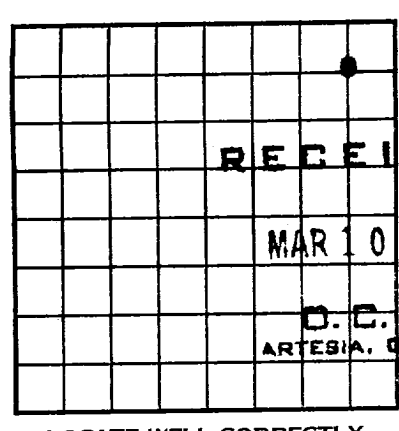


30-015-04934

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 029431  
LEASE OR PERMIT TO PROSPECT Geo. Ets



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Vickers Petroleum Co., Inc Address 201 W-L-H Bldg., Wichita, Kansas  
Lessor or Tract Geo. Ets Field Square Lake State New Mexico  
Well No. 2 Sec. 30 T. 16S R. 31E Meridian NM PM County Eddy  
Location 660 ft. {N} of N. Line and 660 ft. {E} of E. Line of NE4 Elevation 3868  
(Derriek 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 Amos S. Deane  
Date April 21, 1944 Title Geological Engineer

The summary on this page is for the condition of the well at above date. March 30  
Commenced drilling February 1st, 1944 Finished drilling April 5th, 1944

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

No. 1, from 3095 to 3100 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3153 to 3166 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 2457 to 2512 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>8 5/8"</u>	<u>24</u>	<u>3 1/2"</u>	<u>2nd Hand</u>	<u>200</u>	<u>None</u>	<u>None</u>			
<u>7 1/2"</u>	<u>19</u>	<u>3 1/2"</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>			
<u>5 1/2"</u>	<u>14</u>	<u>3 1/2"</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8"</u>	<u>618</u>	<u>100 sacks</u>	<u>Halliburton</u>		
<u>7 1/2"</u>	<u>2595</u>	<u>Pulled</u>			
<u>5 1/2"</u>	<u>3057</u>	<u>100 sacks</u>			

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 3205 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

Put to producing April 5, 1944  
~~March 30~~

The production for the first 24 hours was 160 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % 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

M. A. Lapley, Driller Chas. Pyatt, Driller  
Syford, Driller D. M. Walter, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>0</u>	<u>230</u>	<u>230</u>	<u>Red Beds</u>
<u>230</u>	<u>250</u>	<u>25</u>	<u>Gray Sand</u>
<u>250</u>	<u>370</u>	<u>140</u>	<u>Red Bed</u>
<u>370</u>	<u>530</u>	<u>160</u>	<u>Anhydrite</u>
<u>530</u>	<u>540</u>	<u>10</u>	<u>Broken formation</u>
<u>540</u>	<u>570</u>	<u>30</u>	<u>Brown lime</u>
<u>570</u>	<u>592</u>	<u>22</u>	<u>Anhydrite &amp; Shale</u>
<u>592</u>	<u>1440</u>	<u>848</u>	<u>Salt</u>
<u>1440</u>	<u>1505</u>	<u>65</u>	<u>Anhydrite &amp; Salt</u>
<u>1505</u>	<u>1615</u>	<u>110</u>	<u>Anhydrite</u>
<u>1615</u>	<u>1620</u>	<u>5</u>	<u>Shale</u>
<u>1620</u>	<u>1685</u>	<u>65</u>	<u>Red Rock</u>
<u>1685</u>	<u>1700</u>	<u>15</u>	<u>Anhydrite &amp; Brown shale</u>
<u>1700</u>	<u>1715</u>	<u>15</u>	<u>Anhydrite</u>
<u>1715</u>	<u>1735</u>	<u>20</u>	<u>Anhydrite &amp; Shale</u>
<u>1735</u>	<u>1740</u>	<u>5</u>	<u>Anhydrite</u>
<u>1740</u>	<u>1750</u>	<u>10</u>	<u>Anhydrite</u>
<u>1750</u>	<u>1755</u>	<u>5</u>	<u>Red Bed</u>
<u>1755</u>	<u>1770</u>	<u>15</u>	<u>Anhydrite</u>
<u>1770</u>	<u>1775</u>	<u>5</u>	<u>Anhydrite &amp; Shale</u>
<u>1775</u>	<u>1785</u>	<u>10</u>	<u>Anhydrite</u>
<u>1785</u>	<u>1795</u>	<u>10</u>	<u>Anhydrite</u>
<u>1795</u>	<u>1805</u>	<u>10</u>	<u>Anhydrite</u>
<u>1805</u>	<u>1810</u>	<u>5</u>	<u>Red Bed</u>
<u>1810</u>	<u>1820</u>	<u>10</u>	<u>Anhydrite</u>
<u>1820</u>	<u>1830</u>	<u>10</u>	<u>Anhydrite &amp; Shale</u>
<u>1830</u>	<u>1845</u>	<u>15</u>	<u>Anhydrite</u>
<u>1845</u>	<u>1857</u>	<u>12</u>	<u>Anhydrite</u>
<u>1857</u>	<u>1862</u>	<u>5</u>	<u>Red Sand</u>
<u>1862</u>	<u>1875</u>	<u>13</u>	<u>Anhydrite</u>
<u>1875</u>	<u>1885</u>	<u>10</u>	<u>Gray Sand</u>

