

U. S. LAND OFFICE Ute Indian Mountain
SERIAL NUMBER Tribal Contract No.
14-88-604-123
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Union Gas Company Address 1001 Bart Building, Dallas Texas
Lessor or Tract Ute-Indian Field Wildcat State New Mexico
Well No. 1 Sec. 23 T. 31N R. 15W Meridian N.M.P.M. County San Juan
Location 420 ft. {N} of N Line and 190 ft. {E} of E Line of Section 23 Elevation 5761
(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 *A. M. Wedekind*
A. M. Wedekind
Date February 4, 1957 Title Mgr. Exploration

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

Commenced drilling ----- 11-25- 1956 Finished drilling ----- 12-9- 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2534 to 2592 (011) 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	105-100	100	Halliburton		
7-1/2	2649 OL	100	Halliburton		
2-3/8	2535'				

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
Perforated 25 3/4-25 9/16, Acidized with 25,996 gallons oil and 25,000 gal.			500 gallons sand		acid. San	fract with

TOOLS USED

Rotary tools were used from 0 feet to 2715 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----, 19-
Put to producing -----, 19-

The production for the first 24 hours was 600 (12 lbs. of Seed Wash) _____% 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

Smith Drilling Corp.	Driller	C. J. Hughes	Driller
Elm Linton	Driller	Orval Cook	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	29	29	Hard Clay & Rocks
29	85	56	Rock & Clay
85	159	74	Hard Clay & Rock
159	253	94	Hard Clay & Boulders
253	291	38	Hard sharp sand, sandy lime
291	345	54	Hard sand, shale & coal
345	396	51	Hard sand, shale, coal & lime
396	459	63	Hard sand & shale
459	585	26	Hard sand, shale & coal
585	820	235	Sand & shale
820	1009	189	Sand, shale & coal
1009	1125	116	Hard sand & shale
1125	1416	291	Sand & shale
1416	1477	61	Hard sand, shale & coal
1477	1617	140	Sand, shale & coal
1617	1675	68	Sand & shale
1675	1712	37	Shale
1712	1810	98	Sand & shale
1810	1950	140	Shale
1950	2097	147	Shale & sand
2097	2172	75	Soft Shale
2172	2218	46	Shale & sand
2218	2353	135	Shale
2353	2527	174	Sand & shale
2527	2570	43	Shale
2570	2665	95	Sand & shale
2665	2715	50	Shale

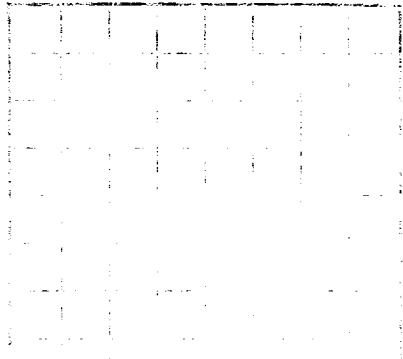
TOPS
Total to 2530

16-43094-4

U.S. LAND OFFICE
GENERAL NUMBER
I have the honor to inform you

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



The following is a log of the well described above, showing the results of the tests made, and the nature of the formations encountered. The log is to be filled out by the operator of the well, and should be kept as a permanent record of the well's history.

OIL OR GAS SANDS OR SONES

(Depth in feet)

