

U. S. LAND OFFICE Santa FeSERIAL NUMBER SF 079065LEASE OR PERMIT TO PROSPECT HagoodUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Astec Oil and Gas Company Address Drawer # 570, Farmington, New Mex.
Lessor or Tract Hagood Field Total Gallup State New Mexico
Well No. 22-4 Sec. 20 T. 29N R. 13W Meridian N.M.P.M. County San Juan
Location 660 ft. N of N Line and 660 ft. W of E Line of Sec. 20 Elevation 5432 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

Joe C. Salmon

Date March 21, 1961Title District Superintendent

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

Commenced drilling 2/24/61, 19____ Finished drilling 3/9/61, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5269 to 5281 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>21.2</u>	<u>8</u>	<u>J-55</u>	<u>120</u>	<u>120</u>	<u>120</u>			
<u>4 1/2</u>	<u>11.6</u>	<u>8</u>	<u>J-55</u>	<u>100</u>	<u>100</u>	<u>100</u>			
<u>4 1/8</u>	<u>9.9</u>	<u>8</u>	<u>J-55</u>	<u>100</u>	<u>100</u>	<u>100</u>			
<u>2 3/8</u>	<u>4.7</u>	<u>8</u>	<u>J-55</u>	<u>100</u>	<u>100</u>	<u>100</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>192</u>	<u>170</u>	<u>displacement</u>		
<u>4 1/2</u>	<u>6040</u>	<u>500</u>	<u>two plug</u>		
<u>2 3/8</u>	<u>5212</u>	<u>---</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>Sand-Oil fraced with 28,000# sand, 750 Hbls. oil, flushed with 220 Hbls. oil</u>						
<u>Breakdown pr. - 2300, 5 min. shut-in 750#, Maximum - 3000#, Avg. treating pr. - 2500#</u>						
<u>I.R. - 38.5 bpm</u>						

TOOLS USED

Rotary tools were used from 0 feet to 6247 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 5340 feet, and from _____ feet to _____ feet

DATES

3/13/61, 19____ Put to producing _____, 19____
The production for the first 24 hours was 503 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

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	195	195	surface
195	1385	1190	sand and shale
1385	2872	1487	sand and shale
2872	3654	782	sand and shale
3654	4094	440	sand and shale
4094	4531	437	sand and shale
4531	5012	481	sand and shale
5012	5838	826	sand and shale
5838	6025	187	sand and shale
6025	6057	32	sand and shale
6057	6198	141	sand and shale
6198	6246	48	sand and shale

PICTURED CLIFFS- 1204
GALLUP - 4898
POINT LOOKOUT- 3690
DAKOTA - 5791