30-012-04934

U. S. Land Office  
 Serial Number  
 Lease on Permit to Prospect

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

RECEIVED  
 MAR 10 1917  
 U. S. G.  
 ARTIFICIAL OFFICE


LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

The information given in this log is for the use of the Geological Survey and is not to be used for any other purpose. The information given in this log is for the use of the Geological Survey and is not to be used for any other purpose.

The information given in this log is for the use of the Geological Survey and is not to be used for any other purpose. The information given in this log is for the use of the Geological Survey and is not to be used for any other purpose.

OIL OR GAS SANDS OR ZONES

Oil or gas sands or zones are described in this section of the log. The information given in this section is for the use of the Geological Survey and is not to be used for any other purpose.

PRODUCTION RECORD

Production records are described in this section of the log. The information given in this section is for the use of the Geological Survey and is not to be used for any other purpose.

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 "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 balling.

HISTORY OF OIL OR GAS WELL

History of the well is described in this section of the log. The information given in this section is for the use of the Geological Survey and is not to be used for any other purpose.

FORMATION	TOTAL FEET	TO	FROM
Sand, shale & Anhydrite	15	251	251
Lime shale	15	250	251
Anhydrite	15	249	250
Broken lime	15	248	249
Lime	15	247	248
Broken lime	15	246	247
Lime	15	245	246
Broken formation (Shale & Anhydrite)	15	244	245
Anhydrite & brown lime	15	243	244
Anhydrite	15	242	243
Mud shale (muddy)	10	241	242
Anhydrite	10	240	241
Broken lime	10	239	240
Lime	10	238	239
Broken lime	10	237	238
Lime	10	236	237
Broken lime	10	235	236
Lime	10	234	235
Broken lime	10	233	234
Lime	10	232	233
Broken lime	10	231	232
Lime	10	230	231
Broken lime	10	229	230
Lime	10	228	229
Broken lime	10	227	228
Lime	10	226	227
Broken lime	10	225	226
Lime	10	224	225
Broken lime	10	223	224
Lime	10	222	223
Broken lime	10	221	222
Lime	10	220	221
Broken lime	10	219	220
Lime	10	218	219
Broken lime	10	217	218
Lime	10	216	217
Broken lime	10	215	216
Lime	10	214	215
Broken lime	10	213	214
Lime	10	212	213
Broken lime	10	211	212
Lime	10	210	211
Broken lime	10	209	210
Lime	10	208	209
Broken lime	10	207	208
Lime	10	206	207
Broken lime	10	205	206
Lime	10	204	205
Broken lime	10	203	204
Lime	10	202	203
Broken lime	10	201	202
Lime	10	200	201
Broken lime	10	199	200
Lime	10	198	199
Broken lime	10	197	198
Lime	10	196	197
Broken lime	10	195	196
Lime	10	194	195
Broken lime	10	193	194
Lime	10	192	193
Broken lime	10	191	192
Lime	10	190	191
Broken lime	10	189	190
Lime	10	188	189
Broken lime	10	187	188
Lime	10	186	187
Broken lime	10	185	186
Lime	10	184	185
Broken lime	10	183	184
Lime	10	182	183
Broken lime	10	181	182
Lime	10	180	181
Broken lime	10	179	180
Lime	10	178	179
Broken lime	10	177	178
Lime	10	176	177
Broken lime	10	175	176
Lime	10	174	175
Broken lime	10	173	174
Lime	10	172	173
