

### FILE NOTATIONS

Entered in N I D File \_\_\_\_\_

Entered On S R Sheet \_\_\_\_\_

Location Map Pinned \_\_\_\_\_

Card Indexed \_\_\_\_\_

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

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

Copy N I D to Field Office \_\_\_\_\_

Approval Letter \_\_\_\_\_

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

### COMPLETION DATA:

Date Well Completed 8-4-39

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

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

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

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

### LOGS FILED

Driller's Log \_\_\_\_\_

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

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

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

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

U. S. Land Office Salt Lake  
Serial Number 033133  
Lease or Permit Permit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT RECORD OF SHOOTING.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		RECORD OF PERFORATING CASING.....	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO ABANDON WELL.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO SHOOT.....		SUPPLEMENTARY WELL HISTORY.....	

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

August 6, 1924, 192

Following is a ~~report of work done~~ notice of intention to do work on land under ~~lease~~ permit described as follows:

Utah Grand Cisco  
(State or Territory) (County or Subdivision) (Field)  
Well No. #1 SENE 25 20South 21East  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 1965 ft. N of E line and 1080 ft. W of E line of sec. 25  
The elevation of the derrick floor above sea level is \*\*\*\*\* ft.

DETAILS OF PLAN OF WORK

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

Start a 20" hole and expect to carry hole large enough to enable us to drill to an approximate depth of 3500'.

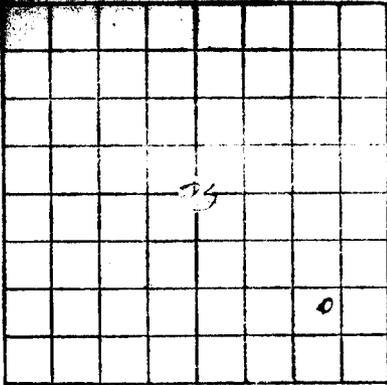
Inasmuch as this is a wild cat well, a drilling programme cannot be prearranged. Approval of this notice is given with the understanding that all formations carrying oil and gas be protected from water infiltration or subsurface leakage; also, that one string of casing be cemented and tested at a convenient and proper depth between depths of 800' and 2000'.

Approved August 8, 1924  
(Date)  
E. F. CAMPBELL  
Title Supervisor, Oil & Gas Operations  
GEOLOGICAL SURVEY

Company UTAH OIL REFINING COMPANY  
By J. C. RAMWELL  
Title Exploration Manager.

Address \_\_\_\_\_ Address \_\_\_\_\_

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Salt Lake  
 SERIAL NUMBER 033133  
 LEASE OR PERMIT \_\_\_\_\_

DEPARTMENT OF THE INTERIOR  
 BUREAU OF MINES  
 PETROLEUM DIVISION

RECEIVED  
 OCT 15 1924  
 SALT LAKE CITY, UTAH  
 MINES & LEASING DIV.

LOG OF OIL OR GAS WELL

Company Utah Oil Refining Company Address Salt Lake City, Utah  
 Lessor or Tract United States Field Siaca State Utah  
 Well No. 1 Sec. 25 T. 20 R. 21 Meridian Salt Lake County Grand  
 Location 1064 ft. <sup>N.</sup> of No. Line and 1000 <sup>E.</sup> of W. of E Line of Section 25 Elevation \_\_\_\_\_  
(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 Oct 15, 1924 Signed [Signature] Title Exploration Manager.

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

Commenced drilling August 21, 1924 Finished drilling October 11, 1924

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1900 to 1900 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from 1900 to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from No water 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	
<u>20</u>	<u>90</u>	<u>10</u>	<u>Colinga</u>	<u>40' 6"</u>	<u>Regular</u>				
<u>18</u>	<u>70</u>	<u>10</u>	<u>"</u>	<u>807</u>	<u>"</u>				
<u>12</u>	<u>55</u>	<u>10</u>	<u>"</u>	<u>1610</u>	<u>"</u>				
<u>10</u>	<u>45</u>	<u>10</u>	<u>"</u>	<u>1948</u>	<u>"</u>				

CASING OR TOOLS LOST OR SIDETRACKED

From none to \_\_\_\_\_ Description \_\_\_\_\_  
 From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_  
 From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

FOLD MARK

**PLUGS AND ADAPTERS**

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from **Entirely** feet to ..... feet, and from ..... feet to ..... feet

**DATES**

....., 19..... Put to producing ....., 19.....

