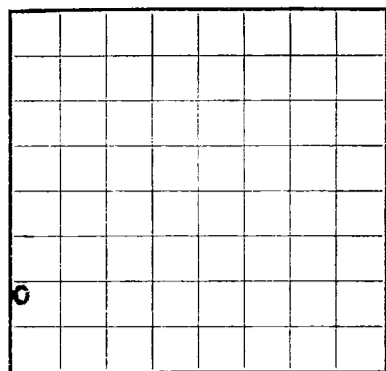


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER CF - 077874
LEASE OR PERMIT TO PROSPECT Lease



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Astec Oil & Gas Company Address Drawer # 570, Farmington, New Mexico
Lessor or Tract Hanks Field wildcat Dakota State New Mexico
Well No. 11-D Sec. 7 T. 27N R. 9W Meridian N.M.P.M. County San Juan
Location 1450 ft. ^[N.] of 2 Line and 930 ft. ^[E.] of W Line of Sec. 7 Elevation 6188 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.

Signed ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon
Date June 24, 1960 Title District Superintendent

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

Commenced drilling 5/22/60, 1960 Finished drilling 5/2/60, 1960

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

No. 1, from 6510 to 6524 (G) No. 4, from 6727 to 6734 (G)
No. 2, from 6597 to 6614 (G) No. 5, from _____ to _____
No. 3, from 6676 to 6684 (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-	
<u>6 5/8</u>	<u>24</u>	<u>8</u>	<u>Lucas</u>	<u>320</u>	<u>2 1/2</u>				
<u>4 1/2</u>	<u>21</u>	<u>8</u>	<u>Lucas</u>	<u>676</u>	<u>2 1/2</u>				
<u>2 3/8</u>	<u>17</u>	<u>8</u>	<u>Lucas</u>	<u>676</u>	<u>2 1/2</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>321</u>	<u>250</u>	<u>displacement</u>		
<u>4 1/2</u>	<u>6768</u>	<u>300</u>	<u>two plug</u>		
<u>2 3/8</u>	<u>6470</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-water fraced with 67,000 sand and 1750 lbs. water. Breakdown pressure - 3000 - 2600, I.R. - 39 bps, treating pressure - 2900, initial shut in pressure - 1000.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 6768 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 6767 feet, and from _____ feet to _____ feet

DATES

6/13/60, 1960 Put to producing _____, 1960
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 ACF - 3554 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 2043

EMPLOYEES

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

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	323	323	Surface
323	825	502	Shale
825	1366	541	Sand and Shale
1366	1600	234	Shale
1600	2000	400	Shale
2000	2476	476	Sand and Shale
2476	2826	350	Shale
2826	3201	375	Sand and Shale
3201	3800	599	Sand and Shale
3800	4302	502	Sand and Shale
4302	4670	368	Sand and Shale
4670	4869	199	Sand and Shale
4869	4977	108	Shale
4977	5324	347	Sand and Shale
5324	5634	310	Sand and Shale
5634	5878	244	Sand and Shale
5878	6096	218	Sand and Shale
6096	6362	266	Sand and Shale
6362	6536	174	Sand and Shale
6536	6627	91	Sand and Shale
6627	6737	110	Sand and Shale
6737	6768	31	Sand and Shale

top of Pictured Cliffs - 2104 top of 6768 6768 6768 6768

