

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 87 077056
LEASE OR PERMIT TO PROSPECT _____

RECEIVED
AUG 15 1961
OIL CON. COM.
DIST. 3
DEPART

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Astec Oil & Gas Company Address Dwaver # 570, Farmington, New Mexico
Lessor or Tract Consens Field Basin Dakota State New Mexico
Well No. 6-D Sec. 18 T. 29N R. 11W Meridian T.M.P.M. County San Juan
Location 1890 ft. N. of 8 Line and 790 ft. E. of W Line of Section 18 Elevation 5648 U.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.

Signed ORIGINAL SIGNED BY ICE G. SALMON ICE G. Salmon

Date August 10, 1961 Title District Superintendent

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

Commenced drilling 7/2/62, 1962 Finished drilling 7/24/62, 1962

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

No. 1, from 6221 to 6235 (8) No. 4, from _____ to _____
 No. 2, from 6300 to 6330 (8) No. 5, from _____ to _____
 No. 3, from 6450 to 6498 (8) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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
8 5/8	301	225	displacement		
4 1/2	6909	850	two plug		
2 3/8	6215				

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 mixed with 68,000# sand, 140# Huls. water, flushed with 160 Huls. water.						
Breakdown pr. - 1400, I.R. - 42.4 bpm, Maximum- 2900, Av.- 2550, 5 min. shut-in-1150						
dropped 115 rubber ball sealers.				A		

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 6510 feet, and from none feet to 6481 feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

7/28/61 _____ 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- 3769** Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ----- 1962

EMPLOYEES

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

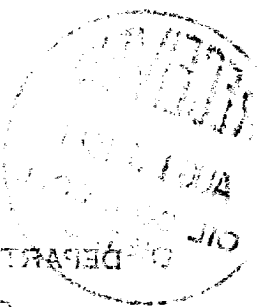
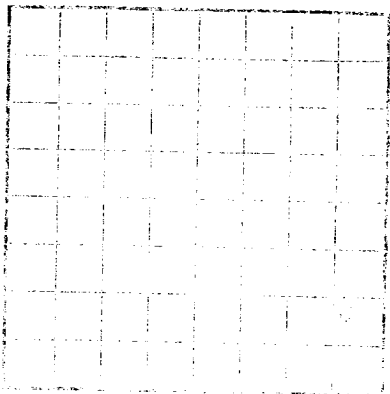
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	315	315	surface
315	1075	760	sand and shale
1075	2010	935	sand and shale
2010	3480	1470	shale w/ sandy strks.
2480	2964	484	sand and shale
2964	3135	171	sand and shale
3135	3535	400	sand and shale
3535	4070	535	sand and shale
4070	4397	327	shale w/ sandy strks.
4397	4507	110	sand and shale
4507	4755	248	sand and shale
4755	4948	193	shale and siltstone
4948	5231	283	sand and shale
5231	5421	190	shale w/ sandy shale
5421	5518	97	sand and shale
5518	5703	185	shale & silt
5703	5745	42	shale w/ sandy strks.
5745	6259	514	sand and shale
6259	6268	9	sand
6268	6338	70	sand and shale strks.
6338	6359	21	sand and shale
6359	6432	73	sand
6432	6500	68	sand and shale

P. CLIFFS-1775
 GALLUP- 6380
 GREENBERG-6120
 GRANEROG-6180
 DAKOTA- 6300

FROM—
TO—
TOTAL FEET
FORMATION

LOCATION RECORD—CONTINUED



UNITED STATES
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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 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.

OIL OR GAS Casing or Bottom

No. 1 casing, 2 1/2 inch, 10 ft. long, 10 ft. from top of hole. No. 2 casing, 2 1/2 inch, 10 ft. long, 10 ft. from top of hole. No. 3 casing, 2 1/2 inch, 10 ft. long, 10 ft. from top of hole.