The production for the first 24 hours was ..... barrels of fluid of which ..... % was oil; ..... % emulsion; ..... % water; and ..... % sediment. Gravity, °Bé. ....

If gas well, cu. ft. per 24 hours **12,000,000** Gallons gasoline per 1,000 cu. ft. of gas **111.02**

Rock pressure, lbs. per sq. in. **115**

**EMPLOYEES**

**Hugh Hickman** ..... Driller

**W. H. Smith** ..... Driller

..... Driller

..... Driller

**FORMATION RECORD**

FROM	TO	TOTAL FEET	FORMATION
0	30	30	Gravel
30	710	680	Blue shale - dry and hard
710	780	70	Blue shale with hard sand shells
780	860	80	Blue shale
860	860	20	sand and blue shale
860	925	65	blue shale with shells
925	1005	80	blue shale
1005	1295	290	blue shale - gritty and hard
1295	1740	445	blue shale
1740	1800	60	blue shale - hard shells and gritty
1800	1840	40	white iron and blue shale
1840	1875	35	sandy shale - hard
1875	1880	5	blue shale mixed with white iron - hard
1880	1915	35	blue shale and shells
1915	1925	10	white sand - struck gas
1925	1940	15	white sand
1940	1950	10	sand and blue shale
1950	1950	0	sand and gas

(COPY)

Crystal Carbon Co., Well No. 1, Cisco Dome Field, Grand County, Utah.  
1965' S. of N. line and 1080' W. of E. line (NE 1/4 sec. 25, T. 20 S.,  
R. 21 E., S.L.M.

Commenced drilling August 21, 1924 by Utah Oil Ref. Co., drilled to 1960'.  
Finished drilling October 11, 1924.

Drilled deeper by Crystal Carbon Co., 1960' to 2414', June 7 to July 31, 1927.

Gas sands - 1915' to 1935'  
1955' to 1960'  
2318' to 2325' - 1,729,800 Cu.ft. per 24 hours, 300-400# rock pressure.

Drilled by Utah Oil Refining Co.

<u>From</u>	<u>To</u>	<u>Total Feet</u>	<u>Formation</u>
0	20	20	Gravel
20	30	10	Gravel
30	35	5	Shale
35	43	8	Blue Shale - Dry
43	55	12	Shale
55	105	50	Blue Shale - hard
105	710	605	Blue Shale - Dry
710	780	70	Blue Shale with hard sand shells
780	840	60	Blue Shale - hard
840	860	20	Sand and blue shale
860	890	30	Blue shale and shells
890	1005	115	Blue shale
1005	1295	290	Blue shale - gritty and hard
1295	1555	260	Blue shale
1555	1610	55	Blue shale - soft
1610	1740	130	Blue shale
1740	1800	60	Hard shells of blue gritty shale
1800	1840	40	white iron and blue shale
1840	1875	35	Sandy shale - hard
1875	1890	15	Blue shale mixed with white iron - hard
1890	1915	25	Blue shale and shells
1915	1935	20	Sand - hard - Gas
1935	1940	5	Sand and shale
1940	1950	10	Blue shale
1950	1955	5	Hard sand
1955	1960	5	Sand - Gas

Redrilled by Crystal Carbon Company

1960	1971	11	Sand
1971	2003	32	Sand
2003	2010	7	Shale
2010	2023	13	Red rock
2023	2035	12	Sand
2035	2040	5	White shale
2040	2045	5	Sand
2045	2054	9	Shale
2054	2068	14	Sand
2068	2093	25	Red lime
2093	2113	20	Sand - Lime
2113	2208	95	Red lime
2208	2228	20	Sand - showing of oil
2228	2318	90	lime shells
2318	2325	7	Sand - Gas
2325	2335	10	Sand shells
2335	2360	25	Sand - water, 2 bailers full
2360	2395	35	Sand and lime
2395	2414	19	Red rock





DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Serial Number 033133

Lease or Permit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT RECORD OF SHOOTING.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	X	RECORD OF PERFORATING CASING.....	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO ABANDON WELL.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO SHOOT.....		SUPPLEMENTARY WELL HISTORY.....	

