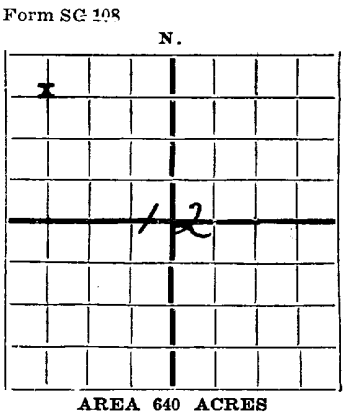
Govt Well

Form SG 108



AREA 640 ACRES
LOCATE WELL CORRECTLY

DUPLICATE

NEW MEXICO STATE LAND OFFICE

SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company Amerada Pet. Corp. Address Tulsa, Okla.

Send correspondence to Amerada Pet. Corp. Address Hobbs New, Mexico.

Andrews Well No. 1 in N.W.¼ of N.W.¼ Sec. 12, T. 20 S,

R. 36E, N. M. P. M., Monument Oil Field Lea County.

If State land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is ....., Address .....

The lessee is Amerada Petroleum Corporatio, Address Tulsa, Oklahoma

If not state or patented land, give status Andrews Federal Permit Number 7

Drilling commenced June 23 1935. Drilling was completed August 30, 1935

Name of drilling contractor Sparkman & Reusch, Address Tulsa, Okla.

Elevation above sea level at top of casing 3564 feet.

The information given is to be kept confidential until NO Request 19....

OIL SANDS OR ZONES

No. 1, from 3810' to 3901' 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 None to ..... No. 3, from ..... to .....

No. 2, from ..... to ..... No. 4, from ..... to .....

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
12½"	40#	8	Weld	146'9"	T.P.				
9-5/8"	36#	8	Seam	2311'0"	Larkin				
7"	24#	10	Seam	3792'1"	Larkin				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12½"	165	90	Halliburton		
9-5/8"	2310	550	Halliburton		
7"	3770	100	Halliburton		

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
Wells was treated with 2000 Gals. Dowell XX acid below packer set at 3780', on 8/28/35						
Was treated with 500 Gals. Dowell XX on ~~XXX~~ Sept. 4, and allowed it to stand 5 Hrs.						
Flowed 21 minutes and then treated with 3000 Gals. and allowed to stand 5 Hrs.						

TOOLS USED

Rotary tools were used from 0 feet to 3901' feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing August 25, 1935.

The production of the first 24 hours was 30 barrels of fluid of which 98 % was oil; ..... % emulsion; 2% drilling water; and ..... % sediment. Gravity, Be 32.

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

Well Produced 223 Bbls. pipe line oil in three hours after acid treatment.

EMPLOYES

Otto Trimble, Driller G.V.Roper, Driller

Leo Buckley, Driller ....., Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 7th day of Sept, 1935

Mary Frances Beal
Notary Public.

My commission expires July 28-38

Name J. Fuerman

Position Superintendent

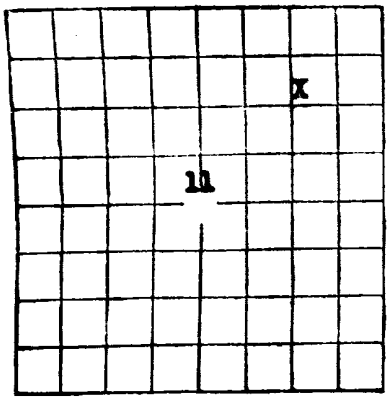
Representing Amerada Petroleum Corporation
Company or Operator.

