

Santa Fe

U. S. LAND OFFICE

SERIAL NUMBER **57 - 078196**

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Astec Oil & Gas Company** Address **Dresser # 570, Farmington, N.Mex.**
Lessor or Tract **Rye** Field **Undesignated/Delaware** State **New Mexico**
Well No. **10-D** Sec. **12** T. **30N** R. **11W** Meridian **N.M.P.M.** County **San Juan**
Location **790** ft. **N.** of **S** Line and **1850** ft. **W.** of **E** Line of **Sec. 12** Elevation **6029** 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.
ORIGINAL SIGNED BY **JOE C. SALMON**
Signed _____ Title **District Superintendent**

Date **August 3, 1960**

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

Commenced drilling **6/26/60**, 19____ Finished drilling **7/11/60**, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **7079** to **7203 (G)** No. 4, from **6944** to **6954 (G)**
No. 2, from **7137-7172** to **7172 (G)** No. 5, from _____ to _____
No. 3, from **7025** to **7053 (G)** 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—	
8 5/8	24	8	3-55	300	displacement	7195			
4 1/2	11.95	8	3-55	425	two-plug	6929			
2 3/8	4.7	8	3-55	—					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	320	200	displacement		
4 1/2	7195	425	two-plug		
2 3/8	6929	—			

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-water fraced with 1900 Hbls. water and 45,000# sand. Breakdown pr. - 3000#						
Treating pressure- 3000#, I.R. - 35.5 bpm						

TOOLS USED

Rotary tools were used from **0** feet to **7195** feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **6929** feet, and from _____ feet to _____ feet

DATES

7/18/60, 19____ 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 **AGF - 1545** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **1975**

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	275	275	Surface
275	330	55	Shale
330	1998	1668	Sand and Shale
1998	2983	985	Sand and Shale
2983	3738	755	Sand and Shale
3738	4160	422	Sand and Shale
4160	4478	318	Sand and Shale
4478	4827	349	Sand and Shale
4827	5066	239	Sand and Shale
5066	5357	291	Sand and Shale
5357	5760	403	Sand and Shale
5760	5915	155	Shale
5915	6003	88	Sand and Shale
6003	6470	467	Shale
6470	6947	477	Sand and Shale
6947	6976	29	lime and sand
6976	6996	20	sand and shale
6996	7062	66	Sand
7062	7195	1083	Sand and Shale

TOP OF PICTURED CLIFFS **-2552**
TOP OF DAKOTA **- 6942**

FORMATION RECORD—Continued

Geological Survey
Department of the Interior
UNITED STATES

LOG OF OIL OR GAS WELL

Location: _____
County: _____
State: _____
Section: _____
Twp. _____
Range: _____

Owner: _____
Operator: _____
Driller: _____

Well No. _____
Date: _____

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

Continued drilling _____

Oil or Gas Sand or Zones _____

Important Water Zones _____

Casing Record _____

History of Oil or Gas Well _____

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 the 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, size, position, and number of shots. Rigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
0	0	0	Gravel
1	1	1	Sand and gravel
2	2	2	Sand and gravel
3	3	3	Sand and gravel
4	4	4	Sand and gravel
5	5	5	Sand and gravel
6	6	6	Sand and gravel
7	7	7	Sand and gravel
8	8	8	Sand and gravel
9	9	9	Sand and gravel
10	10	10	Sand and gravel
11	11	11	Sand and gravel
12	12	12	Sand and gravel
13	13	13	Sand and gravel
14	14	14	Sand and gravel
15	15	15	Sand and gravel
16	16	16	Sand and gravel
17	17	17	Sand and gravel
18	18	18	Sand and gravel
19	19	19	Sand and gravel
20	20	20	Sand and gravel
21	21	21	Sand and gravel
22	22	22	Sand and gravel
23	23	23	Sand and gravel
24	24	24	Sand and gravel
25	25	25	Sand and gravel
26	26	26	Sand and gravel
27	27	27	Sand and gravel
28	28	28	Sand and gravel
29	29	29	Sand and gravel
30	30	30	Sand and gravel
31	31	31	Sand and gravel
32	32	32	Sand and gravel
33	33	33	Sand and gravel
34	34	34	Sand and gravel
35	35	35	Sand and gravel
36	36	36	Sand and gravel
37	37	37	Sand and gravel
38	38	38	Sand and gravel
39	39	39	Sand and gravel
40	40	40	Sand and gravel
41	41	41	Sand and gravel
42	42	42	Sand and gravel
43	43	43	Sand and gravel
44	44	44	Sand and gravel
45	45	45	Sand and gravel
46	46	46	Sand and gravel
47	47	47	Sand and gravel
48	48	48	Sand and gravel
49	49	49	Sand and gravel
50	50	50	Sand and gravel
51	51	51	Sand and gravel
52	52	52	Sand and gravel
53	53	53	Sand and gravel
54	54	54	Sand and gravel
55	55	55	Sand and gravel
56	56	56	Sand and gravel
57	57	57	Sand and gravel
58	58	58	Sand and gravel
59	59	59	Sand and gravel
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61	61	61	Sand and gravel
62	62	62	Sand and gravel
63	63	63	Sand and gravel
64	64	64	Sand and gravel
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67	67	67	Sand and gravel
68	68	68	Sand and gravel
69	69	69	Sand and gravel
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71	71	71	Sand and gravel
72	72	72	Sand and gravel
73	73	73	Sand and gravel
74	74	74	Sand and gravel
75	75	75	Sand and gravel
76	76	76	Sand and gravel
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78	78	78	Sand and gravel
79	79	79	Sand and gravel
80	80	80	Sand and gravel
81	81	81	Sand and gravel
82	82	82	Sand and gravel
83	83	83	Sand and gravel
84	84	84	Sand and gravel
85	85	85	Sand and gravel
86	86	86	Sand and gravel
87	87	87	Sand and gravel
88	88	88	Sand and gravel
89	89	89	Sand and gravel
90	90	90	Sand and gravel
91	91	91	Sand and gravel
92	92	92	Sand and gravel
93	93	93	Sand and gravel
94	94	94	Sand and gravel
95	95	95	Sand and gravel
96	96	96	Sand and gravel
97	97	97	Sand and gravel
98	98	98	Sand and gravel
99	99	99	Sand and gravel
100	100	100	Sand and gravel