Broken lime	10	171	172
Lime	10	170	171
Broken lime	10	169	170
Lime	10	168	169
Broken lime	10	167	168
Lime	10	166	167
Broken lime	10	165	166
Lime	10	164	165
Broken lime	10	163	164
Lime	10	162	163
Broken lime	10	161	162
Lime	10	160	161
Broken lime	10	159	160
Lime	10	158	159
Broken lime	10	157	158
Lime	10	156	157
Broken lime	10	155	156
Lime	10	154	155
Broken lime	10	153	154
Lime	10	152	153
Broken lime	10	151	152
Lime	10	150	151
Broken lime	10	149	150
Lime	10	148	149
Broken lime	10	147	148
Lime	10	146	147
Broken lime	10	145	146
Lime	10	144	145
Broken lime	10	143	144
Lime	10	142	143
Broken lime	10	141	142
Lime	10	140	141
Broken lime	10	139	140
Lime	10	138	139
Broken lime	10	137	138
Lime	10	136	137
Broken lime	10	135	136
Lime	10	134	135
Broken lime	10	133	134
Lime	10	132	133
Broken lime	10	131	132
Lime	10	130	131
Broken lime	10	129	130
Lime	10	128	129
Broken lime	10	127	128
Lime	10	126	127
Broken lime	10	125	126
Lime	10	124	125
Broken lime	10	123	124
Lime	10	122	123
Broken lime	10	121	122
Lime	10	120	121
Broken lime	10	119	120
Lime	10	118	119
Broken lime	10	117	118
Lime	10	116	117
Broken lime	10	115	116
Lime	10	114	115
Broken lime	10	113	114
Lime	10	112	113
Broken lime	10	111	112
Lime	10	110	111
Broken lime	10	109	110
Lime	10	108	109
Broken lime	10	107	108
Lime	10	106	107
Broken lime	10	105	106
Lime	10	104	105
Broken lime	10	103	104
Lime	10	102	103
Broken lime	10	101	102
Lime	10	100	101
Broken lime	10	99	100
Lime	10	98	99
Broken lime	10	97	98
Lime	10	96	97
Broken lime	10	95	96
Lime	10	94	95
Broken lime	10	93	94
Lime	10	92	93
Broken lime	10	91	92
Lime	10	90	91
Broken lime	10	89	90
Lime	10	88	89
Broken lime	10	87	88
Lime	10	86	87
Broken lime	10	85	86
Lime	10	84	85
Broken lime	10	83	84
Lime	10	82	83
Broken lime	10	81	82
Lime	10	80	81
Broken lime	10	79	80
Lime	10	78	79
Broken lime	10	77	78
Lime	10	76	77
Broken lime	10	75	76
Lime	10	74	75
Broken lime	10	73	74
Lime	10	72	73
Broken lime	10	71	72
Lime	10	70	71
Broken lime	10	69	70
Lime	10	68	69
Broken lime	10	67	68
Lime	10	66	67
Broken lime	10	65	66
Lime	10	64	65
Broken lime	10	63	64
Lime	10	62	63
Broken lime	10	61	62
Lime	10	60	61
Broken lime	10	59	60
Lime	10	58	59
Broken lime	10	57	58
Lime	10	56	57
Broken lime	10	55	56
Lime	10	54	55
Broken lime	10	53	54
Lime	10	52	53
Broken lime	10	51	52
Lime	10	50	51
Broken lime	10	49	50
Lime	10	48	49
Broken lime	10	47	48
Lime	10	46	47
Broken lime	10	45	46
Lime	10	44	45
Broken lime	10	43	44
Lime	10	42	43
Broken lime	10	41	42
Lime	10	40	41
Broken lime	10	39	40
Lime	10	38	39
Broken lime	10	37	38
Lime	10	36	37
Broken lime	10	35	36
Lime	10	34	35
Broken lime	10	33	34
Lime	10	32	33
Broken lime	10	31	32
Lime	10	30	31
Broken lime	10	29	30
Lime	10	28	29
Broken lime	10	27	28
Lime	10	26	27
Broken lime	10	25	26
Lime	10	24	25
Broken lime	10	23	24
Lime	10	22	23
Broken lime	10	21	22
Lime	10	20	21
Broken lime	10	19	20
Lime	10	18	19
Broken lime	10	17	18
Lime	10	16	17
Broken lime	10	15	16
Lime	10	14	15
Broken lime	10	13	14
Lime	10	12	13
Broken lime	10	11	12
Lime	10	10	11
Broken lime	10	9	10
Lime	10	8	9
Broken lime	10	7	8
Lime	10	6	7
Broken lime	10	5	6
Lime	10	4	5
Broken lime	10	3	4
Lime	10	2	3
Broken lime	10	1	2
Lime	10	0	1