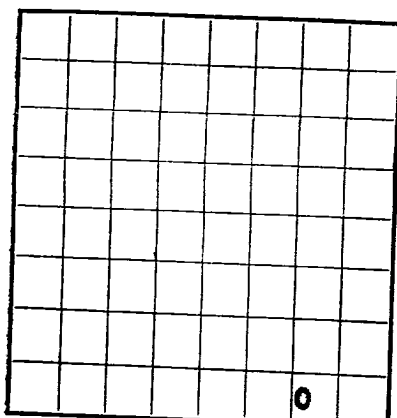




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER MM 01614
LEASE OR PERMIT TO PROSPECT Thompson
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Astec Oil & Gas Company Address Drews # 570, Farmington, N.M.
Lessor or Tract Thompson Field Wildcat Dakota State New Mexico
Well No. 6-D Sec 27 T 31N R. 12W Meridian N.M.P.M. County San Juan
Location 1160 ft. ^[N.] of 8 Line and 1840 ft. ^[W.] of 8 Line of Section 27 Elevation 6142 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

Date September 27, 1960Title Joe C. Salmon
District Superintendent

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

Commenced drilling 8/13/60, 19. Finished drilling 9/4/60, 19.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7010 to 7020 (G) No. 4, from _____ to _____
No. 2, from 7070 to 7096 (G) 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—	
8 1/8	11.3	8	J-55	1852					
5 1/2	13.3	8	J-55	1852					
5 1/2	13.3	8	J-55	1852					
2 3/8	4.7	8	J-55	6940					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/8	329	225	displacement		
5 1/2	7218	400	two plug		
2 3/8	6945				

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 70,000# sand and 1910 lbs. water. Breakdown pressure - 1700# Maximum pr., 3800#, treating pressure - 2100#, dropped 60 rubber ball sealers, I.R. - 47.7 bpm						

TOOLS USED

Rotary tools were used from 0 feet to 7220 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 7218 feet, and from _____ feet to _____ feet

DATES

9/9/60, 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 - 2030 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1704

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	330	330	Surface
330	1701	1371	Sand and Shale
1701	2831	1130	Sand and Shale
2831	3598	767	Sand and Shale
3598	4036	438	Sand and Shale
4036	4118	82	Sand and Shale
4118	4200	82	Sand
4200	4345	145	Sand and Shale
4345	4497	152	Sand and Shale, coal beds
4497	4764	267	Sand and Shale
4764	4895	131	Shale
4895	5007	112	Sand and Shale
5007	5166	159	Shale
5166	5339	173	Sand and Shale
5339	5581	242	Shale
5581	5814	233	Shale
5814	6069	255	Shale
6069	6256	187	Shale
6256	6729	473	Shale
6729	6969	240	Shale
6969	6982	13	Sand
6982	6999	17	Shale
6999	7090	91	Sand & Shale
7090	7118	28	Sand
7118	7220	102	Sand and Shale

TOP OF PICTURED CLIFFS - 2551
TOP OF DAKOTA - 6978

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SEP 23 1960
OIL CO. OF CALIF.
DIST. 3

[illegible]

LOCATE WELL CORRECTLY

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

Title _____ Date _____

Joe C. Salmon _____

Plaster Submittal _____

September 27, 1960 _____

Commenced drilling 8/23/60 19 _____
Finished drilling 8/24/60 19 _____

OIL OR GAS SANDS OR ZONES

(Derote cas pu (4)

No. 1, from	to	(a)	No. 4, from	to
No. 2, from	to	(a)	No. 5, from	to
No. 3, from	to		No. 6, from	to

(Denote gas by G)

IMPORTANT WATER SANDS

No. 1, from _____ to _____
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____

CASING RECORD

Casing	Size	Weight	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Flow	To	Purpose
1	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
2	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
3	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
4	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
5	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
6	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
7	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
8	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
9	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
10	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
11	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
12	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
13	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
14	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
15	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
16	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
17	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
18	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
19	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
20	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
21	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
22	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
23	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
24	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
25	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
26	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
27	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
28	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
29	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
30	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
31	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
32	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
33	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
34	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
35	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22
36	10 1/2	35	8	1-22	1-22	1-22	1-22	1-22	1-22	1-22

