

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078040 "a"
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 1104 Bert Bldg., Dallas, Texas
Lessor or Tract Childers Field Blanco-LaPlata State New Mexico
Well No. 1 Sec. 1 T 31N R. 11W Meridian N.M.P.M. County San Juan
Location 890 ft. { N } of 3 Line and 1650 ft. { E } of W Line of Section 1 Elevation 6053
(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 7, 1952 Title Manager Exploration Dept.

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

Commenced drilling **November 12, 1951**, 19..... Finished drilling **February 27**, 19, **52**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5040 to 5318 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—	
10-3/4 40.5	40.5		H40	165					Surface Production
HISOKA OF OUT OF CVD METE									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	152'	100	Halliburton		
5-1/2	5006'	225	"		

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
		nitro glycerine	698 qts.	2/25	5053-5318	To 22 5318'
		Well tested 198 MCF before	shot, and	2210 MCF	19 hours	
		after shot				

TOOLS USED

Rotary tools were used from 0 feet to 1995 feet, and from _____ feet to _____ feet

Cable tools were used from 4995 feet to 5318 feet, and from _____ feet to _____ feet.

DATES

2-29-52 _____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. **6 hour test after well was closed in** Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 4500 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1110

EMPLOYEES

EMPLOYEES		
Demman Drilling Company, Contractor on Rotary tools	J. P. Smith	Driller
" L. A. Jones	G. E. Yeater	Driller

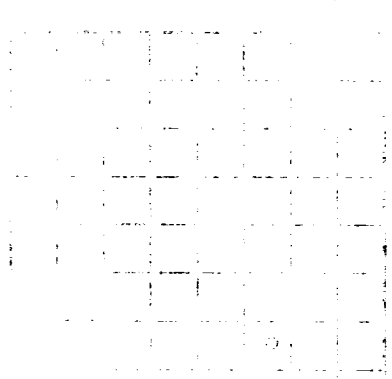
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	125	125	Surface
125	175	50	Shale, Rock & sand
175	748	573	Rock and shale
748	1946	1198	Sand and shale
1946	2211	265	Shale
2211	2695	484	Sand and shale
2695	2728	23	Shale
2728	2756	28	Coal
2756	3020	264	Sand and shale
3020	3179	159	Shale
3179	3290	111	Sand and shale
3290	3510	220	Shale
3510	3575	65	Sandy shale
3575	3790	215	Shale
3790	3830	40	Sandy shale
3830	3936	106	Shale
3936	3987	51	Sandy shale
3987	4040	53	Shale
4040	4060	20	Sand and shale
4060	4075	15	Shale
4075	4190	122	Sand and shale
4197	4320	123	Shale
4320	4349	29	Sand and shale
4349	4391	42	Sandy shale
4391	4512	121	Sand and shale
4512	4566	54	Sand

U.S. GOVERNMENT PRINTING OFFICE
1917

DEPARTMENT OF THE INTERIOR
BUREAU OF GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



1. Name of well
2. Location
3. Date of completion
4. Name of operator
5. Name of driller
6. Name of logger
7. Name of owner
8. Name of lessee
9. Name of agent
10. Name of engineer
11. Name of geologist
12. Name of chemist
13. Name of physicist
14. Name of biologist
15. Name of mineralogist
16. Name of zoologist
17. Name of botanist
18. Name of geographer
19. Name of meteorologist
20. Name of astronomer
21. Name of physicist
22. Name of chemist
23. Name of biologist
24. Name of geologist
25. Name of mineralogist
26. Name of zoologist
27. Name of botanist
28. Name of geographer
29. Name of meteorologist
30. Name of astronomer

