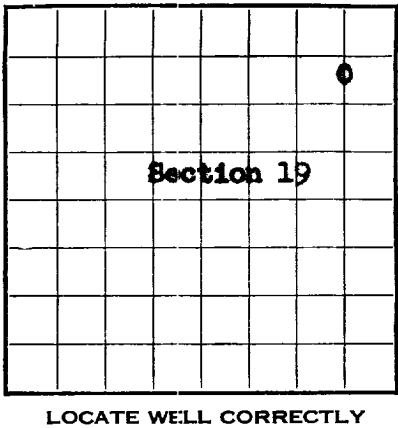


Form 9-330

Santa Fe
U. S. LAND OFFICE
SERIAL NUMBER **SF 078433**
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Southern Union Gas Company** Address **1001 Burt Building, Dallas 1, Texas**
Lessor or Tract **Newsom** Field **Ballard Pictured Cliffs** State **New Mexico**
Well No. **2** Sec. **19** T. **26-N** R. **8-W** Meridian **N.M.P.M.** County **San Juan**
Location **990** ft. (N) of **11** Line and **990** (E) of **11** Line of **Section 19** Elevation **6257**
(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. Wiederkehr** Title **Manager, Exploration Dept.**
Date **June 21, 1955**

The summary on this page is for the condition of the well at above date.
Commenced drilling **April 3**, 19**55** Finished drilling **May 5**, 19**55**

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

No. 1, from **1962** to **2040 (G)** No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

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—	
9 5/8"	36.00	8	Y-53	96.36					surface production
5 1/2"	25.00	8	Y-53	196.37					
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	97' GL	125 sacks	Halliburton		
5 1/2"	1962' RKB	150 sacks	Halliburton		
1"	2016'				

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
Sand fractured from 1962 feet to 2040 feet with 12,600 gallons oil and 15,000 sand						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **-0-** feet to **1962** feet, and from _____ feet to _____ feet

DATE

May 6, 19**55** 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 **1320.7 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **610#/29 days**

EMPLOYEES

Benson-Martin-Greer Drilling Corp. **Tommy Lewis**, Driller
J. R. Greene, Driller **A. Y. Old**, Driller
L. V. Stone

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	40	40	Sand
40	55	15	Sand & Blue Shale
55	92	37	Cement
92	590	498	Sand & Shale
590	1860	1270	Sand & Shale
1860	1958	98	Shale, Coal, & Sand
1958	2000	42	Sand
2000	2040	40	Bentonitic Sand
2040	2045	5	Shale

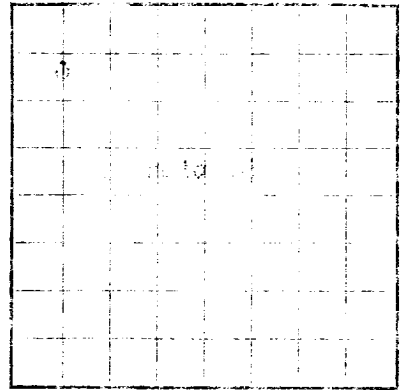
Top: Pictured Cliffs 1962 feet

2025 RELEASE UNDER E.O. 14176

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Date _____
 Title _____
 Signature _____
 The information given herewith is as complete and correct as possible and all work done thereon so far as can be determined from all available records.
 Location _____
 Section _____ of _____ Township _____ Range _____ of _____
 North _____ East _____
 Sec. _____ T. _____ R. _____
 Section or Tract _____
 Field No. _____ State _____
 Address _____
 Company _____

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

OIL OR GAS SANDS OR ZONES

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

(Stamp: RECEIVED JUL 10 1968)

IMPORTANT WATER SALES

of	Mon: 3.0%	of	Mon: 3.0%
of	Mon: 4.0%	of	Mon: 3.0%

CASING RECORD

Q10	Weight per foot	Thrust in lb	Make	Comment	Min. distance from and width from	Reference to	Remarks