NUDDING AND CEMENTING RECORD

Size casting	Where set	Number shots of cement	Method used	Kind gravity	Amount of cement used
4 1/2"	30	20	displacement		
3 1/2"	15	10	two lifts		
3 1/2"	20	11			

FLUGS AND ADALERS

[illegible]

SHOOTING RECORD

Size	Small used	Medium used	Quantity	Date	Project used	People cleaned and
1.5" - 47.3" dia			3000#	1000#	1000#	1000#
2" - 47.3" dia			3000#	1000#	1000#	1000#
3" - 47.3" dia			3000#	1000#	1000#	1000#
4" - 47.3" dia			3000#	1000#	1000#	1000#
5" - 47.3" dia			3000#	1000#	1000#	1000#
6" - 47.3" dia			3000#	1000#	1000#	1000#
7" - 47.3" dia			3000#	1000#	1000#	1000#
8" - 47.3" dia			3000#	1000#	1000#	1000#
9" - 47.3" dia			3000#	1000#	1000#	1000#
10" - 47.3" dia			3000#	1000#	1000#	1000#
11" - 47.3" dia			3000#	1000#	1000#	1000#
12" - 47.3" dia			3000#	1000#	1000#	1000#
13" - 47.3" dia			3000#	1000#	1000#	1000#
14" - 47.3" dia			3000#	1000#	1000#	1000#
15" - 47.3" dia			3000#	1000#	1000#	1000#
16" - 47.3" dia			3000#	1000#	1000#	1000#
17" - 47.3" dia			3000#	1000#	1000#	1000#
18" - 47.3" dia			3000#	1000#	1000#	1000#
19" - 47.3" dia			3000#	1000#	1000#	1000#
20" - 47.3" dia			3000#	1000#	1000#	1000#
21" - 47.3" dia			3000#	1000#	1000#	1000#
22" - 47.3" dia			3000#	1000#	1000#	1000#
23" - 47.3" dia			3000#	1000#	1000#	1000#
24" - 47.3" dia			3000#	1000#	1000#	1000#
25" - 47.3" dia			3000#	1000#	1000#	1000#
26" - 47.3" dia			3000#	1000#	1000#	1000#
27" - 47.3" dia			3000#	1000#	1000#	1000#
28" - 47.3" dia			3000#	1000#	1000#	1000#
29" - 47.3" dia			3000#	1000#	1000#	1000#
30" - 47.3" dia			3000#	1000#	1000#	1000#
31" - 47.3" dia			3000#	1000#	1000#	1000#
32" - 47.3" dia			3000#	1000#	1000#	1000#
33" - 47.3" dia			3000#	1000#	1000#	1000#
34" - 47.3" dia			3000#	1000#	1000#	1000#
35" - 47.3" dia			3000#	1000#	1000#	1000#
36" - 47.3" dia			3000#	1000#	1000#	1000#
37" - 47.3" dia			3000#	1000#	1000#	1000#
38" - 47.3" dia			3000#	1000#	1000#	1000#
39" - 47.3" dia			3000#	1000#	1000#	1000#
40" - 47.3" dia			3000#	1000#	1000#	1000#
41" - 47.3" dia			3000#	1000#	1000#	1000#
42" - 47.3" dia			3000#	1000#	1000#	1000#
43" - 47.3" dia			3000#	1000#	1000#	1000#
44" - 47.3" dia			3000#	1000#	1000#	1000#
45" - 47.3" dia			3000#	1000#	1000#	1000#
46" - 47.3" dia			3000#	1000#	1000#	1000#
47" - 47.3" dia			3000#	1000#	1000#	1000#
48" - 47.3" dia			3000#	1000#	1000#	1000#
49" - 47.3" dia			3000#	1000#	1000#	1000#
50" - 47.3" dia			3000#	1000#	1000#	1000#
51" - 47.3" dia			3000#	1000#	1000#	1000#
52" - 47.3" dia			3000#	1000#	1000#	1000#

TOOLS USED

[illegible]

