Form SG 109

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

REQUEST FOR PERMISSION TO CONNECT WITH PIPE LINE

This request should be in triplicate and should be submitted for changes in connections as well as original connections. Permission of the Commissioner of Public Lands should be obtained before connecting, for State lands only.

Hobbs, N. Mex., June 27, 19 35

Mr. E. H. Wells

State Geologist,
Santa Fe, N. Mex.

Dear Sir:

Permission is requested to connect H. L. Houston

Wells No. 1 in SE¼ of NE¼ of Sec. 7

T. 21 S, R. 36 E, N. M. P. M., Eunice

Field, Lea County, with the pipe line of the

The Texas Pipe Line Company
Name of Pipe Line Company

Logs of the above wells were filed with the State Geologist June 27, 1935 19

All other requirements have been complied with.

Yours truly,

Amerada Petroleum Corporation
Owner or Operator

By [signature]

Position Farm Boss

Address Hobbs, New Mexico

Permission is hereby granted to make pipe line connections requested above.

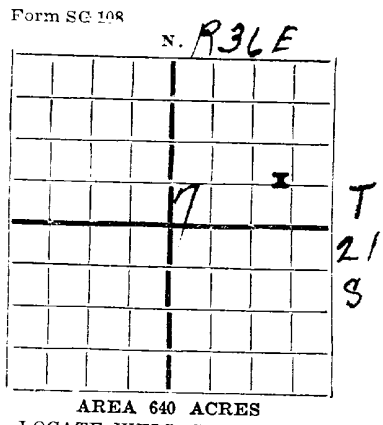
Commissioner of Public Lands

Date 19

Approved July 9 19 35

[signature]
State Geologist

Form SC 108



NEW MEXICO STATE LAND OFFICE

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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 Petroleum Corporation Address Tulsa, Oklahoma.

Send correspondence to Amerada Petroleum Corp. Address Box 2040, Tulsa, Oklahoma.

H. L. Houston Well No. 1 in SE¼ of NE¼ of Sec. 7, T. 21S

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

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

If patented land the owner is H. L. Houston, Address Eunice, New Mexico

The lessee is Amerada Petroleum Corporation, Address Tulsa, Oklahoma

If not state or patented land, give status .....

Drilling commenced April 18, 1935. Drilling was completed June 15, 1935

Name of drilling contractor Harry Bass, Address Dallas, Texas.

Elevation above sea level at top of casing 3598' feet.

The information given is to be kept confidential until no request 19....

OIL SANDS OR ZONES

No. 1, from 3794 to 3797 No. 4, from ..... to .....

No. 2, from 3801 to 3810 No. 5, from ..... to .....

No. 3, from 3822 to 3828 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	45#	8	Weld	262'	T.P.				
9-5/8"	36#	8	Seamless	2703	Larkin				
7"	24#	10	"	3757	Baker				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12½"	275'	175	Halliburton		
9-5/8"	2685'	500	"		
7"	3745'	75	"		

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
	Treated with 2000 gallons of Dowell XX acid June 21, 1935. 116 barrels oil pumped in ahead of acid. 22½ barrels oil pumped in after acid. Allowed to stand closed in 6 hours before starting to swab.					

TOOLS USED

Rotary tools were used from Rotary only. feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from None feet to ..... feet, and from ..... feet to ..... feet

PRODUCTION

Put to producing June 13, 1935 at total depth of 3810'

The production of the first 24 hours was 5 Bbls. per HR barrels of fluid of which ..... % was oil; ..... % emulsion; ..... % water; and ..... % sediment. Gravity, Be .....

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

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

Flowed 6 Bbls. per Hr. after deepening to 3835', but before treating with acid.
Flowed at rate of 867 Bbls. per day after treating with acid.

EMPLOYES

C. B. Puryman, Driller M. R. Hastings, Driller

M. E. Self, 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 27th day of June, 1935

Mary Frances Beal
Notary Public.

My commission expires July 28 38

Name E. E. Clarke

Position Farm Boss

Representing Amerada Petroleum Corporation
Company or Operator.

