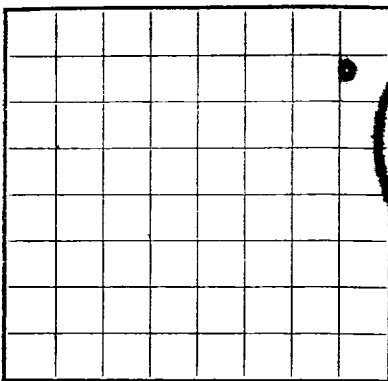
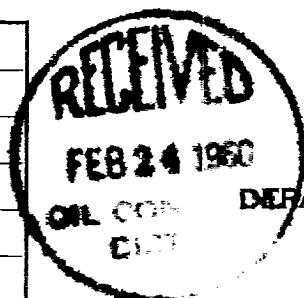




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER SP - 065546-ALEASE OR PERMIT TO PROSPECT Newman

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Astec Oil & Gas Company Address Box # 786, Farmington, New MexicoLessor or Tract Newman Field Angels Peak State New MexicoWell No. 3-A Sec. 19 T28N R. 10W Meridian N.M.P.M. County San JuanLocation 1850 ft. S. of N Line and 750 ft. W. of E. Line of sect. 19 Elevation 5917
(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

Date February 22, 1960 Title District Superintendent

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

Commenced drilling 1/15/60, 1960 Finished drilling 2/8/60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6430 to 3475 (G) 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—	
8 5/8	24	8	J-55	929					
4 1/2	11.60	8	J-55	1187					
4 1/2	9.5	8	J-55	5359					
2 3/8	4.7	8	J-55	6447					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	331	200	displacement		
4 1/2	6560	250	two plug		
2 3/8	6461				

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 forced with 2195 lbs. water and 60,000 # sand. Breakdown pressure - 1400 back to 1000#, treating pressure, Maximum - 1900#, Minimum - 1300#, Final shut-in pr. 900# to 325# Average I.R. - 37.1 bpm						

TOOLS USED

Rotary tools were used from _____ feet to 6560 feet, and from _____ feet to _____ feetCable tools were used from _____ feet to 6514 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 AGF 15,974 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 2035

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	292	292	Surface
292	334	42	Sand & Shale
334	489	155	Sand & Shale
489	925	436	Sand & Shale
925	1389	464	Sand & Shale
1389	1890	501	Sandy Shale
1890	2101	211	Sand & Shale
2101	2486	385	Sand & Shale
2486	2858	372	Sand & Shale
2858	3133	275	Sand & Shale
3133	3306	173	Sand & Shale
3306	3542	236	Sand & Shale
3542	3668	126	Shale
3668	3814	146	Sand & Shale
3814	4025	211	Shale
4025	4175	150	Sand & Shale
4175	4258	83	Shale
4258	4345	87	Sand & Shale
4345	4549	204	Shale
4549	4671	122	Sand & Shale
4671	4799	128	Shale
4799	4931	132	Sand & Shale
4931	5079	148	Shale
5079	5170	91	Sand & Shale
5170	5500	330	Shale
5500	5500	100	Shale

OVER—

LET THE WELL BE CORRECTED

RECEIVED
FEB 24 1960
OFF. OF THE
SEC. OF STATE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
5500	5502	2	Shale & Shale
5502	5503	1	Shale
5503	5505	2	Shale & Sand
5505	5506	1	Shale
5506	5507	1	Shale & Shale
5507	5508	1	Shale & Shale
5508	5509	1	Shale & Shale
5509	5510	1	Shale & Shale
5510	5511	1	Shale & Shale
5511	5512	1	Shale & Shale
5512	5513	1	Shale & Shale
5513	5514	1	Shale & Shale
5514	5515	1	Shale & Shale
5515	5516	1	Shale & Shale
5516	5517	1	Shale & Shale
5517	5518	1	Shale & Shale
5518	5519	1	Shale & Shale
5519	5520	1	Shale & Shale
5520	5521	1	Shale & Shale
5521	5522	1	Shale & Shale
5522	5523	1	Shale & Shale
5523	5524	1	Shale & Shale
5524	5525	1	Shale & Shale
5525	5526	1	Shale & Shale
5526	5527	1	Shale & Shale
5527	5528	1	Shale & Shale
5528	5529	1	Shale & Shale
5529	5530	1	Shale & Shale
5530	5531	1	Shale & Shale
5531	5532	1	Shale & Shale
5532	5533	1	Shale & Shale
5533	5534	1	Shale & Shale
5534	5535	1	Shale & Shale
5535	5536	1	Shale & Shale
5536	5537	1	Shale & Shale
5537	5538	1	Shale & Shale
5538	5539	1	Shale & Shale
5539	5540	1	Shale & Shale
5540	5541	1	Shale & Shale
5541	5542	1	Shale & Shale
5542	5543	1	Shale & Shale
5543	5544	1	Shale & Shale
5544	5545	1	Shale & Shale
5545	5546	1	Shale & Shale
5546	5547	1	Shale & Shale
5547	5548	1	Shale & Shale
5548	5549	1	Shale & Shale
5549	5550	1	Shale & Shale
5550	5551	1	Shale & Shale
5551	5552	1	Shale & Shale
5552	5553	1	Shale & Shale
5553	5554	1	Shale & Shale
5554	5555	1	Shale & Shale
5555	5556	1	Shale & Shale
5556	5557	1	Shale & Shale
5557	5558	1	Shale & Shale
5558	5559	1	Shale & Shale
5559	5560	1	Shale & Shale
5560	5561	1	Shale & Shale
5561	5562	1	Shale & Shale
5562	5563	1	Shale & Shale
5563	5564	1	Shale & Shale
5564	5565	1	Shale & Shale
5565	5566	1	Shale & Shale
5566	5567	1	Shale & Shale
5567	5568	1	Shale & Shale
5568	5569	1	Shale & Shale
5569	5570	1	Shale & Shale
5570	5571	1	Shale & Shale
5571	5572	1	Shale & Shale
5572	5573	1	Shale & Shale
5573	5574	1	Shale & Shale
5574	5575	1	Shale & Shale
5575	5576	1	Shale & Shale
5576	5577	1	Shale & Shale
5577	5578	1	Shale & Shale
5578	5579	1	Shale & Shale
5579	5580	1	Shale & Shale
5580	5581	1	Shale & Shale
5581	5582	1	Shale & Shale
5582	5583	1	Shale & Shale
5583	5584	1	Shale & Shale
5584	5585	1	Shale & Shale
5585	5586	1	Shale & Shale
5586	5587	1	Shale & Shale
5587	5588	1	Shale & Shale
5588	5589	1	Shale & Shale
5589	5590	1	Shale & Shale
5590	5591	1	Shale & Shale
5591	5592	1	Shale & Shale
5592	5593	1	Shale & Shale
5593	5594	1	Shale & Shale
5594	5595	1	Shale & Shale
5595	5596	1	Shale & Shale
5596	5597	1	Shale & Shale
5597	5598	1	Shale & Shale
5598	5599	1	Shale & Shale
5599	5600	1	Shale & Shale

FORMATION RECORD—Continued