

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **ST 065546-B**LEASE OR PERMIT TO PROSPECT
NewmanUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Astec Oil & Gas Company** Address **Box # 785, Farmington, New Mexico**
Lessor or Tract **Newman** Field **Angels Peak** State **New Mexico**
Well No. **6-3** Sec. **19** T. **20N** R. **10W** Meridian **N.M.P.M.** County **San Juan**
Location **790** ft. **N** of **S** Line and **790** ft. **E** of **S** Line of **Section 19** Elevation **5928** 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 G. SALMON**
Joe G. SalmonDate **March 15, 1960**Title **District Superintendent**

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

Commenced drilling **2/12**, 19**60** Finished drilling **2/28**, 19**60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5344** to **5330** **(G)** No. 4, from **5424** to **5428** **(G)**
No. 2, from **5352** to **5358** **(G)** No. 5, from **5432** to **5458** **(G)**
No. 3, from **5406** to **5420** **(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—	
8 5/8	26.5	3	3-55	320	API	5344	5344	5344	5344
4 1/2	16.6	3	3-55	160	API	5330	5330	5330	5330
4 1/2	16.6	3	3-55	160	API	5358	5358	5358	5358
2 3/8	4.7	3	3-55	160	API	5420	5420	5420	5420

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	334	250	displacement		
4 1/2	5410	350	two-plug		
2 3/8	6313				

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 4,900 bbls. water and 20,000 lbs. sand. Breakdown pressure 2600 psi back to 2000. Maximum treating pressure - 2150 psi. Minimum - 2000 psi. dropped 130 rubber ball sealers, I.R. + 50.9 bpm						

TOOLS USED

Rotary tools were used from **0** feet to **511** feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **511** feet, and from _____ feet to _____ feet

DATES

_____, 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 **407 6517** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1977**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	131	131	Surface
131	345	214	Sand & Shale
345	1174	829	Sand & Shale
1174	2325	1151	Sand & Shale
2325	2975	650	Shale
2975	3257	282	Shale
3257	3384	127	Sand & Shale
3384	3542	158	Sand
3542	3699	157	Sand
3699	3814	115	Shale
3814	4054	240	Sand & Shale
4054	4475	421	Shale
4475	4825	350	Shale
4825	5160	335	Shale
5160	5487	307	Shale
5487	5787	320	Shale
5787	5825	38	Shale
5825	6074	249	Sand & Shale
6074	6212	138	Shale
6212	6360	148	Sand & Shale
6360	6393	13	Shale
6393	6510	117	Sand & Shale

FORMATION RECORD—Continued

16-48094-4

Top of formations:

Bottom of formations: _____

Cliff House - 3495, Point Lookout - 4265,
Gallup - 5476, Green Horn - 6230, Graneros - 6294