DUPLICATE

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18		Cellar and substructure
18	60	42	Clay and sand
60	80	20	Lime
80	174	94	Lime,Red bed and Hardv shells
174	191	18	Red Bed
191	249	58	Blue Shale
249	317	68	Red Bed and Shells
317	385	68	Red Bed
385	420	35	Red Bed and Shells
420	427	7	Red Bed
427	466	39	Red Bed
466	524	58	Red Bed
524	597	73	Red Bed
597	630	33	Red Bed
630	698	68	Red Rock and Sand
698	773	75	Red Rock and Sand
773	815	42	Red Bed
815	885	70	Red Rock and Sand
885	909	24	Blue Shale and Red Bed
909	933	24	Red Bed
933	1005	72	Anhydrite
1005	1090	85	Anhydrite
1090	1173	83	Anhydrite and Red Rock
1173	1195	22	Anhydrite and Shells
1195	1237	42	Broken Potash and Salt
1237	1254	17	Potash and Anhydrite
1254	1300	46	Anhydrite and SaltBroken Anhydrite
1300	1362	62	Potash and Salt
1362	1447	85	Broken Anhydrite and Potash,Salt and Shells
1447	1470	23	Anhydrite and Potash
1470	1558	88	Salt and Potash
1558	1578	20	Broken Anhydriet and Potash,Salt
1578	1601	23	Anhydrite and Salt
1601	1620	19	Potash and Salt
1620	1634	14	Anhydrite and Salt
1634	1655	21	Broken Potash and Salt
1655	1666	11	Salt
1666	1680	14	Anhydrite
1680	1727	47	Anhydrite and Salt
1727	1748	21	Anhydrite,Red Rock and Salt
1748	1762	14	Salt and Potash
1762	1781	19	Salt
1781	1823	42	Potash and Salt
1823	1826	3	Potash
1826	1893	67	Salt and Potash
1893	1907	14	Anhydrite and Potash and Salt
1907	1935	28	Salt and Potash
1935	1964	29	Anhydrite and Salt
1964	1978	14	Anhydrite and Potash
1978	1991	13	Salt and Potash
1991	2026	35	Potash,Salt and Red Rock
2026	2061	35	Salt and Potash
2061	2065	4	Potash
2065	2085	20	Potash and Salt
2085	2091	6	Broken Salt
2091	2104	13	Anhydrite
2104	2108	4	Broken Anhydrite,Salt and Shells
2108	2130	22	Salt
2130	2135	5	Anhydrite
2135	2160	25	Anhydrite and Salt
2160	2170	10	Potash,Salt and Anhydrite
2170	2247	77	Salt
2247	2270	23	Broken Salt,Potash and Anhydrite
2270	2278	8	Salt
2278	2664	386	Anhydrite
2664	2670	6	Broken Lime
2670	2677	7	Lime
2677	2710	33	Anhydrite and Lime
2710	2736	26	Anhydrite
2736	2763	27	Anhydrite and Lime
2763	2775	12	Anhydrite
2775	2780	5	Broken Lime
2780	2797	17	Anhydrite and Lime
2797	2805	8	Anhydrite
2805	2825	20	Brown Lime
2825	2837	12	Anhydrite
2837	2940	103	Anhydrite and Lime
2940	2946	6	Anhydrite and Sand
2946	3052	106	Anhydrite
3052	3083	31	Broken Anhydrite and Lime
3083	3095	12	Anhydrite,Lime Sand
3095	3127	32	Anhydrite
3127	3140	13	Broken Lime and Anhydrite
3140	3149	9	Lime
3149	3155	6	Anhydrite and Sand
3155	3160	5	Sand Gas showing
3160	3175	15	Anhydrite and Sand
3175	3195	20	Anhydrite and Lime
3195	3205	10	Anhydrite and Sand
3205	3211	6	Anhydrite
3211	3222	11	Anhydrite and Sand
3222	3244	22	Anhydrite (hard)
3244	3265	21	Anhydrite and Lime
3265	3328	63	Anhydrite
3328	3348	20	Anhydrite and Lime
3348	3365	17	Anhydrite
3365	3371	6	Sand
3371	3382	11	Anhydrite and Sand
3382	3393	11	Sand
3393	3405	12	Anhydrite
3405	3418	13	Broken Anhydrite and Sand
3418	3448	30	Anhydrite
3448	3460	12	Anhydrite andSand
3460	3491	31	Broken Anhydrite and Lime
3491	3511	20	Gray Lime
3511	3524	13	Anhydrite
3524	3625	101	Anhydrite and Lime
3625	3709	84	Anhydrite
3709	3720	11	Anhydrite and Sand
3720	3730	10	Gray Lime
3730	3767	37	Anhydrite and Lime
3767	37 95	28	Brown Lime
3795	3810	15	Broken gas Sand
3810	3831	21	Oil Lime
3831	3829	-2	Stell line correction
3829	3901	72	Lime

Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 046164
LEASE OR PERMIT TO PROSPECT Hazel Wolff Andrews - Permit

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Amerada Petroleum Corporation Address Tulsa, Oklahoma

Lessor or Tract Hazel Wolff Andrews Field Monument State New Mexico

Well No. 2 Sec. 11 T. 20 R. 36 Meridian E County Lea

Location 660 ft. {N. / S.} of N Line and 660 ft. {E. / W.} of E Line of Section 11 Elevation 3583
(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 T. F. Taylor Title Farm Boss

Date January 23, 1936

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

Commenced drilling December 14, 1935 Finished drilling January 15, 1936

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3797 to 3895 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 None 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 From	Perforated To	Purpose
12½	40	8	Weld	168					
9-5/8	36	8	Seam	2320B					
7"	24	10	Seam	3739					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12½"	184	150	Halliburton		
9-5/8"	2336	500	Halliburton		
7"	3760	100	Halliburton		

MARK

ILLEGIBLE

HISTORY OF OIL OR GAS WELL

Use of the greatest importance to have a complete history of the well. Please write in detail the dates of recording, together with the reasons for the work and its results. If there were any changes made in the casing, state fully and exactly what was "underreamed," or left in the well, give its size and location. If the well has been shot, give date, size, and kind of shots. If plugs or bridges were put in to test any water, state exactly what was done, and results of testing or bailing.