Important Water Record

No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Casing Record

No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FORMATION	TOTAL FEET	TO	FROM
1. Sandstone	100	100	0
2. Shale	200	200	100
3. Limestone	300	300	200
4. Coal	400	400	300
5. Sandstone	500	500	400
6. Shale	600	600	500
7. Limestone	700	700	600
8. Coal	800	800	700
9. Sandstone	900	900	800
10. Shale	1000	1000	900
11. Limestone	1100	1100	1000
12. Coal	1200	1200	1100
13. Sandstone	1300	1300	1200
14. Shale	1400	1400	1300
15. Limestone	1500	1500	1400
16. Coal	1600	1600	1500
17. Sandstone	1700	1700	1600
18. Shale	1800	1800	1700
19. Limestone	1900	1900	1800
20. Coal	2000	2000	1900
21. Sandstone	2100	2100	2000
22. Shale	2200	2200	2100
23. Limestone	2300	2300	2200
24. Coal	2400	2400	2300
25. Sandstone	2500	2500	2400
26. Shale	2600	2600	2500
27. Limestone	2700	2700	2600
28. Coal	2800	2800	2700
29. Sandstone	2900	2900	2800
30. Shale	3000	3000	2900
31. Limestone	3100	3100	3000
32. Coal	3200	3200	3100
33. Sandstone	3300	3300	3200
34. Shale	3400	3400	3300
35. Limestone	3500	3500	3400
36. Coal	3600	3600	3500
37. Sandstone	3700	3700	3600
38. Shale	3800	3800	3700
39. Limestone	3900	3900	3800
40. Coal	4000	4000	3900
41. Sandstone	4100	4100	4000
42. Shale	4200	4200	4100
43. Limestone	4300	4300	4200
44. Coal	4400	4400	4300
45. Sandstone	4500	4500	4400
46. Shale	4600	4600	4500
47. Limestone	4700	4700	4600
48. Coal	4800	4800	4700
49. Sandstone	4900	4900	4800
50. Shale	5000	5000	4900
51. Limestone	5100	5100	5000
52. Coal	5200	5200	5100
53. Sandstone	5300	5300	5200
54. Shale	5400	5400	5300
55. Limestone	5500	5500	5400
56. Coal	5600	5600	5500
57. Sandstone	5700	5700	5600
58. Shale	5800	5800	5700
59. Limestone	5900	5900	5800
60. Coal	6000	6000	5900
61. Sandstone	6100	6100	6000
62. Shale	6200	6200	6100
63. Limestone	6300	6300	6200
64. Coal	6400	6400	6300
65. Sandstone	6500	6500	6400
66. Shale	6600	6600	6500
67. Limestone	6700	6700	6600
68. Coal	6800	6800	6700
69. Sandstone	6900	6900	6800
70. Shale	7000	7000	6900
71. Limestone	7100	7100	7000
72. Coal	7200	7200	7100
73. Sandstone	7300	7300	7200
74. Shale	7400	7400	7300
75. Limestone	7500	7500	7400
76. Coal	7600	7600	7500
77. Sandstone	7700	7700	7600
78. Shale	7800	7800	7700
79. Limestone	7900	7900	7800
80. Coal	8000	8000	7900
81. Sandstone	8100	8100	8000
82. Shale	8200	8200	8100
83. Limestone	8300	8300	8200
84. Coal	8400	8400	8300
85. Sandstone	8500	8500	8400
86. Shale	8600	8600	8500
87. Limestone	8700	8700	8600
88. Coal	8800	8800	8700
89. Sandstone	8900	8900	8800
90. Shale	9000	9000	8900
91. Limestone	9100	9100	9000
92. Coal	9200	9200	9100
93. Sandstone	9300	9300	9200
94. Shale	9400	9400	9300
95. Limestone	9500	9500	9400
96. Coal	9600	9600	9500
97. Sandstone	9700	9700	9600
98. Shale	9800	9800	9700
99. Limestone	9900	9900	9800
100. Coal	10000	10000	9900