DATE

The production for the first 24 hours was	_____ bbls
Paid to producing _____	_____ bbls
_____ barrels of fluid of which _____ was oil; the rest was gas	_____ bbls

Rock pressure lbs. per sq. in.	_____	_____
If gas well, cu. ft. per 24 hours	_____	_____
% sediment	_____	_____
% water; and	_____	_____
Gravity, ° Bé.	_____	_____
Gallons gasoline per 1,000 cu. ft. of gas	_____	_____

EMPLOYEES

Driller	Driller	
Driller	Driller	

FORMATION RECORD

FORMATION	TOTAL FEET	TO-	FROM-
105 Sand and shale	105	1050	1050
106 Sand	106	1050	1050
107 Sand	107	1050	1050
108 Sand	108	1050	1050
109 Sand	109	1050	1050
110 Sand	110	1050	1050
111 Sand	111	1050	1050
112 Sand	112	1050	1050
113 Sand	113	1050	1050
114 Sand	114	1050	1050
115 Sand	115	1050	1050
116 Sand	116	1050	1050
117 Sand	117	1050	1050
118 Sand	118	1050	1050
119 Sand	119	1050	1050
120 Sand	120	1050	1050
121 Sand	121	1050	1050
122 Sand	122	1050	1050
123 Sand	123	1050	1050
124 Sand	124	1050	1050
125 Sand	125	1050	1050
126 Sand	126	1050	1050
127 Sand	127	1050	1050
128 Sand	128	1050	1050
129 Sand	129	1050	1050
130 Sand	130	1050	1050
131 Sand	131	1050	1050
132 Sand	132	1050	1050
133 Sand	133	1050	1050
134 Sand	134	1050	1050
135 Sand	135	1050	1050
136 Sand	136	1050	1050
137 Sand	137	1050	1050
138 Sand	138	1050	1050
139 Sand	139	1050	1050
140 Sand	140	1050	1050
141 Sand	141	1050	1050
142 Sand	142	1050	1050
143 Sand	143	1050	1050
144 Sand	144	1050	1050
145 Sand	145	1050	1050
146 Sand	146	1050	1050
147 Sand	147	1050	1050
148 Sand	148	1050	1050
149 Sand	149	1050	1050
150 Sand	150	1050	1050
151 Sand	151	1050	1050
152 Sand	152	1050	1050
153 Sand	153	1050	1050
154 Sand	154	1050	1050
155 Sand	155	1050	1050
156 Sand	156	1050	1050
157 Sand	157	1050	1050
158 Sand	158	1050	1050
159 Sand	159	1050	1050
160 Sand	160	1050	1050
161 Sand	161	1050	1050
162 Sand	162	1050	1050
163 Sand	163	1050	1050
164 Sand	164	1050	1050
165 Sand	165	1050	1050
166 Sand	166	1050	1050
167 Sand	167	1050	1050
168 Sand	168	1050	1050
169 Sand	169	1050	1050
170 Sand	170	1050	1050
171 Sand	171	1050	1050
172 Sand	172	1050	1050
173 Sand	173	1050	1050
174 Sand	174	1050	1050
175 Sand	175	1050	1050
176 Sand	176	1050	1050
177 Sand	177	1050	1050
178 Sand	178	1050	1050
179 Sand	179	1050	1050
180 Sand	180	1050	1050
181 Sand	181	1050	1050
182 Sand	182	1050	1050
183 Sand	183	1050	1050
184 Sand	184	1050	1050
185 Sand	185	1050	1050
186 Sand	186	1050	1050
187 Sand	187	1050	1050
188 Sand	188	1050	1050
189 Sand	189	1050	1050
190 Sand	190	1050	1050
191 Sand	191	1050	1050
192 Sand	192	1050	1050
193 Sand	193	1050	1050
194 Sand	194	1050	1050
195 Sand	195	1050	1050
196 Sand	196	1050	1050
197 Sand	197	1050	1050
198 Sand	198	1050	1050
199 Sand	199	1050	1050
200 Sand	200	1050	1050

FORMER RECORD—Continued

TOP OF DAKOTA - 6845
TOP OF PICTURED CLIFFS - 5251