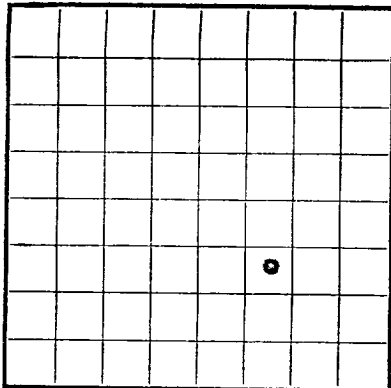
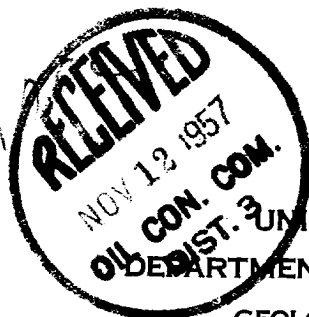




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 577865
LEASE OR PERMIT TO PROSPECT Communication Agreement
Astec - W/2 SE/4
Pan Am. - E/2 SE/4
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Astec Oil & Gas Company Address Box 786, Farmington, New Mexico
Lessor or Tract Mare Field Astec State New Mexico
Well No. 7 Sec. 15 T. 29 R. 10 Meridian N.M.P.M. County San Juan
Location 1850 ft. ^[N.] of S Line and 1650 ft. ^[E.] of E Line of Section 15 Elevation 5709
(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 Jac O Salmon
Date November 7, 1957 Title District Superintendent

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

Commenced drilling September 30, 19 57 Finished drilling October 6, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2068 to 2120 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—	
<u>8 5/8</u>	<u>21</u>	<u>8-11</u>	<u>7-55</u>	<u>121</u>					
<u>5 1/2</u>	<u>14</u>	<u>8-11</u>	<u>8-55</u>	<u>817</u>	<u>121</u>				
<u>1</u>	<u>7</u>	<u>8-11</u>	<u>8-55</u>	<u>121</u>	<u>121</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>130</u>	<u>100</u>			
<u>5 1/2</u>	<u>2178</u>	<u>100</u>			
<u>1</u>	<u>2109</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
<u>Treated with 58,000 gallons water and 50,000 lbs. sand. HDP 1950, TP 1150, Final 500 lbs., Injection Rate 74.7 bpm.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 2181 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2158 feet, and from _____ feet to _____ feet

DATES

October 12, 19 57 Put to producing October 28, 19 57
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 NOT 662 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 68 lbs.

EMPLOYEES

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

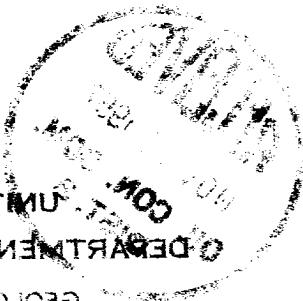
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>130</u>	<u>130</u>	<u>Sand</u>
<u>130</u>	<u>378</u>	<u>248</u>	<u>Sand and Shale</u>
<u>378</u>	<u>622</u>	<u>244</u>	<u>Sand and Shale</u>
<u>622</u>	<u>845</u>	<u>223</u>	<u>Sand and Shale</u>
<u>845</u>	<u>1034</u>	<u>189</u>	<u>Sand and Shale</u>
<u>1034</u>	<u>1229</u>	<u>195</u>	<u>Sand and Shale</u>
<u>1229</u>	<u>1305</u>	<u>76</u>	<u>Sand and Shale</u>
<u>1305</u>	<u>1474</u>	<u>169</u>	<u>Sand and Shale</u>
<u>1474</u>	<u>1637</u>	<u>163</u>	<u>Sand and Shale</u>
<u>1637</u>	<u>1846</u>	<u>209</u>	<u>Sand and Shale</u>
<u>1846</u>	<u>2130</u>	<u>284</u>	<u>Sand and Shale</u>
<u>2130</u>	<u>2181</u>	<u>51</u>	<u>Sand and Shale</u>

(OVER)

FORMATION RECORD—Continued

U. S. LAND OFFICE
SPECIAL NUMBER
ORDER ON FORM TO PROCEED
THE INTERIOR
SURVEY

[illegible]

LOG OF OIL OR GAS WELL

The location given therein is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Signed _____

Date _____

This certificate was filed _____

If the name or name of the party is for the condition of the well at above date.

