTY _____
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HISTORY OF WELL
AT TIME OF COMPLETION

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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 1-10-61 PD 6646^o. Drilling. Progress 73^o. Bit #88 in hole, 50 to 70 RPM, 25,000 to 50,000# on bit. 5 1/2 deg. at 6602^o, 6 deg. at 6633^o. 9.1#-52sec.-6.1 c.c.-8% oil. Used 20 sx. Gel, 150# Soda Ash, 150# Caustic, 150# Quebracho, 2 sx. leather, 12 sx. MagcoFiber, 12 sx. Sawdust, 15 bbls. oil, and 3 gal. Cronox. 5% lost circulation material.
- 1-11-61 PD 6694^o. Drilling shale, sand and limestreaks. Progress 48^o. Bit #88, made 89^o in 30 1/4 hours, Bit #89 made 34^o in 11 1/2 hours, 50 to 65 RPM, 40 to 50,000#, 500# pump. Drilling 18 1/4 hours, trip 4 3/4 hours, survey 3/4 hours, service rig, 1/4 hours. Bit #89, Hughes 8 3/4" W-7 in at 6660^o. 5 3/4 deg. at 6655^o. 8.9#-54sec.-6.0 c.c.-8%oil-9PH. Used 17 sx. Gel, 150# Caustic, 150# Soda ash, 100# Quebracho, 4 sx. Sawdust-4 sx. MagcoFiber, 2 sx. Leather, 3 gal Cronox, and 20 bbls. oil. 5% lost circulation material.
- 1-12-61 PD 6735^o. Drilling sand. Progress 41^o. Bit #90 made 24^o in 9 hours. 55 to 70 RPM, 45 to 50,000# on Bit, 500# pump. 13 3/4 hours drilling, 8 3/4 hours trip, 1 1/2 hours surveys. 9.0#-53sec.-4.0c.c.-5%oil-9PH. Bit #90, Hughes 8 3/4" W7R2 in at 6694^o, Bit #91, Hughes 8 3/4" W7R in at 6718^o. 6 1/4 deg. at 6690^o, 5 1/4 deg. at 6720^o. Used 150# Soda Ash, 100# Quebracho, 150# Caustic, 2 sx. Sawdust, 2 sx. Magcofiber, 3 gal Cronox, 1 sx. leather.
- 1-13-61 PD 6778^o. Drilling. Progress 43^o. Drilled in 100% sand with stringers of shale last 24 hours. Bit #91 made 34^o in 10 3/4 hours. RPM 58, 50,000# wht. on bit, 600# pump pressure. Bit #92 Hughes RG7J in at 6752^o. 5 3/4 deg. at 6745^o. 9.0#-53sec.-5.0c.c.-6%oil. Used 10 sx. Gel, 150# Soda Ash, 50# Caustic, 50# Quebracho, 4 sx. Sawdust, 4 sx. Magco Fiber, 20 bbl. Diesel, and 10 gal. D.M.E. 5% lost circulation material.
- 1-14-61 PD 6818^o. Drilling. Progress 40^o. Bit #92 made 32^o in 15 1/2 hours (worn out) #93 made 20^o in 6 1/4 hours. Bit #93, 8 3/4" W7 in at 6787^o, and Bit #94, W7R, in at 6807^o. 9.0#-48sec.-4.2c.c.-6%oil-9.5PH. 10sx gel, 100# Soda Ash, 50# Caustic, 50# Quebracho, 6 sx. Sawdust, 6 sx. Magcofiber, 3 gal, Cronox, and 3 sx. leather
- 1-15-61 PD 6860^o. Drilling sand. Progress 42^o. Bit #94 made 29^o in 9 1/2 hours, Bit #95 made 24^o in 10 1/2 hours. Bit #95 W7R in at 6836^o. 6 1/4 deg. at 6830^o, 6 deg. at 6845^o. 9.0#-52sec.-6.0c.c.-7%oil, 9.5PH. Used 10 sx. Gel, 50# Soda Ash, 3 sx. leather, 3 gal. Cronox, 15 bbls. Diesel oil.
- 1-16-61 PD 6903^o. Drilling sand. Progress 43^o. Bit #96 made 28^o in 9 3/4 hours, 45 to 50,000#, 55 to 60 RPM, 600# pump. Bit #96 W7 in at 6860^o, Bit #97 W7 in at 6888^o. 6 deg. at 6880^o. 9.1#-52sec.-5.6c.c.-6.5%oil-9 PH. Used 50# Soda Ash, 2 gal. Cronox, 10 bbls. Diesel Oil, 5 gal. D.M.E. 3% lost circulation material.
- 1-17-61 PD 6942^o. Making trip. Progress 39^o. Last 24 hours drilling 40 to 70% shale. Now drilling in 100% sand. Bit #97 made 24^o, 10 1/2 hours, Bit #98 made 30^o, 11 1/2 hours. 55RPM, 40-50,000# weight on bit, 800# to 1,000# pump pressure. Bit #98 Hughes, OWC-J in at 6912^o. 9.1#-47sec.-4.2c.c.-6%oil-9PH. Used 5 sx. Gel, 100# Soda Ash,

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USE TYPEWRITER.

