

[illegible]

LOCATE WELL CORRECTLY

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Astec Oil and Gas Company Address Dresser # 570, Farmington, N. Mex.
 Lessor or Tract Hanks Field Undesignated Dak. State New Mexico
 Well No. 18-D Sec. 5 T. 27N R. 9W Meridian N.M.P.M. County San Juan
 Location 810 ft. ^(N) of W Line and 180 ft. ^(E) of E Line of Section 5 Elevation 7109 C.L.

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.

So far as can be determined from an available record:
Signed ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon
Date October 18, 1960 Title District Superintendent

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

Commenced drilling 8/23/60, 1960 Finished drilling 9/17/60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7566 to 7596 (e) No. 4, from _____ to _____
 No. 2, from 7634 to 7644 (c) 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—	
13 3/8	10.5	8rd	J-55	13.00	PIPE	PIPE			
4 1/2	9.5	8rd	J-55	13.00	PIPE	PIPE			
4 1/2	9.5	8rd	J-55	13.00	PIPE	PIPE			
2 3/8	4.7	8rd	J-55	13.00	PIPE	PIPE			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3 3/8	322	275	displacement		
4 1/2	7189	300	two plug		
2 3/8	7511	222			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material.....	Size
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SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Sand-water fraced with 55,000# sand and 1590 gals. water. Breakdown pr. - 2100#						
Maximum - 2900#, avg. treating pressure 2550#, dropped 20 rubber ball sealers,						
I. R. - 42.7 hrs 5 min. shut-in pres. - 2500# 250#.						

TOOLS USED

Rotary tools were used from 0 feet to 7730 feet, and from _____ feet to _____ feet.

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

DATES

----- 9/30/60 -----, 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 **AGP - 1718** Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1817

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2125	2125	Sand and Shale
2125	3215	1090	Sand and Shale
3215	3600	385	Sand and Shale
3600	3815	215	Shale
3815	4169	354	Sand and Shale
4169	4453	284	Sand and Shale
4453	4522	69	Shale
4522	5075	553	Sand and Shale
5075	5760	685	Sand and Shale
5760	6308	548	Sand and Shale
6308	6553	245	Shale
6553	6645	92	Sand and Shale
6645	6991	346	Shale
6991	7044	53	Sand and Shale
7044	7199	155	Shale
7199	7285	86	Sand and Shale
7285	7545	260	Shale
7545	7583	38	Sand and Shale
7583	7625	80	Sand and Shale
7625	7674	49	Sand
7674	7729	55	Shale
7729	7730	1	Sand and Shale

TOP OF PICTURED CLIFFS 15000 FEET
TOP OF DAKOTA - 7500