10.0 to 10.5 feet
10.5 to 11.0 feet
11.0 to 11.5 feet

IMPORTANT WATER SANDS

11.5 to 12.0 feet
12.0 to 12.5 feet

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

10-43084-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-		TO-		TOTAL FEET		FORMATION	
10.0		10.5		0.5		OIL SANDS	
10.5		11.0		0.5		OIL SANDS	
11.0		11.5		0.5		OIL SANDS	
11.5		12.0		0.5		OIL SANDS	
12.0		12.5		0.5		OIL SANDS	
12.5		13.0		0.5		OIL SANDS	
13.0		13.5		0.5		OIL SANDS	
13.5		14.0		0.5		OIL SANDS	
14.0		14.5		0.5		OIL SANDS	
14.5		15.0		0.5		OIL SANDS	
15.0		15.5		0.5		OIL SANDS	
15.5		16.0		0.5		OIL SANDS	
16.0		16.5		0.5		OIL SANDS	
16.5		17.0		0.5		OIL SANDS	
17.0		17.5		0.5		OIL SANDS	
17.5		18.0		0.5		OIL SANDS	
18.0		18.5		0.5		OIL SANDS	
18.5		19.0		0.5		OIL SANDS	
19.0		19.5		0.5		OIL SANDS	
19.5		20.0		0.5		OIL SANDS	
20.0		20.5		0.5		OIL SANDS	
20.5		21.0		0.5		OIL SANDS	
21.0		21.5		0.5		OIL SANDS	
21.5		22.0		0.5		OIL SANDS	
22.0		22.5		0.5		OIL SANDS	
22.5		23.0		0.5		OIL SANDS	
23.0		23.5		0.5		OIL SANDS	
23.5		24.0		0.5		OIL SANDS	
24.0		24.5		0.5		OIL SANDS	
24.5		25.0		0.5		OIL SANDS	
25.0		25.5		0.5		OIL SANDS	
25.5		26.0		0.5		OIL SANDS	
26.0		26.5		0.5		OIL SANDS	
26.5		27.0		0.5		OIL SANDS	
27.0		27.5		0.5		OIL SANDS	
27.5		28.0		0.5		OIL SANDS	
28.0		28.5		0.5		OIL SANDS	
28.5		29.0		0.5		OIL SANDS	
29.0		29.5		0.5		OIL SANDS	
29.5		30.0		0.5		OIL SANDS	
30.0		30.5		0.5		OIL SANDS	
30.5		31.0		0.5		OIL SANDS	
31.0		31.5		0.5		OIL SANDS	
31.5		32.0		0.5		OIL SANDS	
32.0		32.5		0.5		OIL SANDS	
32.5		33.0		0.5		OIL SANDS	
33.0		33.5		0.5		OIL SANDS	
33.5		34.0		0.5		OIL SANDS	
34.0		34.5		0.5		OIL SANDS	
34.5		35.0		0.5		OIL SANDS	
35.0		35.5		0.5		OIL SANDS	
35.5		36.0		0.5		OIL SANDS	
36.0		36.5		0.5		OIL SANDS	
36.5		37.0		0.5		OIL SANDS	
37.0		37.5		0.5		OIL SANDS	
37.5		38.0		0.5		OIL SANDS	
38.0		38.5		0.5		OIL SANDS	
38.5		39.0		0.5		OIL SANDS	
39.0		39.5		0.5		OIL SANDS	
39.5		40.0		0.5		OIL SANDS	
40.0		40.5		0.5		OIL SANDS	
40.5		41.0		0.5		OIL SANDS	
41.0		41.5		0.5		OIL SANDS	
41.5		42.0		0.5		OIL SANDS	
42.0		42.5		0.5		OIL SANDS	
42.5		43.0		0.5		OIL SANDS	
43.0		43.5		0.5		OIL SANDS	
43.5		44.0		0.5		OIL SANDS	
44.0		44.5		0.5		OIL SANDS	
44.5		45.0		0.5		OIL SANDS	
45.0		45.5		0.5		OIL SANDS	
45.5		46.0		0.5		OIL SANDS	
46.0		46.5		0.5		OIL SANDS	
46.5		47.0		0.5		OIL SANDS	
47.0		47.5		0.5		OIL SANDS	
47.5		48.0		0.5		OIL SANDS	
48.0		48.5		0.5		OIL SANDS	
48.5		49.0		0.5		OIL SANDS	
49.0		49.5		0.5		OIL SANDS	
49.5		50.0		0.5		OIL SANDS	
50.0		50.5		0.5		OIL SANDS	
50.5		51.0		0.5		OIL SANDS	
51.0		51.5		0.5		OIL SANDS	
51.5		52.0		0.5		OIL SANDS	
52.0		52.5		0.5		OIL SANDS	
52.5		53.0		0.5		OIL SANDS	
53.0		53.5		0.5		OIL SANDS	
53.5		54.0		0.5		OIL SANDS	
54.0		54.5		0.5		OIL SANDS	
54.5		55.0		0.5		OIL SANDS	
55.0		55.5		0.5		OIL SANDS	
55.5		56.0		0.5		OIL SANDS	
56.0		56.5		0.5		OIL SANDS	
56.5		57.0		0.5		OIL SANDS	
57.0		57.5		0.5		OIL SANDS	
57.5		58.0		0.5		OIL SANDS	
58.0		58.5		0.5		OIL SANDS	
58.5		59.0		0.5		OIL SANDS	
59.0		59.5		0.5		OIL SANDS	
59.5		60.0		0.5		OIL SANDS	
60.0		60.5		0.5		OIL SANDS	
60.5		61.0		0.5		OIL SANDS	
61.0		61.5		0.5		OIL SANDS	