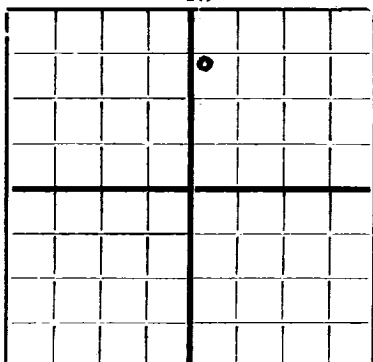


N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

DEPARTMENT OF THE STATE GEOLOGIST

NEW MEXICO SCHOOL OF MINES
Socorro, New Mexico

WELL RECORD

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

Company **Penn Oil Co.** Address **303 American Exch. Bldg., Dallas, Tex**

Send correspondence to **Above** Address

Penn- State Well No. **1** in **NW of NE** of Sec. **21**, T. **17 So.**,

R. **36 E**, N. M. P. M., **Hobbs** 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 Address

If not state or patented land, give status

Drilling commenced **September** 19 **29** Drilling was completed **March 1** 19 **30**

Name of drilling contractor **Penn Oil Co.** Address **Dallas, Texas**

Elevation above sea level at top of casing **3860** feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from to 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. 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 AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
12 1/2"	40	11		221'					
8 1/2"	34	10		3445					

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/2"	221	110	Halliburton		
8 1/2"	3445	400			

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 **top** feet to **3450** feet, and from feet to feet

Cable tools were used from **3450** feet to **5175** feet, and from feet to feet

PRODUCTION

Put to producing , 19

The production for the first 24 hours was 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.

EMPLOYEES

Jack Horner, Driller, Driller

Lee O'Banion, 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 **12th**

day of **March**, 19 **30**

William W. Tate
Notary Public

My commission expires **May 31-1933**

Name *GABlack*

Position **Lease Foreman**

Representing

Penn Oil Co. Company or Operator

FORMATION RECORD

From	to	Thickness in Feet	Formation
0	25		Caliche
25	30		Lime & flint, hard
30	95		Sand
95	220		Sand & gravel 221' 12½ casing
220	255		Red Bed
255	325		Red bed and sand
325	350		Sand
350	395		Sand & red bed
395	445		Red sandy shale
445	615		" " " streaks of green shale
615	1615		Sand
1615	1630		Shale
1630	1640		Hard sand
1640	1690		Sand
1690	1710		Sandy shale
1710	1755		Sand and shale
1755	1790		Sandy lime
1790	1830		Broken lime
1830	1845		Sand
1845	1935		Broken lime
1935	1950		Sticky shale & lime shells
1950	1965		Shale & sand
1965	1995		Shale & shells
1995	2030		Sandy shale, hard
2030	2035		Sand & shale
2035	2090		Anhydrite
2090	2150		" & lime, hard
2150	2170		Salt
2170	2190		Salt, anhydrite & red bed
2190	2360		Broken salt, anhydrite & red bed
2360	2540		Salt & anhydrite
2540	2700		Broken salt & anhydrite
2700	2890		Broken salt
2700	2890		Broken salt
2890	3060		Salt & anhydrite
3060	3115		Salt, anhydrite & shale
3115	3165		Broken salt
3165	3205		Anhydrite
3205	3345		Anhydrite & shale
3345	3365		Anhydrite
3365	3470		Soft sand
3470	3490		Anhydrite 3445' 8½ casing
3490	3520		Red bed
3520	3530		Anhydrite
3530	3700		Lime & anhydrite
3700	3720		Anhydrite
3720	4035		Lime & anhydrite
4035	4110		Anhydrite
4110	4160		Anhydrite, red rock & salt
4160	4310		" " " & shells
4310	4320		Anhydrite
4320	4350		Red sand
4350	4445		Anhydrite & dark sand
4445	4452		Anhydrite
4452	4509½		Brown lime
4509½	4525		Anhydrite
4525	4560		Anhydrite & gray lime
4560	4575		Anhydrite & lime
4575	4610		Gray lime
4610	4630		Gray lime & anhydrite
4630	4635		" " (show of oil)
4635	4650		Light brown lime & sand
4650	4675		Gray, brown & black sandy lime
4675	4695		Gray lime & anhydrite
4695	4710		Sandy lime & anhydrite (Oil show)
4710	4795		Sandy lime
4795	4815		anhydrite
4815	4825		Broken lime & anhydrite
4825	4835		Lime & anhydrite
4835	4840		Lime & anhydrite
4840	4865		Gray lime
4865	4885		White lime & broken anhydrite
4885	4900		Hard gray lime
4900	4935		Graylime
4935	4945		Hard lime
4945	4960		Hard gray lime
4960	4975		" " "
4975	5175		" " "
			Hard gray lime