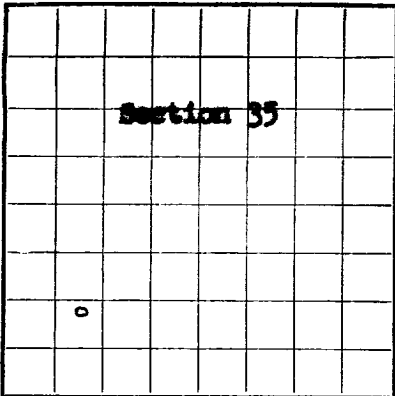




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **010989**
LEASE OR PERMIT TO PROSPECT _____
Comm. Agree. **14-08-001-1209**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Astec Oil & Gas Company** Address **920 Mercantile Sec. Bldg., Dallas 1, Texas**
Lessor or Tract **Horton** Field **Farmington** State **New Mexico**
Well No. **1** Sec. **35** T. **32N** R. **11W** Meridian **BNM** County **San Juan**
Location **1043** ft. $\left\{ \begin{smallmatrix} N. \\ E. \end{smallmatrix} \right\}$ of **S** Line and **824** ft. $\left\{ \begin{smallmatrix} E. \\ W. \end{smallmatrix} \right\}$ of **W** Line of **Sec. 35-32N-11W** Elevation **6005** **GL**
(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 _____

Date **March 17, 1955**Title **Petroleum Engineer**

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

Commenced drilling **February 5**, 19**55** Finished drilling **February 26**, 19**55**

OIL OR GAS SANDS OR ZONES

No. 1, from **4473** to **4609** (0) No. 4, from _____ to _____
No. 2, from **4978** to **5225** (0) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____No. 1, from **4473** to **4609** (0) No. 3, from _____ to _____
No. 2, from **4978** to **5225** (0) 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—	
9-5/8	32	8	E-40	157	HOWCO				
7	28	8	E-40	4473	HOWCO				
2	14	8	E-40	5225	HOWCO				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	170	135	Circulated		
7	4440	350	2-plug		
2	5118				

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

TOOLS USED

Rotary tools were used from **0** feet to **4440** feet, and from _____ feet to _____ feet
Gas Drilling Cable tools were used from **4440** feet to **5225** feet, and from _____ feet to _____ feet

Completed:

DATES

March 3, 19**55** 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 **6,228,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1021** (7 days)

EMPLOYEES

J. S. Roland, Driller **H. B. Lynn Drig. Co.**, Driller
Lee Maylor, Driller **H. B. Lynn Drilling Co.**, Driller

FORMATION RECORD

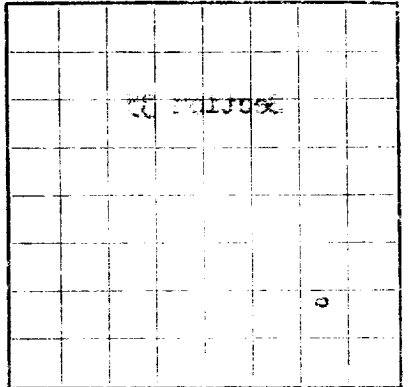
FROM—	TO—	TOTAL FEET	FORMATION
0	41	41	Sand
41	2615	2574	Sand & shale
2615	2755	140	Sand, shale & coal
2755	4021	1266	Sand & shale
4021	4080	59	Shale
4080	4146	76	Sand & shale
4146	4300	154	Shale
4300	4330	30	Shale & (hard) sand
4330	4350	20	Sand
4350	4440	90	Sand & shale
4440	4609	169	Sand
4609	4648	39	Shale & sand
4648	4745	97	Sand
4745	5045	300	Sand & shale
5045	5225	180	Sand
			TOPS:
			Pictured Cliffs 2736
			Cliff House 4473
			Manefee 4650
			Point Lookout 4960
			Mancos 5160

