

[illegible]

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RELEVANCE

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY **U. S. GEOLOGICAL SURVEY**
WASHINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Astec Oil & Gas Company Address Box # 786, Farmington, New Mexico
 Lessor or Tract Greiner Field Undesignated State New Mexico
 Well No. 9 Sec. 13 T. 31N R. 12W Meridian N.M.P.M. County San Juan
 Location 1130 ft. S of N Line and 1680 ft. W of E Line of Section 13 Elevation 6202 G.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.

Date April 28, 1960 Signed ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon
 Title District Superintendent

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

Commenced drilling 4/5/60, 1960 Finished drilling 4/12/60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2820 to 2846 (a) 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	107'	70	displacement		
2 7/8	2364'	70	two plug		

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 850 Gals. water and 40,000# sand Breakdown pressure - 2300# I.P. - 21 bps, Maximum treating pressure - 2900#, Minimum - 1800#						

TOOLS USED

Rotary tools were used from 0 feet to 287' feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 264' 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 107,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 755

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	Surface
60	99	39	Shale
99	110	11	Shale
110	1110	1000	Sand & Shale
1110	1792	682	Sand & Shale
1792	1967	175	Shale
1967	2200	233	Sand & Shale
2200	2585	385	Sand & Shale
2585	2700	115	Sand & Shale
2700	2804	104	Sand & Shale
2804	2887	83	Sand & Shale

FORMATION RECORD—Continued

16-48094-1

TOP OF PICTURED CLIFFS FORMATION -2920'

U.S. Land Office
Serial Number 42-18354
Date of Permit to Prospect

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company _____
Lessor or Tract _____
Well No. _____
Location _____
Sec. _____ T. _____ R. _____
County _____ State _____
Address _____
Time of Location _____
Elevation _____

The information given herein is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
ORIGINAL SIGNED BY THE C. SALMON

Date _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
19____

OIL OR GAS SANDS OR ZONES

(Indicate gas by G)
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____

CASING RECORD

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 same and its results. If there were any changes made in the casing, state fully, and if any casing was "struck" or left in the well, give the size and location. If the well has been dynamited, give date, size, position, and number of shots. If logs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.
Casing _____
Size _____
Depth _____
Purpose _____

HISTORY OF OIL OR GAS WELL

U.S. GOVERNMENT PRINTING OFFICE
16-48084-2

MUDDING AND CEMENTING RECORD

Size of casing	Weight of mud	Number sacks of cement	Mixed used	Kind of mud	Amount of mud used
8 1/2"	100	10	10	Water	
8 1/2"	100	10	10	Water	

TOOLS AND MATERIALS

Size _____
Weight _____
Depth _____
Purpose _____

SHOOTING RECORD

Shot	Weight used	Quantity	Date	Depth shot	Depth cleared out
100	100	10	10/10/60	10	10
100	100	10	10/10/60	10	10

TOOLS USED

Rotary tools were used from _____ feet to _____ feet and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet and from _____ feet to _____ feet

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil, _____% gas, _____% water; and _____% sediment.
Gravimetric, _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Block pressure, lbs. per sq. in. _____
11 gas well, cu. ft. per 24 hours _____

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	0	0	Surface
10	10	10	Gravel
20	20	20	Gravel
30	30	30	Gravel
40	40	40	Gravel & shale
50	50	50	Gravel & shale
60	60	60	Gravel & shale
70	70	70	Gravel & shale
80	80	80	Gravel & shale
90	90	90	Gravel & shale
100	100	100	Gravel & shale
110	110	110	Gravel & shale
120	120	120	Gravel & shale
130	130	130	Gravel & shale
140	140	140	Gravel & shale
150	150	150	Gravel & shale
160	160	160	Gravel & shale
170	170	170	Gravel & shale
180	180	180	Gravel & shale
190	190	190	Gravel & shale
200	200	200	Gravel & shale
210	210	210	Gravel & shale
220	220	220	Gravel & shale
230	230	230	Gravel & shale
240	240	240	Gravel & shale
250	250	250	Gravel & shale
260	260	260	Gravel & shale
270	270	270	Gravel & shale
280	280	280	Gravel & shale
290	290	290	Gravel & shale
300	300	300	Gravel & shale
310	310	310	Gravel & shale
320	320	320	Gravel & shale
330	330	330	Gravel & shale
340	340	340	Gravel & shale
350	350	350	Gravel & shale
360	360	360	Gravel & shale
370	370	370	Gravel & shale
380	380	380	Gravel & shale
390	390	390	Gravel & shale
400	400	400	Gravel & shale
410	410	410	Gravel & shale
420	420	420	Gravel & shale
430	430	430	Gravel & shale
440	440	440	Gravel & shale
450	450	450	Gravel & shale
460	460	460	Gravel & shale
470	470	470	Gravel & shale
480	480	480	Gravel & shale
490	490	490	Gravel & shale
500	500	500	Gravel & shale
510	510	510	Gravel & shale
520	520	520	Gravel & shale
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850	850	850	Gravel & shale
860	860	860	Gravel & shale
870	870	870	Gravel & shale
880	880	880	Gravel & shale
890	890	890	Gravel & shale
900	900	900	Gravel & shale
910	910	910	Gravel & shale
920	920	920	Gravel & shale
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1000	1000	1000	Gravel & shale