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

*New Crystal Carbon #1*

November 7th, 1924, 192

Following is a ~~notice of intention to do work~~ report of work done on land under ~~permit~~ lease described as follows:

Utah Grand Cisco  
(State or Territory) (County or Subdivision) (Field)  
Well No. #1 NE 1/4 Sec. 25 20S., Rg. 21E. S. L. M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 1965' ft. S of N line and 1089 ft. W of E line of sec. 25

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

DETAILS OF PLAN OF WORK

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

About 5,000,000 cu. ft. gas encountered at 1930'. Drilling continued in 10" hole to 1960' where large flow of gas struck estimated at 10,000,000 cu. ft. Gas became ignited and rig burned. Fire extinguished by shot. Head caused 12 1/2" casing, which was on clamps to fall and also caused top of 15" to expand so that control head could not be installed. The 10" casing was lowered from where it set on clamps and 380 sacks cement put in between 15 1/2" to 10" casing. A 10" gate valve was installed and gas shut in. Well to be left in this condition temporarily.

Approved with understanding that gas sands have been protected from infiltration of water or loss of pressure by migration to other formations.

Approved November 15, 1924  
(Date)  
J. CHAS. MILLER

Company UTAH OIL REFINING COMPANY  
By J. E. BRAMWELL

Title Associate Petroleum Engineer  
GEOLOGICAL SURVEY

Title Exploration Department.

Address \_\_\_\_\_ Address \_\_\_\_\_

C O P Y

KANSAS CITY TESTING LABORATORY  
Kansas City, Missouri

Office and Laboratory  
700 Baltimore

REPORT OF ANALYSIS

Ohio Oil Company  
Boulder, Colorado.  
October 25, 1924.

10-11 #1

Sample Marked Gas

ANALYSIS:

Specific Gravity	.582
Methane and Ethane	95.0 %
Carbon dioxide	0.2
Oxygen	0.0
Olefines	0.8
Nitrogen	<u>4.0</u>
	100.0 %

B. T. U. per cubic foot 5 ounces pressure  
60° F. 936

Respectfully Submitted,

KANSAS CITY TESTING LABORATORY

By J. G. Hawthorne

1, old Utah #1  
 11. 1 + R  
 LOG OF WELL NUMBER 1.

Located 1965 ft. North of North Line  
 and 1089 ft. East of East line of Sec.  
 25, T. 20, R. 21, Meridian S.L.M.

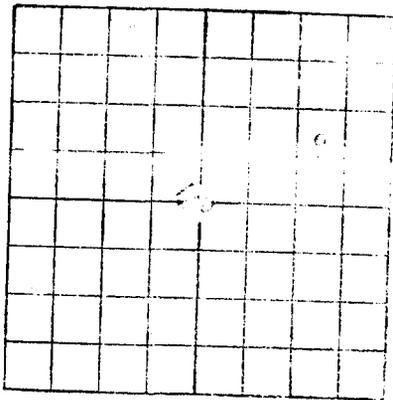
PIPE

20" 40  
 15 1/2" 857  
 12 1/2" 1610  
 10" 1948

Cisco. Utah

Drilling Commenced August 21, 1924:  
 Drilling Completed October 11, 1924.