FORMATION RECORD—CONTINUED

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

Form 3-320



Company _____
Lessor or Owner _____
Well No. _____
Location _____
The information given herewith 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 _____
Date _____

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

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____
No. 7, from _____ to _____
No. 8, from _____ to _____
No. 9, from _____ to _____
No. 10, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per foot	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
4 1/2	12.5	8	HOBO	100	HOBO	100	100	100

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 the results. If there were any changes made in the casing, state fully, and if any casing was added or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. Addings or changes were put in to test for water, gas, or oil, and the results of the test.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Where used	Amount of mud used	Method used	Mud grade	Amount of mud used
100	100	100	100	100

PLUGS AND ADAPTERS

Adapter—Material	Length	Depth set
100	100	100

SHOOTING RECORD

Size	Shots used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
100	100	100	100	100	100	100

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.	Other tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.
--	---

DATES

Put to producing _____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% was water; and _____% sediment.

If gas well, cut. ft. per 24 hours _____
Block pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravity, °Bé. _____

EMPLOYEES

Driller	Driller
100	100

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Sand
10	20	20	Sand & shale
20	30	30	Sand, shale & coal
30	40	40	Sand & shale
40	50	50	Sand
50	60	60	Sand & shale
60	70	70	Sand
70	80	80	Sand & (hard) sand
80	90	90	Sand
90	100	100	Sand & shale
100	110	110	Sand
110	120	120	Sand & shale
120	130	130	Sand
130	140	140	Sand & shale
140	150	150	Sand
150	160	160	Sand & shale
160	170	170	Sand
170	180	180	Sand & shale
180	190	190	Sand
190	200	200	Sand & shale
200	210	210	Sand
210	220	220	Sand & shale
220	230	230	Sand
230	240	240	Sand & shale
240	250	250	Sand
250	260	260	Sand & shale
260	270	270	Sand
270	280	280	Sand & shale
280	290	290	Sand
290	300	300	Sand & shale
300	310	310	Sand
310	320	320	Sand & shale
320	330	330	Sand
330	340	340	Sand & shale
340	350	350	Sand
350	360	360	Sand & shale
360	370	370	Sand
370	380	380	Sand & shale
380	390	390	Sand
390	400	400	Sand & shale
400	410	410	Sand
410	420	420	Sand & shale
420	430	430	Sand
430	440	440	Sand & shale
440	450	450	Sand
450	460	460	Sand & shale
460	470	470	Sand
470	480	480	Sand & shale
480	490	490	Sand
490	500	500	Sand & shale
500	510	510	Sand
510	520	520	Sand & shale
520	530	530	Sand
530	540	540	Sand & shale
540	550	550	Sand
550	560	560	Sand & shale
560	570	570	Sand
570	580	580	Sand & shale
580	590	590	Sand
590	600	600	Sand & shale
600	610	610	Sand
610	620	620	Sand & shale
620	630	630	Sand
630	640	640	Sand & shale
640	650	650	Sand
650	660	660	Sand & shale
660	670	670	Sand
670	680	680	Sand & shale
680	690	690	Sand
690	700	700	Sand & shale
700	710	710	Sand
710	720	720	Sand & shale
720	730	730	Sand
730	740	740	Sand & shale
740	750	750	Sand
750	760	760	Sand & shale
760	770	770	Sand
770	780	780	Sand & shale
780	790	790	Sand
790	800	800	Sand & shale
800	810	810	Sand
810	820	820	Sand & shale
820	830	830	Sand
830	840	840	Sand & shale
840	850	850	Sand
850	860	860	Sand & shale
860	870	870	Sand
870	880	880	Sand & shale
880	890	890	Sand
890	900	900	Sand & shale
900	910	910	Sand
910	920	920	Sand & shale
920	930	930	Sand
930	940	940	Sand & shale
940	950	950	Sand
950	960	960	Sand & shale
960	970	970	Sand
970	980	980	Sand & shale
980	990	990	Sand
990	1000	1000	Sand & shale