

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Lease Navajo 14-20-603-2676

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Caswell Silver** Address **323 Simms Building**
Lessor or Tract **Indian** Field **Star Lake** State **New Mexico**
Well No. **1-17** Sec. **17** T. **19N** R. **5W** Meridian **NMPM** County **McKinley**
Location **430** ft. [N.] of **N** Line and **430** ft. [E.] of **W** Line of **Section 17** Elevation **6614 G. L.**
(Derrick floor relative to sea level)

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

Signed

Date **May 14, 1958**Title **Operator**

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

Commenced drilling **2-23-58**, 19____ Finished drilling **4-3-58**, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1884** to **1901** No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **None** to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	24	1 8 rd	Smis	31.90	bellied				Surface
5 1/2	15.5	2 rd	Smis	1940	ream		1885	1900	Production

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
Fractured with 16000 gallons lease oil, 16000 lbs sand. 1885-1900. Injection rate 28 bbls/min. Breakdown pressure 16000 p.s.i. Injection pressure 15000 p.s.i.						

TOOLS USED

Rotary tools were used from **0** feet to **1650** feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____**May 14**_____, 19**58**_____**Pumping** Put to producing _____**May 14**_____, 19**58**_____The production for the first 24 hours was **55** barrels of fluid of which **90** % was oil; _____ % emulsion; **10** % water; and **0** % sediment. Gravity, °Bé. **38.9**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____**T. F. Manion**_____, Driller _____**E. J. Dyer**_____, Driller_____**C. L. Higginbottom**_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Shale
40	215	175	Shale
215	507	292	Sand & Shale
507	538	31	Sand & Shale
538	667	129	Sand & Shale
667	845	178	Sand
1052	1133	81	Sand & Shale
1133	1283	150	Sand & Shale
1283	1581	298	Sand & Shale
1581	1715	231	Sand & Shale
1715	1923	208	Sand & Shale
1923	1949	26	Sand

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

16-43094-8

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL

11 aelbst

LOCATED / ALL CORRECTLY

The information given in this report 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 _____

Date May 14, 1938

Inspector _____

Location _____
Section _____
Well No. _____
Date of Completion _____
Field _____
County _____
State _____
City _____

Company _____

SECRET

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

44-38861-5

61-2-4

61

OIL OR GAS SANDS OR ZONES?

(D) (5) ACP, (D) (5) DPP

1043

4541

mon. 1.6%

435

No. 2, 1901

10-

mon, 2.6%

01 .

70% 80%

IMPORTANT WATER HANDS

2306

spot, 1.0%

at

moti, 2.0%

CASING RECORD

Order	Per cent	Thrust	Direction	Kind of stone	Quantity of stone	From	To	Purpose
37	45	1	3	9	0.20	boiled		to pump out water

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
1423	1442	20	Sand
1415	1443	28	Sand & Shale
1381	1415	34	Sand & Shale
1383	1381	2	Sand & Shale
1133	1383	1250	Sand & Shale
1052	1133	81	Sand & Shale
667	1052	385	Sand
538	667	129	Sand & Shale
507	538	31	Sand & Shale
512	507	5	Sand & Shale
40	512	172	Shale
0	40	40	Shale

FORMATION RECORD			
FORMATION	TOTAL FEET		
Sand	20		
Sand & Shale	28		
Sand & Shale	34		
Sand & Shale	2		
Sand & Shale	1250		
Sand	81		
Sand & Shale	385		
Sand & Shale	5		
Sand & Shale	172		
Sand	40		

EMPLOYEES	
Driller	1
Driller	1

TOOL USED	
Drill pipe	1000
Drill bit	1
Drill collar	1

SHOOTING RECORD	
Shots fired	1000
Shots missed	1
Shots hit	1

MUDLOG AND CEMENTING RECORD	
Mud log	1000
Cementing	1
Mud log	1

RECEIVED