<u>Depth</u>	<u>Formation</u>
0 - 20	Gravel
20 - 30	"
30 - 35	Shale
35 - 43	Blue shale - dry
43 - 55	Shale
55 - 105	Blue shale - hard
105 - 710	Blue shale - (dry)
710 - 780	Blue shale with hard sand shells
780 - 840	Blue shale - hard
840 - 860	Sand and blue shale.
860 - 890	Blue shale and shells
890 - 1005	Blue shale.
1005 - 1295	Blue shale - gritty and hard
1295 - 1555	Blue shale
1555 - 1610	Blue shale - soft
1610 - 1740	Blue shale
1740 - 1800	Hard shells of blue gritty shale.
1800 - 1840	White iron and blue shale
1840 - 1875	Sandy shale - hard
1875 - 1890	Blue shale impregnated with white iron - hard
1890 - 1915	Blue shale and shells
1915 - 1935	Sand - hard - gas
1935 - 1940	Sand and shale
1940 - 1950	Blue shale.
1950 - 1955	Hard sand.
1955 - 1960	Sand - gas



LOCATE WELL CORRECTLY

U.S. LAND OFFICE **Salt Lake**  
 SERIAL NUMBER **050125**  
 FOR PERMIT

DEPARTMENT OF THE INTERIOR  
 BUREAU OF MINES  
 PETROLEUM DIVISION

RECEIVED

LOG OF OIL OR GAS WELL

Company UTAH OIL REFINING COMPANY Address Salt Lake City, Utah  
 Lessor or Tract G. B. Jenkinson, Jr. Field Cisco State Utah  
 Well No. 1 Sec. 25 T. 20 R. 21 Meridian S.L.M. County Grand  
 Location 1965ft. [N] of [S] Line and 1069ft. [W] of [E] Line of Elevation: \_\_\_\_\_  
(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 April - 1925 Signed \_\_\_\_\_ Title Exploration Manager

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

Commenced drilling August 21st, 1924 Finished drilling October 11th, 1924.

OIL OR GAS SANDS OR ZONES

No. 1, from (G) 1930 to (G) 1955 to 1960 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	Appodul	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
20"	90#	8	Coalinga	40	Regular				
15"	70#	8	"	857	"				
12"	50#	10	"	1610	"				
10"	45#	10	"	1948	"				

CASING OR TOOLS LOST OR SIDETRACKED

From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_  
 From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_  
 From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

MARK

**MILLING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
Openings between all strings of casing filled with cement.					

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from **Entirely** feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours **10,000,000** Gallons gasoline per 1,000 cu. ft. of gas **0025**  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

**Hugh Hickman** \_\_\_\_\_, Driller **Bert O'Day** \_\_\_\_\_, Driller  
**Lloyd Baker** \_\_\_\_\_, Driller **G. C. Clark** \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM	TO	TOTAL FEET	FORMATION
0	20	20	Gravel
20	30	10	"
30	35	5	Shale
35	43	8	Blue shale - dry
43	55	12	Shale
55	105	50	Blue shale - hard
105	710	605	Blue shale - (dry)
710	780	70	Blue shale with hard sand shells
780	840	140	Blue shale - hard
840	880	20	Sand and blue shale
880	890	30	Blue shale and shells
890	1005	115	Blue shale
1005	1295	290	Blue shale - gritty and hard
1295	1585	260	Blue shale
1585	1610	55	Blue shale - soft
1610	1740	150	Blue shale
1740	1800	60	Hard shells of blue gritty shale

(OVER)

## FORMATION RECORD - Contin

FROM	TO	TOTAL FEET	FORMATION
1890	1840	40	White iron and blue shale
1840	1875	35	Sandy shale - hard
1875	1890	15	Blue shale impregnated with white iron - hard
1890	1915	25	Blue shale and shells
1915	1935	20	Sand - hard -- gas
1935	1940	5	Sand and shale
1940	1950	10	blue shale
1950	1955	5	Hard sand
1955	1960	5	Sand - gas

**COPI**

**DEPARTMENT OF THE INTERIOR**

**BUREAU OF MINES**

**WASHINGTON**

**December 12, 1924.**

**Utah Oil Refining Company,  
Salt Lake City, Utah.**

*Well #1*

**Gentlemen:**

I am transmitting below, the gas analysis from your well on the Cisee Dome:

Carbon dioxide	-	0.30%
Oxygen	-	0.20%
Methane	-	86.17%
Ethane	-	12.30%
Nitrogen	-	0.93%

Thank you very much for obtaining this sample for us.