Made location on this well December 4, 1935. Started building derrick December 5, 1935. Completed derrick December 12, 1935. Started drilling December 14, 1935. Completed drilling January 15, 1936. Total depth was 3295'. Rig Tubing was set at 3251'. Well was swabbed after setting tubing with no results but gas and drilling water. Packer was then set at 3208' with perforations below and well swabbed for several hours. The last hours of swabbing well produced approximately 5 barrels oil per hour swabbing. The well was then treated with 2,000 gal Dowell XX acid and followed with 32 barrels of oil for a flush blanket. Well was then swabbed in, and after running swab twice well started flowing. Then turned into tanks produced at rate of 59 barrels per hour with a gas-oil ratio of 1271. Well completed and placed on production 1-20-1936. Proration allowable will begin February 1, 1936.

FOLD

Heaving plug—Material ..... Length ..... Depth set .....

Adapters Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Well was treated with 2,000 Gals. Dowell X X acid below packer set at 3805' on 1/19/1936. Well produced 59 barrels per hour on open 2½" tubing. Gas 1,800,000 daily or gas-oil ratio of 1271.						

TOOLS USED

Rotary tools were used from 0 feet to 3895 feet, and from ..... feet to ..... feet

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

DATES

....., 19..... Put to producing January 20, 1936

The production for the first 24 hours was 315 barrels of fluid of which 99 % was oil; ..... % emulsion; 1 Drilling % water; and ..... % sediment. Gravity, °Bé. 32

If gas well, cu. ft. per 24 hours 1,800,000 Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

Jack Reynolds, Driller Fred Kaskie, Driller

Jack Loffland, Jr., Driller ....., Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	18	18	Cellar & Substructure
18	27	9	Sand & Shale
27	129	102	Sand & Shells
129	160	31	Sand & Shells
160	203	43	Red Beds
203	416	213	Red Beds & Shale
416	645	229	Red Beds
645	744	99	Red Beds & Shale
744	811	67	Red Beds, Shale & Sand
811	820	9	Red Rock & Sand
820	900	80	Shale & Shells
900	970	70	Shale & Shells (Top of Anhydrite)
970	972	2	Anhydrite
972	1004	32	Anhydrite
1004	1018	14	Lime
1018	1064	46	Anhydrite
1064	1126	62	Broken Anhydrite
1126	1300	74	Salt
1300	1380	80	Salt & Shells
1380	1395	15	Anhydrite
1395	1417	22	Salt & Shells
1417	1444	27	Salt
1444	1476	32	Anhydrite
1476	1581	105	Salt & Shells

(OVER)

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
1664	1674	10	STEEL LINE CORRECTION
1674	1824	150	Salt, Potash & Anhydrite
1824	1884	60	Salt
1884	1901	17	Anhydrite
1901	2002	101	Salt, Anhydrite & Shells
2002	2060	58	Salt
2060	2075	15	Anhydrite
2075	2254	179	Salt
2254	2258	4	Anhydrite
2258	2268	10	Salt (Base salt 2268')
2268	2365	97	Anhydrite
2365	2398	33	Lime & Anhydrite
2398	2457	59	Lime, Anhydrite & Sand
2457	2494	37	Lime
2494	2553	59	Anhydrite
2553	2620	67	Lime & Anhydrite
2620	2684	64	Anhydrite (Top of Monument Lime 2610')
2684	2931	247	Lime
2931	2970	39	Lime & Anhydrite
2970	3041	71	Lime
3041	3086	45	Lime & Anhydrite
3086	3136	50	Lime
3136	3190	54	Lime & Anhydrite (Gas show at 3165)
3190	3273	83	Lime
3273	3323	50	Lime & Anhydrite
3323	3395	72	Lime
3395	3445	50	Lime & Anhydrite
3445	3519	74	Lime
3519	3548	29	Lime & Anhydrite
3548	3625	77	Lime
3625	3665	40	Lime & Anhydrite
3665	3895	230	Lime (Total Depth 3895)