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

HISTORY OF OIL OR GAS WELL

FROM	TO	TOTAL FEET	FORMATION
4977	5006	29	Sand and shale
5006	5010	4	Sand and shale
5010	5030	20	Sand and shale
5030	5035	5	Sand and shale
5035	5040	5	Sand and shale
5040	5045	5	Sand and shale
5045	5050	5	Sand and shale
5050	5055	5	Sand and shale
5055	5060	5	Sand and shale
5060	5065	5	Sand and shale
5065	5070	5	Sand and shale
5070	5075	5	Sand and shale
5075	5080	5	Sand and shale
5080	5085	5	Sand and shale
5085	5090	5	Sand and shale
5090	5095	5	Sand and shale
5095	5100	5	Sand and shale
5100	5105	5	Sand and shale
5105	5110	5	Sand and shale
5110	5115	5	Sand and shale
5115	5120	5	Sand and shale
5120	5125	5	Sand and shale
5125	5130	5	Sand and shale
5130	5135	5	Sand and shale
5135	5140	5	Sand and shale
5140	5145	5	Sand and shale
5145	5150	5	Sand and shale
5150	5155	5	Sand and shale
5155	5160	5	Sand and shale
5160	5165	5	Sand and shale
5165	5170	5	Sand and shale
5170	5175	5	Sand and shale
5175	5180	5	Sand and shale
5180	5185	5	Sand and shale
5185	5190	5	Sand and shale
5190	5195	5	Sand and shale
5195	5200	5	Sand and shale
5200	5205	5	Sand and shale
5205	5210	5	Sand and shale
5210	5215	5	Sand and shale
5215	5220	5	Sand and shale
5220	5225	5	Sand and shale
5225	5230	5	Sand and shale
5230	5235	5	Sand and shale
5235	5240	5	Sand and shale
5240	5245	5	Sand and shale
5245	5250	5	Sand and shale
5250	5255	5	Sand and shale
5255	5260	5	Sand and shale
5260	5265	5	Sand and shale
5265	5270	5	Sand and shale
5270	5275	5	Sand and shale
5275	5280	5	Sand and shale
5280	5285	5	Sand and shale
5285	5290	5	Sand and shale
5290	5295	5	Sand and shale
5295	5300	5	Sand and shale
5300	5305	5	Sand and shale
5305	5310	5	Sand and shale
5310	5315	5	Sand and shale
5315	5320	5	Sand and shale
5320	5325	5	Sand and shale
5325	5330	5	Sand and shale
5330	5335	5	Sand and shale
5335	5340	5	Sand and shale
5340	5345	5	Sand and shale
5345	5350	5	Sand and shale
5350	5355	5	Sand and shale
5355	5360	5	Sand and shale
5360	5365	5	Sand and shale
5365	5370	5	Sand and shale
5370	5375	5	Sand and shale
5375	5380	5	Sand and shale
5380	5385	5	Sand and shale
5385	5390	5	Sand and shale
5390	5395	5	Sand and shale
5395	5400	5	Sand and shale
5400	5405	5	Sand and shale
5405	5410	5	Sand and shale
5410	5415	5	Sand and shale
5415	5420	5	Sand and shale
5420	5425	5	Sand and shale
5425	5430	5	Sand and shale
5430	5435	5	Sand and shale
5435	5440	5	Sand and shale
5440	5445	5	Sand and shale
5445	5450	5	Sand and shale
5450	5455	5	Sand and shale
5455	5460	5	Sand and shale
5460	5465	5	Sand and shale
5465	5470	5	Sand and shale
5470	5475	5	Sand and shale
5475	5480	5	Sand and shale
5480	5485	5	Sand and shale
5485	5490	5	Sand and shale
5490	5495	5	Sand and shale
5495	5500	5	Sand and shale
5500	5505	5	Sand and shale
5505	5510	5	Sand and shale
5510	5515	5	Sand and shale
5515	5520	5	Sand and shale
5520	5525	5	Sand and shale
5525	5530	5	Sand and shale
5530	5535	5	Sand and shale
5535	5540	5	Sand and shale
5540	5545	5	Sand and shale
5545	5550	5	Sand and shale
5550	5555	5	Sand and shale
5555	5560	5	Sand and shale
5560	5565	5	Sand and shale
5565	5570	5	Sand and shale
5570	5575	5	Sand and shale
5575	5580	5	Sand and shale
5580	5585	5	Sand and shale
5585	5590	5	Sand and shale
5590	5595	5	Sand and shale
5595	5600	5	Sand and shale
5600	5605	5	Sand and shale
5605	5610	5	Sand and shale
5610	5615	5	Sand and shale
5615	5620	5	Sand and shale
5620	5625	5	Sand and shale
5625	5630	5	Sand and shale
5630	5635	5	Sand and shale
5635	5640	5	Sand and shale
5640	5645	5	Sand and shale
5645	5650	5	Sand and shale
5650	5655	5	Sand and shale
5655	5660	5	Sand and shale
5660	5665	5	Sand and shale
5665	5670	5	Sand and shale
5670	5675	5	Sand and shale
5675	5680	5	Sand and shale
5680	5685	5	Sand and shale
5685	5690	5	Sand and shale
5690	5695	5	Sand and shale
5695	5700	5	Sand and shale
5700	5705	5	Sand and shale
5705	5710	5	Sand and shale
5710	5715	5	Sand and shale
5715	5720	5	Sand and shale
5720	5725	5	Sand and shale
5725	5730	5	Sand and shale
5730	5735	5	Sand and shale
5735	5740	5	Sand and shale
5740	5745	5	Sand and shale
5745	5750	5	Sand and shale
5750	5755	5	Sand and shale
5755	5760	5	Sand and shale
5760	5765	5	Sand and shale
5765	5770	5	Sand and shale
5770	5775	5	Sand and shale
5775	5780	5	Sand and shale
5780	5785	5	Sand and shale
5785	5790	5	Sand and shale
5790	5795	5	Sand and shale
5795	5800	5	Sand and shale
5800	5805	5	Sand and shale
5805	5810	5	Sand and shale
5810	5815	5	Sand and shale
5815	5820	5	Sand and shale
5820	5825	5	Sand and shale
5825	5830	5	Sand and shale
5830	5835	5	Sand and shale
5835	5840	5	Sand and shale
5840	5845	5	Sand and shale
5845	5850	5	Sand and shale
5850	5855	5	Sand and shale
5855	5860	5	Sand and shale
5860	5865	5	Sand and shale
5865	5870	5	Sand and shale
5870	5875	5	Sand and shale
5875	5880	5	Sand and shale
5880	5885	5	Sand and shale
5885	5890	5	Sand and shale
5890	5895	5	Sand and shale
5895	5900	5	Sand and shale
5900	5905	5	Sand and shale
5905	5910	5	Sand and shale
5910	5915	5	Sand and shale
5915	5920	5	Sand and shale
5920	5925	5	Sand and shale
5925	5930	5	Sand and shale
5930	5935	5	Sand and shale
5935	5940	5	Sand and shale
5940	5945	5	Sand and shale
5945	5950	5	Sand and shale
5950	5955	5	Sand and shale
5955	5960	5	Sand and shale
5960	5965	5	Sand and shale
5965	5970	5	Sand and shale
5970	5975	5	Sand and shale
5975	5980	5	Sand and shale
5980	5985	5	Sand and shale
5985	5990	5	Sand and shale
5990	5995	5	Sand and shale
5995	6000	5	Sand and shale

Formation tops:
Placed cists (43269) 2820
Cliff House (43399) 4550
Hemlock Point Lookout (43449) 5040
This is a Point Lookout well.