Very truly yours,

(Signed) S. C. Lind

S. C. Lind,  
Chief Chemist.

**100Y**

Form RO-630 IM 8-1-22

UTAH OIL REFINING COMPANY  
RESEARCH DEPARTMENT

Experiment No. \_\_\_\_\_

Date May 26 1925  
Subject Gas - Cisco No. 1  
Authorized By \_\_\_\_\_  
Sample From \_\_\_\_\_  
Operators Laboratory

*Crystals #1*  
*Sec. 7 5-205-121 E*

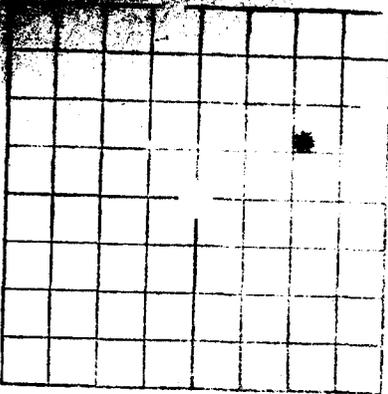
**Discussion:**

Specific Gravity	.63
Oxygen	2.5%
Hydrogen	10.4%
Methane & Ethane	87.1%
BTU (Calc)	1079 per 1000 cu. ft.

Gas - Dry and Combustible.

G. I. Kirby  
Chemist

✓



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Salt Lake City

SERIAL NUMBER 033133A

LEASE OR PERMIT

DEPARTMENT OF THE INTERIOR

BUREAU OF MINES

PETROLEUM DIVISION

GEOLOGICAL SURVEY

RECEIVED

AUG 17 1927

SALT LAKE CITY UTAH  
MINERAL LEASING DIV.

LOG OF OIL OR GAS WELL

Company Crystal Carbon Company

Box 19 Cisco

Lessor or Tract

Field Cisco Dome

State Utah

Well No. I

Sec. 25 T20S R.21E Meridian S.L.M. County Grand

Location 1956 ft. (S.) of N. Line and 1089 ft. (W.) of E. Line of Section 25 Elevation (Surface floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed R. G. Hill

Date July 31 1927

Title Superintendent.

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

Commenced drilling August 21 Finished drilling October 11 1924

OIL OR GAS SANDS OR ZONES

(Indicate by (a))

No. 1, from 1915' to 1935' G. No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from 1955' to 1960' G. No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from 2318' to 2325' G. No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind or size	Cut and pulled from	Performance		Purpose
							From	To	
20"	90#	8	Coalings	40'					
15 1/2"	70#	8	"	857'					
12 1/2"	50#	10	"	1610'					
10"	45#	10	"	1948'					
5 1/2 / 16 1/2"	8 1/2	11 1/2	Republic	3060'					
3"	8 1/2	11 1/2	"	2401'					

2321' 2321' 6"

Anchor Packer set at 2340' Right & Left Winkle set at 2297'

Top Anchor Packer set at 2301' Length of Packers 6' 6".

From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

MARK

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

**PLUGS AND ADAPTERS**

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from 0' feet to 1960' feet, and from 1960' feet to 2414' feet

**DATES**

....., 19..... Put to producing ..... , 19.....

The production for the first 24 hours was ..... barrels of fluid of which ..... % was oil; ..... % emulsion; ..... % water; and ..... % sediment. Gravity, 'Bé. ....