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

MURKIN, THE HEATING RECORD

beat	beat name	beat number	beat name	beat number	beat name	beat number
1	beat 1	1	beat 2	2	beat 3	3
2	beat 4	4	beat 5	5	beat 6	6
3	beat 7	7	beat 8	8	beat 9	9
4	beat 10	10	beat 11	11	beat 12	12
5	beat 13	13	beat 14	14	beat 15	15
6	beat 16	16	beat 17	17	beat 18	18
7	beat 19	19	beat 20	20	beat 21	21
8	beat 22	22	beat 23	23	beat 24	24
9	beat 25	25	beat 26	26	beat 27	27
10	beat 28	28	beat 29	29	beat 30	30
11	beat 31	31	beat 32	32	beat 33	33
12	beat 34	34	beat 35	35	beat 36	36
13	beat 37	37	beat 38	38	beat 39	39
14	beat 40	40	beat 41	41	beat 42	42
15	beat 43	43	beat 44	44	beat 45	45
16	beat 46	46	beat 47	47	beat 48	48
17	beat 49	49	beat 50	50	beat 51	51
18	beat 52	52	beat 53	53	beat 54	54
19	beat 55	55	beat 56	56	beat 57	57
20	beat 58	58	beat 59	59	beat 60	60
21	beat 61	61	beat 62	62	beat 63	63
22	beat 64	64	beat 65	65	beat 66	66
23	beat 67	67	beat 68	68	beat 69	69
24	beat 70	70	beat 71	71	beat 72	72
25	beat 73	73	beat 74	74	beat 75	75
26	beat 76	76	beat 77	77	beat 78	78
27	beat 79	79	beat 80	80	beat 81	81
28	beat 82	82	beat 83	83	beat 84	84
29	beat 85	85	beat 86	86	beat 87	87
30	beat 88	88	beat 89	89	beat 90	90
31	beat 91	91	beat 92	92	beat 93	93
32	beat 94	94	beat 95	95	beat 96	96
33	beat 97	97	beat 98	98	beat 99	99
34	beat 100	100	beat 101	101	beat 102	102
35	beat 103	103	beat 104	104	beat 105	105
36	beat 106	106	beat 107	107	beat 108	108
37	beat 109	109	beat 110	110	beat 111	111
38	beat 112	112	beat 113	113	beat 114	114
39	beat 115	115	beat 116	116	beat 117	117
40	beat 118	118	beat 119	119	beat 120	120
41	beat 121	121	beat 122	122	beat 123	123
42	beat 124	124	beat 125	125	beat 126	126
43	beat 127	127	beat 128	128	beat 129	129
44	beat 130	130	beat 131	131	beat 132	132
45	beat 133	133	beat 134	134	beat 135	135
46	beat 136	136	beat 137	137	beat 138	138
47	beat 139	139	beat 140	140	beat 141	141
48	beat 142	142	beat 143	143	beat 144	144
49	beat 145	145	beat 146	146	beat 147	147
50	beat 148	148	beat 149	149	beat 150	150
51	beat 151	151	beat 152	152	beat 153	153
52	beat 154	154	beat 155	155	beat 156	156
53	beat 157	157	beat 158	158	beat 159	159
54	beat 160	160	beat 161	161	beat 162	162
55	beat 163	163	beat 164	164	beat 165	165
56	beat 166	166	beat 167	167	beat 168	168
57	beat 169	169	beat 170	170	beat 171	171
58	beat 172	172	beat 173	173	beat 174	174
59	beat 175	175	beat 176	176	beat 177	177
60	beat 178	178	beat 179	179	beat 180	180
61	beat 181	181	beat 182	182	beat 183	183
62	beat 184	184	beat 185	185	beat 186	186
63	beat 187	187	beat 188	188	beat 189	189
64	beat 190	190	beat 191	191	beat 192	192
65	beat 193	193	beat 194	194	beat 195	195
66	beat 196	196	beat 197	197	beat 198	198
67	beat 199	199	beat 200	200	beat 201	201
68	beat 202	202	beat 203	203	beat 204	204
69	beat 205	205	beat 206	206	beat 207	207
70	beat 208	208	beat 209	209	beat 210	210
71	beat 211	211	beat 212	212	beat 213	213
72	beat 214	214	beat 215	215	beat 216	216
73	beat 217	217	beat 218	218	beat 219	219
74	beat 220	220	beat 221	221	beat 222	222
75	beat 223	223	beat 224	224	beat 225	225
76	beat 226	226	beat 227	227	beat 228	228
77	beat 229	229	beat 230	230	beat 231	231
78	beat 232	232	beat 233	233	beat 234	234
79	beat 235	235	beat 236	236	beat 237	237
80	beat 238	238	beat 239	239	beat 240	240
81	beat 241	241	beat 242	242	beat 243	243
82	beat 244	244	beat 245	245	beat 246	246
83	beat 247	247	beat 248	248	beat 249	249
84	beat 250	250	beat 251	251	beat 252	252
85	beat 253	253	beat 254	254	beat 255	255
86	beat 256	256	beat 257	257	beat 258	258
87	beat 259	259	beat 260	260	beat 261	261
88	beat 262	262	beat 263	263	beat 264	264
89	beat 265	265	beat 266	266	beat 267	267
90	beat 268	268	beat 269	269	beat 270	270
91	beat 271	271	beat 272	272	beat 273	273
92	beat 274	274	beat 275	275	beat 276	276
93	beat 277	277	beat 278	278	beat 279	279
94	beat 280	280	beat 281	281	beat 282	282
95	beat 283	283	beat 284	284	beat 285	285
96	beat 286	286	beat 287	287	beat 288	288
97	beat 289	289	beat 290	290	beat 291	291
98	beat 292	292	beat 293	293	beat 294	294
99	beat 295	295	beat 296	296	beat 297	297
100	beat 298	298	beat 299	299	beat 300	300

PLUGS AND ADAPTERS

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TOOK OFF

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END PAGE

Officer	Officer	Officer	Officer
Officer	Officer	Officer	Officer

FORMATION RECORD

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