Witness my hand and seal of office this _____ day of _____ A.D. 19____

(b) (5) DPP, (b) (5) ACP

No. 8 from	No. 9 from
No. 7 from	No. 6 from
No. 6 from	No. 5 from
No. 5 from	No. 4 from
No. 4 from	No. 3 from
No. 3 from	No. 2 from
No. 2 from	No. 1 from
No. 1 from	No. 0 from

PROBANT WATSON BANDS

to mod. 8.0% to mod. 8.0%

to mod. 4.0% to mod. 4.0%

CASTING RECORD

[illegible]

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 "spliced," we 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDLOG AND CEMENTING RECORD			
Time	Depth	Direction	Remarks
10:00	100	N	Drilling
10:15	110	N	Drilling
10:30	120	N	Drilling
10:45	130	N	Drilling
11:00	140	N	Drilling
11:15	150	N	Drilling
11:30	160	N	Drilling
11:45	170	N	Drilling
12:00	180	N	Drilling
12:15	190	N	Drilling
12:30	200	N	Drilling
12:45	210	N	Drilling
13:00	220	N	Drilling
13:15	230	N	Drilling
13:30	240	N	Drilling
13:45	250	N	Drilling
14:00	260	N	Drilling
14:15	270	N	Drilling
14:30	280	N	Drilling
14:45	290	N	Drilling
15:00	300	N	Drilling
15:15	310	N	Drilling
15:30	320	N	Drilling
15:45	330	N	Drilling
16:00	340	N	Drilling
16:15	350	N	Drilling
16:30	360	N	Drilling
16:45	370	N	Drilling
17:00	380	N	Drilling
17:15	390	N	Drilling
17:30	400	N	Drilling
17:45	410	N	Drilling
18:00	420	N	Drilling
18:15	430	N	Drilling
18:30	440	N	Drilling
18:45	450	N	Drilling
19:00	460	N	Drilling
19:15	470	N	Drilling
19:30	480	N	Drilling
19:45	490	N	Drilling
20:00	500	N	Drilling
20:15	510	N	Drilling
20:30	520	N	Drilling
20:45	530	N	Drilling
21:00	540	N	Drilling
21:15	550	N	Drilling
21:30	560	N	Drilling
21:45	570	N	Drilling
22:00	580	N	Drilling
22:15	590	N	Drilling
22:30	600	N	Drilling
22:45	610	N	Drilling
23:00	620	N	Drilling
23:15	630	N	Drilling
23:30	640	N	Drilling
23:45	650	N	Drilling
24:00	660	N	Drilling
24:15	670	N	Drilling
24:30	680	N	Drilling
24:45	690	N	Drilling
25:00	700	N	Drilling
25:15	710	N	Drilling
25:30	720	N	Drilling
25:45	730	N	Drilling
26:00	740	N	Drilling
26:15	750	N	Drilling
26:30	760	N	Drilling
26:45	770	N	Drilling
27:00	780	N	Drilling
27:15	790	N	Drilling
27:30	800	N	Drilling
27:45	810	N	Drilling
28:00	820	N	Drilling
28:15	830	N	Drilling
28:30	840	N	Drilling
28:45	850	N	Drilling
29:00	860	N	Drilling
29:15	870	N	Drilling
29:30	880	N	Drilling
29:45	890	N	Drilling
30:00	900	N	Drilling
30:15	910	N	Drilling
30:30	920	N	Drilling
30:45	930	N	Drilling
31:00	940	N	Drilling
31:15	950	N	Drilling
31:30	960	N	Drilling
31:45	970	N	Drilling
32:00	980	N	Drilling
32:15	990	N	Drilling
32:30	1000	N	Drilling
32:45	1010	N	Drilling
33:00	1020	N	Drilling
33:15	1030	N	Drilling
33:30	1040	N	Drilling
33:45	1050	N	Drilling
34:00	1060	N	Drilling
34:15	1070	N	Drilling