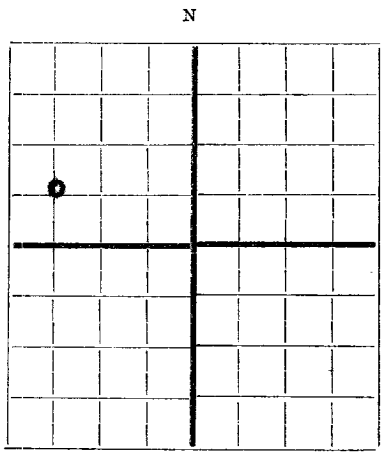
FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
MAR 5 1948
HOBBS OFFICE

WELL RECORD

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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

N. G. Penrose, Inc., Company or Operator — Ft. Worth, Texas. Address

Walden Lease — Well No. 4 in SW¼ NW¼ of Sec. 15, T. 22S

R. 37E, N. M. P. M., Brunson Field, Lea County.

Well is 1830 feet south of the North line and 4620 feet west of the East line of Sec. 15

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

If patented land the owner is E. W. Walden, Address .....

If Government land the permittee is ....., Address .....

The Lessee is ....., Address .....

Drilling commenced December 30 19 47 Drilling was completed February 22 1948

Name of drilling contractor Makin Drilling Co., Address Hobbs, New Mexico

Elevation above sea level at top of casing 3408 feet. D.F.

The information given is to be kept confidential until ..... 19 .....

OIL SANDS OR ZONES

No. 1, from 6420 to 6470 No. 4, from 7767 to 7795

No. 2, from 6470 to 6520 No. 5, from ..... to .....

No. 3, from 7325 to 7385 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 ..... to ..... 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	PERFORATED TO	PURPOSE
13-3/8	32.4	8	(Spiral)	154	T.P.				
8-5/8	32#	8	Spang	2837	Float				
5-1/2	17#	8	Spang	7536	Float				
	15½#								

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17-½	13-3/8	169'	163	Plug	9.0	
11"	8-5/8	2851'	1500	Plug	9.2	
7-7/8	5½"	7548'	471	Plug	9.3	

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth Set .....

Adapters—Material ..... Size .....

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment No shot, or acid treatment

RECORD OF DRILL-STEM AND SPECIAL TESTS (See reverse side)

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 7819' feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing February 28, 1948

The production of the first 24 hours was Rate of 1320 barrels of fluid per day of which 100 % was oil; ..... %

emulsion; ..... % water; and ..... % sediment. Gravity, Be. 43

If gas well, cu. ft. per 24 hours 1,180,760 Gallons gasoline per 1,000 cu. ft. of gas .....

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

EMPLOYEES

Frank Hall, Driller Bob Webster, Driller

Wayne Ballew, Driller Ross Crain, 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 4th day of March, 1948

E. W. Thompson
Notary Public

My Commission expires 10/24/49

Hobbs, New Mexico (Place) March 3, 1948 (Date)

Name Charles P. Miller

Position Agent

Representing N. G. Penrose, Inc. (Company or Operator)

Address Ft. Worth, Texas.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	176	176	Surface sands and shale
176	735	559	Red beds
735	1063	328	Red beds, shells, sand
1063	1235	172	Anhydrite
1235	1455	220	Anhydrite and salt
1455	1736	281	Anhydrite and lime
1736	1800	64	Salt and anhydrite
1800	1935	135	Anhydrite and potash
1935	2425	490	Anhydrite and salt
2425	2504	79	Anhydrite with streaks salt & potash
2504	2688	184	Anhydrite and gypsum
2688	3029	341	Anhydrite
3029	3307	278	Anhydrite and lime
3307	3367	60	Anhydrite
3367	3485	118	Anhydrite and lime
3485	3491	6	Lime
3491	3522	31	Sand
3522	3556	34	Sandy lime
3556	3735	179	Anhydrite and lime
3735	6832	3097	Lime
6832	6885	53	Lime and shale
6885	7338	453	Lime
7338	7432	94	Lime and sand
7432	7460	28	Lime-Sand-Shale
7460	7483	23	Sand and lime
7483	7511	28	Shale and streaks of sand
7511	7554	43	Shale
7554	7632	78	Shale and sand
7632	7659	27	Sand-Shale-Chert
7659	7813	154	Lime
7813	7819	6	Sand and lime.

T.D. 7819'

DRILL STEM TESTS

6420-6470 Tool open 3 hours. Gas to surface 10 minutes, gauged 20,000 cu. ft. per day. Recovered 540' heavily oil & gas cut mud. Bottom hole flowing pressure 100#. 15 minute bottom hole build up pressure 950#

6470-6520 Tool open 3 hours. Gas to surface 25 minutes; estimated 10,000 cu. ft. per day. Recovered 900' heavily oil & gas cut mud. Bottom hole flowing pressure 350#. 15 minute bottom hole build up pressure 1900#.

7325-7385 Tool open 2 hours 15 minutes. Gas to surface 3½ minutes. Gas gauged 210,870 cu. ft. per day. Mud to surface 10 minutes; oil to surface 13 minutes. Flowed well in pits for 17 minutes then turned into tanks. First hour flowed 42 barrels oil; second hour flowed 49 barrels oil. Gravity of oil 43 degrees at 55 degrees Fahrenheit. Bottom hole flowing pressure increased from 1300# to 1475#. 15 minute bottom hole shut in pressure 2300#.

7385-7432 Tool open 2½ hours. No gas. Recovered 990' salty drilling mud plus 4500' salt water. Bottom hole flowing pressure increased from 500# to 2350# during test. 15 minute bottom hole shut in pressure 2375#

7647-7707 Tool open 70 minutes. Very small blow air when tool first opened, decreased immediately to nothing. Recovered 100' drilling mud. No flowing, or bottom hole build up pressure.

7745-7765 Tool open 70 minutes. Very few air bubbles in water bucket when tool first opened. Recovered 850' drilling mud. Bomb chart showed by-pass on tool had opened momentarily while going in hole. Chart showed tool had opened after seating on bottom, therefore formation did not give up any fluid.

7741-7819 Tool open 2½ hours. Gas to surface in 4 minutes. Mud to surface in 11 minutes. Oil to surface in 12 minutes. Gas gauged 1,180,760 cu. ft. per day. After flowing well in pits to clean up, oil was turned to tanks and gauged 52.2 barrels oil first hour and 63.25 barrels oil second hour. Gravity 43. Bottom hole flowing pressure 2200#. 20 minute bottom hole build up pressure 2400#.