If gas well, cu. ft. per 24 hours <sup>1,729,800</sup> After Redrilled Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. <sup>300#</sup> After redrilled. <sub>400#</sub>

**EMPLOYEES**

Unknown ..... , Driller S.H. Cart ..... , Driller

Unknown ..... , Driller Redrilled Clint Meyers ..... , Driller

**FORMATION RECORD**

FROM	TO	TOTAL FEET	FORMATION
Drilled by Utah Oil & Refineing Company			
0'	20'	20'	Gravel
20'	30'	10'	Gravel
30'	35'	5'	Shale
35'	43'	8'	Blue Shale - Dry.
43'	55'	12'	Shale
55'	105'	50'	Blue Shale - hard.
105'	710'	605'	Blue Shale - Dry.
710'	780'	70'	Blue Shale with hard sand shells.
780'	840'	140'	Blue Shale - Hard. (Total' Error.)
840'	860'	20'	Sand and blue shale.
860'	890'	30'	Blue shale and shells.
890'	1005'	115'	Blue shale.
1005'	1295'	290'	Blue shale - gritty and hard.
1295'	1555'	260'	Blue shale.
1555'	1610'	55'	Blue shale - soft.

FROM	TO	TOTAL FEET	FORMATION
1610'	1740'	130'	Blue shale.
-1740'	1800'	60'	Hard shells of blue gritty shale.
1800'	1840'	40'	White iron and blue shells.
1840'	1875'	35'	Sandy shale - hard. shale
1875'	1890'	15'	Blue shale mixed with white iron-hard
1890'	1915'	25'	Blue shale and shells.
1915'	1935'	20'	Sand - Hard - Gas.
1935'	1940'	5'	Sand and shale.
1940'	1950'	10'	Blue shale.
1950'	1955'	5'	Hard sand.
1955'	1960'	5'	Sand - Gas.

Redrilled by Crystal Carbon Company.

Commenced Redrilling June 7 1927.

1960'	19718	11'	Sand.
1971'	2003'	32'	Sand.
2003'	2010'	7'	Shale.
2010'	2023'	13'	Red Rock.
2023'	2035'	12'	Sand.
2035'	2040'	5'	White shale.
2040'	2045'	5'	Sand.
2045'	2054'	9'	Shale.
2054'	2068'	14'	Sand.
2068'	2093'	25'	Red Lime.
2093'	2113'	20'	Sand - Lime.
2113'	2208'	95'	Red Lime.
2208'	2228'	20'	Sand. Showing of Oil.
2228'	2318'	90'	Lime shells.
2318'	2325'	7'	Sand - Gas.
2325'	2335'	10'	Sand shells.
2335'	2360'	25'	Sand. Water - 2 Bails full.
2360'	2395'	35'	Sand and Lime.
2395'	2414'	19'	Red Rock.

Finished Redrilling July 31 1927.

Crystal Carbon Co. #1, NWSE NE 25-208-21E

OCT 1926 Utah Oil & Refining Co. Well #1, NE  
25-208-21E (S.L. 033133-A)

This is a gas well which will be used to manufacture carbon black. At present the well is supplying gas to drill a second well and for carb use.

1926

Crystal Carbon Co. Well #1  
1927

Drilling at a depth of 1960'. (Lessee's Report)

Crystal Carbon Co. Well #1,  
1927

Drilling temporarily shut down at 2,256'. Intend to clean out and drill deeper in near future. (Lessee's Monthly Report).

Crystal Carbon Co., Well #1  
NW SE NE Sec. 25-208-21E (S.L. 033133-A)

SEP 1927

The log on file in this office shows that this well was drilled deeper from June 7, 1927 to July 31, 1927. The old depth drilled by the Utah Oil & Refining Co., in 1924 was 1960'. The total depth is now 2414'. Producing gas sand 2318'-2325'. I. P. 1,729,000 cu. ft. R. P. from 300 to 400 lbs.

CISCO DOME - Grand County

25-208-21E W SE NE, Crystal Carbon Co., Well #1 (S.L. 033133-A)

Ref. No. 1. JUNE, 1938

STATUS: GSI. T.D. 2414'.

REMARKS: Drilling machine set up at this well for plugging and abandonment, and destroyed by fire in May, 1938, has been rebuilt and plugging work will start immediately. Proposed deepening of this well to test lower formations has been abandoned due to inability of contractor to obtain leases on vacant Government land within the defined limits of the structure.