P. O. BOX 1348
FT. WORTH, TEXAS

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Caliche
20	50	30	Gravel
50	175	125	Sand
175	190	15	Sand
190	200	10	Gravel
200	212	12	Red Bed
212	240	28	Shale
240	265	25	Shale & Shells
265	280	15	Red Bed
280	293	13	Red Shale
293	415	122	Shale
415	455	40	Shale & Shells
455	490	35	Red Bed
490	510	20	Shale
510	678	168	Shale & Shells
678	756	78	Red Bed, Shale & Shells
756	805	49	Red Bed & Shells
805	831	26	Shale & Lime
831	869	38	Lime & Red Bed
869	1000	131	Red Bed & Sandy Lime Shells
1000	1027	27	Red Bed & Sandy Lime
1027	1055	28	Red Bed
1055	1070	15	Red Bed & Lime Shells
1070	1075	5	Gyp
1075	1143	68	Red Bed & Shells
1143	1171	28	Red Bed & Gyp
1171	1197	26	Red Bed
1197	1210	13	Anhydrite
1210	1237	27	Anhydrite
1237	1263	26	Anhydrite & Lime
1263	1343	80	Anhydrite
1343	1351	8	Gas Sand
1351	1360	9	Anhydrite
1360	1400	40	Anhydrite and streaks of salt
1400	1410	10	Anhydrite
1410	1531	121	Salt
1531	1575	44	Salt and Potash
1575	1589	14	Anhydrite
1589	1620	31	Salt
1620	1660	40	Anhydrite, salt and Red Rock
1660	1712	52	Anhydrite and Potash
1712	1732	20	Salt
1732	1773	41	Salt, Anhydrite and Potash
1773	1845	72	Salt & Potash
1845	1912	67	Potash, Salt and anhydrite
1912	1980	68	Potash and Salt
1980	2017	37	Anhydrite, Potash and Salt
2017	2057	40	Anhydrite (hard)
2057	2072	15	Potash and Anhydrite
2072	2179	107	Salt
2179	2262	83	Salt, Potash and Anhydrite
2262	2285	20	Salt and Potash
2285	2300	15	Anhydrite
2300	2305	5	Salt
2305	2312	7	Salt and Potash
2312	2331	19	Anhydrite (hard)
2331	2353	22	Salt, Potash and Anhydrite
2353	2400	47	Salt and Anhydrite
2400	2452	52	Salt and Potash
2452	2488	36	Salt and Anhydrite
2488	2500	12	Anhydrite
2500	2555	55	Salt and Potash
2555	2668	113	Salt and Anhydrite
2668	2780	112	Anhy[illegible] hard)
2780	2809	29	Anhydrite and streaks of lime
2809	2825	16	Anhydrite
2825	2830	5	Gas Sand
2830	2840	10	Anhydrite
2840	2851	11	Lime
2851	2884	33	Anhydrite
2884	2887	3	Sandy Lime
2887	2895	8	Anhydrite
2895	2900	5	Lime and Anhydrite
2900	2905	5	Anhydrite
2905	2938	33	Lime & Anhydrite
2938	2978	40	Anhydrite
2978	2992	14	Lime
2992	3021	29	Anhydrite
3021	3025	4	Brown Lime
3025	3054	29	Anhydrite
3054	3062	8	Lime
3062	3076	14	Broken Lime and Anhydrite
3076	3085	9	Lime
3085	3096	11	Lime and Anhydrite
3096	3135	39	Broken Brown Lime and Anhydrite
3135	3141	6	Brown Lime
3141	3157	16	Anhydrite and Lime
3157	3166	9	Broken Brown Lime and Streaks of Sandy Lime
3166	3172	6	XXXXXXXX Brown Lime
3172	3184	12	Lime
3184	3195	11	Gray Lime
3195	3198	3	Broken Lime and Sand
3198	3206	8	Brown Lime
3206	3220	14	Lime
3220	3281	61	Brown Lime
3281	3287	6	Broken Gas sand
3287	3290	3	Brown Lime
3290	3325	35	Broken Brown Lime and Sand
3325	3339	14	Lime
3339	3351	12	Brown Lime
3351	3370	19	Anhydrite
3370	3372	2	Sand
3372	3393	21	Brown Lime
3393	3402	9	Broken Sandy Lime
3402	3427	25	Broken Anhydrite and Lime
3427	3445	18	Broken Lime
3445	3456	11	Brown Lime
3456	3485	29	Brown Lime and Anhydrite
3485	3497	12	Brown Lime
3497	3505	8	Broken Sand
3505	3515	10	Brown Lime
3515	3547	32	Broken Sandy Lime
3547	3572	25	Lime And Anhydrite
3572	3584	12	Broken Lime
3584	3604	20	Brown Lime
3604	3619	15	Brown Lime and Anhydrite
3619	3627	8	Brown Lime
3627	3637	10	Broken Lime and Mica
3637	3661	24	Lime and Thin Streaks of Sand
3661	3679	18	Lime