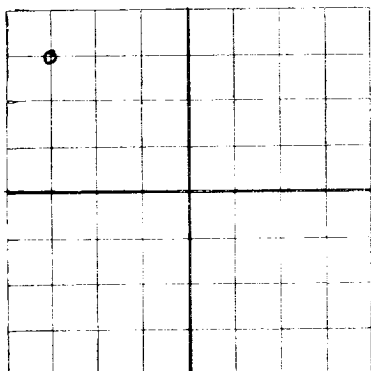
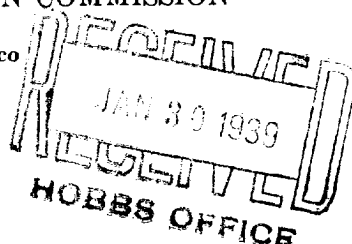


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## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

DUPLICATE

Phillips Petroleum Company Bartlesville, Oklahoma  
Company or Operator Address  
Santa Fe Well No. 13 in NW/4 NW/4 of Sec. 28, T. 17-S  
Lease  
R. 35-E N. M. P. M. Vacuum Field, Lea County.  
Well is 660 feet south of the North line and 660 feet East West of the East line of Sec. 28  
If State land the oil and gas lease is No. B-2498 Assignment No.  
If patented land the owner is Address.  
If Government land the permittee is Address.  
The Lessee is Phillips Petroleum Company Address Bartlesville, Oklahoma  
Drilling commenced November 13, 1938 Drilling was completed December 19, 1938  
Name of drilling contractor Loffland Brothers Address Tulsa, Oklahoma  
Elevation above sea level at top of casing 3961.8 feet.  
The information given is to be kept confidential until Not confidential 19

## OIL SANDS OR ZONES

No. 1, from 4260' to 4695' No. 4, from to  
No. 2, from to No. 5, from to  
No. 3, from to No. 6, from to

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None logged - drilled with rotary tools feet.  
No. 2, from to feet.  
No. 3, from to feet.  
No. 4, from to feet.

## CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
9-5/8" OD	36#	8	South Chester	1664' 2"	Halliburton			
7" OD	24#	10	SS	4259' 5"	Halliburton			

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4"	9-5/8"	1664' 2"	875	Halliburton	No record	No record
8-3/4"	7"	4259' 5"	400	Halliburton	No record	No record

## PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set  
Adapters—Material Size

RECORD OF ~~EXPLOSIVE~~ OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
1000 gal.		Dowell XX	1000 gal	12-22-38	4280-4630	
1000 gal.		Dowell XX	1000 gal	12-26-38	4260-4630	
2000 gal.		Dowell XX	2000 gal	1-8-39	4634-4695	

Results of shooting or chemical treatment After treating 1-8-39, swabbed out oil load and acid and well flowed 15 bbls. oil, no water in 1 hour & died. Let pressure up 42 hours & well flowed 182 bbls. oil, no water in 24 hrs. 1-19-39 tested 6 hrs. thru 14/64" choke. Flowed 27.53 bbls. oil no water. Gas measured 55.9 MCF daily. Gas-oil ratio 308.

RECORD OF DRILL-STEM AND SPECIAL TESTS  
If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## TOOLS USED

Rotary tools were used from 0 feet to 4695 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

## PRODUCTION

Put to producing January 12, 1939  
The production of the first 24 hours was 182 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 37.5  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

## EMPLOYEES

Driller Driller  
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 25th

day of January 1939

Notary Public

My Commission expires

Odessa, Texas January 25, 1939

Name

Position District Chief Clerk

Representing Phillips Petroleum Company  
Company or Operator

Address Drawer 811, Odessa, Texas

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	246	246	Sand & Shells
246	481	235	Red Bed
481	718	237	Red Rock & Shale
718	945	227	Red Bed & Shells
945	1130	185	Red Bed
1130	1272	142	Red Rock & Shale
1272	1480	208	Red Bed & Shells
1480	1557	77	Shale & Shells
1557	1634	77	Red Bed & Shells
1634	1660	26	Shells & Shale
1660	1735	75	Anhydrite
1735	1829	94	Broken Anhy. and Salt.
1829	1990	161	Anhydrite Shells and Salt.
1990	2128	138	Anhydrite and Salt.
2128	2486	358	Salt & Anhydrite Shells
2486	2832	346	Salt & Shells
2832	2878	46	Anhydrite & Gyp
2878	2905	27	Anhydrite & Shells
2905	3098	193	Anhydrite & Gyp
3098	3138	40	Anhydrite
3138	3166	28	Anhydrite Sandy Lime & Gyp
3166	3261	95	Anhydrite and Gyp
3261	3318	57	Anhydrite
3318	3396	78	Anhydrite & Gyp
3396	3430	34	Anhydrite
3430	3467	37	Anhydrite & Gyp
3467	3494	27	Anhydrite
3494	3615	121	Anhydrite & Gyp
3615	3640	25	Anhydrite
3640	3740	100	Anhydrite and Gyp
3740	3771	31	Anhydrite & Lime Shells
3771	3820	49	Anhydrite & Gyp
3820	3849	29	Lime & Gyp
3848	3873	24	Lime Gyp and Anhy. Shells
3873	3926	53	Anhydrite & Gyp
3926	3956	30	Lime & Gyp
3956	3985	29	Anhydrite & Gyp
3985	4010	25	Anhydrite Lime & Gyp
4010	4036	26	Anhydrite shells & lime.
4036	4062	26	Lime Anhydrite
4062	4103	41	Anhydrite & Gyp
4103	4124	21	Anhydrite & Lime
4124	4154	30	Lime & Gyp
4154	4201	47	Anhydrite & Gyp
4201	4695	494	Lime T.D.