Produced by

**Crystal Carbon Co. Well #1, NWSE 25, 20S, 21E, 31A**

has suspended operations on their properties near Cisco, S. L. permit S. L. 035135 is still shut in. 4/10/1925  
Utah Oil Refining Co. has suspended operations on this field. The gas well in Sec. 25, T. 20 S., R. 21 E., is still shut in, S. L. permit 035135.

**NOV 1925**  
[REDACTED]

The well is still shut in, as there is no market for the gas. About 200,000 cu. ft. of gas were found between 1500' and 1600'. All other operations on this structure have been suspended.

**NOV 1925** Utah Oil Refining Co., well #1, NE Sec. 25-20S-21E (S. L. 035135)

Operations on this structure are still suspended.

**JAN 1926** The Utah Oil Refining Co., well #1, NE Sec. 25-20S-21E (S. L. 035135)

There is no activity on the Cisco structure at this time. well #1, formerly a 10,000,000' gas well, is now shut in.

**MAY 1926** Utah Oil & Refining Co. Well #1, NE Sec. 25-20S-21E (S. L. 035135)

Gas well shut in. (Lessee's report)

**MAY 1926** Utah Oil & Refg. Co. Well #1, NE Sec. 25-20S-21E (S. L. 035135)

This well completed in October 1924 with an estimated flow of 12 million cu. ft. of gas encountered at 1600' in the Dakota series.

The operating rights of this permit have been assigned to C. F. Clay, First National Bank Bldg., Denver, Colo. Permission has been granted to use this gas for making carbon black.

**MAY 1926** Utah Oil Refining Co. #1, NE Sec. 25-20S-21E (S. L. 035135)

This is a gas well shut in. The Utah Oil Refining Co. reports that the United Carbon Black Co. has purchased the well and will install a carbon black plant. (7-6-26, Utah Oil Refining Co.)

**AUG 1926** Utah Oil Refining Co. Well #1, NE Sec. 25-20S-21E (S. L. 035135)

This is a gas well with a report capacity of 8,000,000 cu. ft. and shut in. The report that the United Carbon Black Company has purchased the well for making carbon black has not been verified.

**POOL 035135** Utah Oil & Refining Co., Well #1, NE Sec. 25-20S-21E (S. L. 035135)

This is a gas well which will be used to manufacture carbon black. A camp has been opened and work on the plant will start soon. (Well visited 9-26-26)

**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING	
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATING CASING	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL	<b>X</b>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY	

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

Denver, Colorado, June 1, 1936

Following is a ~~notice of intention to do work~~ <sup>notice of intention to do work</sup> on land under ~~lease~~ <sup>lease</sup> described as follows:

Utah Grand County Cisco Field  
 (State or Territory) (County or Subdivision) (Field)  
 Well No. 1 NE 1/4 Sec 25 20 S 21 E S.L.M.  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located <sup>1965</sup> ~~1000~~ ft. <sup>N</sup> of ~~N~~ line and ~~1000~~ ft. <sup>W</sup> of ~~E~~ line of sec. 25

The elevation of the derrick floor above sea level is ~~5035~~ ft.

**DETAILS OF PLAN 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.)

Fill hole with cement through and above the top of the gas sand, then fill hole to the surface with heavy mud and cement plug at the top, with four inch pipe projecting four feet above the ground.

Approved (SEE ATTACHED) NOV 20, 1937  
*[Signature]*  
 W. W. Henderson  
 Title District Engineer  
 306 Federal Bldg. GEOLOGICAL SURVEY  
 Address Salt Lake City, Utah.

Company C. A. Urban, Trustee  
 By *[Signature]*  
 Title Attorney in Fact  
 Address 1130 First Nat'l Bank Bldg  
 Denver, Colorado

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

308 General Building, Salt Lake City, Utah, when hole has been cleaned out to required depth so that a representative of the Survey may be present to supervise further abandonment work.