LEASE UTAH FEDERAL 'C' WELL NO. 1
 SEC. _____ T. _____ R. _____ COUNTY _____
 STATE _____ FIELD _____
 A.F.E. NO. _____

HISTORY OF WELL

AT TIME OF COMPLETION

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ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 1-17-61 (Continued) 2 gal. Cronox, and 6 barrels of Diesel. 3% lost circulation material.
- 1-18-61 PD 6992'. Drilling. Progress 50'. Bit #99 made 32' in 10 1/2 hours, 55 RPM, 45 to 50,000# weight on bit, 700# Pump pressure. Bit #99, Hughes W-7 in at 6942'. Bit #100, Hughes W-7 in at 6974'. 6 deg. at 6965'. 9.0#-50sec.-5.0c.c.-7%oil-9PH. Used 20 sx. Gel, 3 gal. Cronox, 50# Soda Ash, 15 bbl. oil, and 5 gal. D.M.E.
- 1-19-61 PD 7065'. Drilling. Progress 73'. Drilling 70% to 100% shale, top of shale 7007', 0-30% sand. Bit #100 made 31' in 11 1/4 hours. 55RPM, 45,000# weight, 750# pump pressure. Bit #100, Hughes, W-7 in at 6974', Bit #101, Hughes W-7 in at 7005'. 6 deg. at 7002'. 9.1#-47sec.-5.2.c.c.-7%oil-9PH. Used 50 Sx. Soda Ash, and 2 gal. Cronox, 2% lost circulation material.
- 1-20-61 PD 7138'. Making trip. Progress 73'. Drilling in sand, shale and lime last 24 hours. #101 made 69' in 16 1/2 hours, and 102 made 64' in 14 hours. 120 bbl. mud last 24 hours. 55 RPM, 45 to 50,000# weight on bit, 600# pump pressure. Bit #102, Hughes, OWC Jet, in at 7074'. 6 deg. at 7070'. 9.1#-48sec.-5.4c.c.- and 6%oil. Used 40 sx. Gel, 100# Soda Ash, 6 sx. leather, 12 sx. Magcofiber, 3 gal. Cronox, 15 bbls. oil, and 12 sx. Sawdust. 2% lost circulation material.
- 1-21-61 PD 7239'. Drilling. Progress 101'. Lost 115 bbls. mud. Bit #103 Hughes, 8 3/4" OWC in at 7138'. 5 3/4 deg. at 7130'. 9.1#-46sec.-5.2c.c.-6%oil. Used 45 sx. Gel, 50# Quebracho, 50# Soda Ash, 3 gal. Cronox, 22 sx. Magcofiber, 17 sx. Sawdust, 8 sx. Leather and 6 sx. Fiberseal.
- 1-22-61 PD 7351'. Drilling. Progress 112'. Lost 100 bbls. mud. Bit #103 made 113' in 22 1/2 hours. Bit #104, Hughes, 8 3/4" OWV in at 7251'. 5 1/4 deg. at 7248'. 9.1#-46sec.-6.0c.c.-6%oil. Used 66 sx. Gel, 50# Soda Ash, 50# Quebracho, 12 sx. Sawdust, 7 sx. Magcofiber, 3 sx. leather, 15 bbls. oil, 3 gal. Cronox. 3% lost circulation material.
- 1-23-61 PD 7473'. Drilling shale. Progress 122'. Bit #104 made 126' in 20 hours. Lost 140 bbls. mud last 24 hours. 45,000# on bit, 55 RPM, 450# to 500# pump. Bit #105, Hughes, 8 3/4" OWV in at 7377'. 5 1/4 deg. at 7375'. 9.0#-50sec.-8.0c.c. - 6%oil. Used 60 sx. Gel, 100# Soda Ash, 50# Caustic, 100# Quebracho, 44 sx. Sawdust, 50 sx. Magcofiber, 1 sx. leather, 5 sx. Polyplug, and 3 gal. Cronox.
- 1-24-61 PD 7618'. Drilling shale. Progress 145'. Bit #105 made 219' in 26 1/4 hours. Bit #106 Hughes 8 3/4" OWV in at 7596'. 4 deg. at 7594'. 9.1#-51sec.-7.2c.c.-4%oil. Used 26 sx. Gel, 250# Caustic, 100# Quebracho, 17 sx. Magcofiber-13 sx. Sawdust-2 gal. Cronox, and 150# Soda Ash. Lost 15 mnl. mud in 24 hours.

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SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

I. DANIEL STEWART
Chairman

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

CLEON B. FEIGHT
Director

August 24, 1978

Sunmark Exploration Company
2001 First Natl. Bank Bldg.
621 17th Street
Denver, Colorado 80293

Re: Well No. Utah Federal 'C' #1
Sec. 36, T. 12S, R. 5E
Sanpete County, Utah

Gentlemen:

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

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, & MINING

Tammy Edge
Typist