2. Hole will be cleaned out to 2335' and solidly bridged between 2325 and 2225'. The 3" liner, perforated at 2321' will then be shot with sufficient explosive to destroy pipe and permit cement to have access to face of gas sand at 2318 to 2325'. 10 sacks of cement to be placed on top of bridge with dump bailer after shooting. Hole will then be filled with heavy mud fluid to point where 5-3/16" casing is to be parted and solidly bridged on top of mud fluid. The 5-3/16" casing will then be parted and recovered. A cement plug of 15 sacks to be placed on top of 5-3/16" stub left in hole. The 10", 12 $\frac{1}{2}$ " and 15 $\frac{1}{2}$ " strings may then be recovered by filling hole with mud fluid to shoe joint of next larger string as each string is pulled. A cement plug of 10 sacks will be placed on top of 15 $\frac{1}{2}$ " stub and remainder of hole filled to surface with mud fluid.
3. A permanent marker, consisting of not less than 10' of iron pipe, not less than 4" in diameter, and extending 4' above the surface to be cemented in the collar of the well.
4. A supplementary report of final abandonment (in triplicate on form 9-331) to be submitted to this office when the work is finished. This report to give a detailed account of the manner in which the work was actually carried out, including the nature and quantities of materials used in plugging and the location and extent (by depths) of the plugs of various materials. Records of amounts, size and locations (by depths) of all casing left in the well, and the names and positions of employees who carried on the work should be included. THIS REPORT MUST BE SIGNED TO BY THE EMPLOYEE ACTUALLY IN CHARGE OF THE WORK.

2000 0000

(SUBMIT IN TRIPLICATE)

U. S. Land Office Salt Lake  
Lease NUMBER No. 0331331

Allottee

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lease No.

25

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF WATER SHUT OFF
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO ABANDON WELL	SUBSEQUENT REPORT OF ALTERING CASING
	SUBSEQUENT REPORT OF REPAIRING OR REPAIR
	SUBSEQUENT REPORT OF ABANDONMENT
	SUPPLEMENTARY WELL HISTORY

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

101, 111, 112

*mountain*

April 10, 1941

Well No. 1 is located 1965 ft. from <sup>[N]</sup>~~[E]~~ line and 1080 ft. from <sup>[E]</sup>~~[N]~~ line of sec. 25

SENEC sec. 25  
(1/4 Sec. and Sec. No.)

T. 20 S., R. 21 E.  
(Twp.) (Range)

Salt Lake  
(Meridian)

Cisco  
(Field)

Grand  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5035 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)

Plugging and abandonment of this well commenced July 7, 1939, by Golden Brothers of Grand Junction, Colorado, under the supervision of W. H. Johnston of the U. S. Geological Survey. Hole was cleaned out to 2335 feet and bridged solidly between 2335 and 2325 feet. The 3-inch tubing was shot at 2310 feet and 2176 feet of it pulled, leaving 134 feet of 3-inch tubing in the hole. A cement plug of 20 sacks was placed on top of stub of 3-inch tubing, top of plug being at 2145 feet. Hole mudded from 2145 feet to 1920 feet, and bridged from 1920 to 1910 feet. The 5-3/16-inch casing was shot at 1910 feet and 1918 feet of the 5-3/16-inch recovered. A cement plug of 15 sacks was placed on top of stub of 5-3/16-inch casing, top of plug being at 1870 feet. The 15 1/2-inch casing set at 857 feet, the 12 1/2-inch casing set at 1610 feet, and the 10-inch casing set at 1948 feet, were found to have been frozen together by cement poured in the annular spaces at the surface, and could not be recovered, although the 10-inch casing was shot at numerous points. The hole was filled with mud to the surface.

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

Company C. A. Urban, Trustee

Address 1130 First National Bank Bldg.

Denver, Colorado

By *W. C. Benton*  
W. C. Benton  
Title Attorney in Fact

and the well kept under observation for approximately 10 days to determine whether refilling was necessary, after which time an 8-inch marker was cemented in place and filled to the top with cement. Abandonment work was completed about August 7, 1939. An inspection of the well location and marker was made on April 8, 1941 by the District Engineer of the Geological Survey, and found to be in a satisfactory condition.

April 14, 1941

*Costantman*