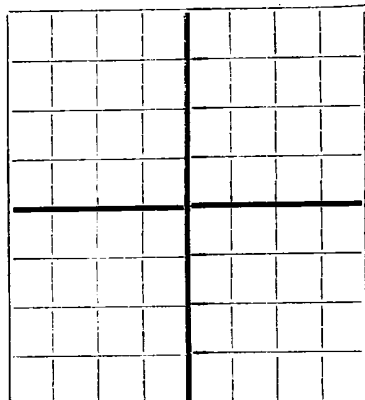
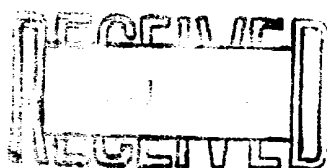


FORM C-105

N

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES  
LOCATE WELL CORRECTLY

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

Shell Oil Company, Inc. Box 1457, Hobbs, New Mexico  
Company or Operator Address  
Thomas Long Well No. 3 in NE/4 SW/4 of Sec. 11, T. 22 S.  
Lease  
R. 37 E, N. M. P. M., Paddeek Field, Lea County.  
Well is 3300 feet south of the North line and 3300 feet west of the East line of Section 11.  
If State land the oil and gas lease is No. Assignment No.  
If patented land the owner is Thomas Long, Address Dunice, New Mexico  
If Government land the permittee is, Address  
The Lessee is Shell Oil Company, Inc., Address Box 2099, Houston, Texas  
Drilling commenced 10-27-46 19 Drilling was completed 12-7-46 19  
Name of drilling contractor Drilling & Exploration Company, Inc., Address Hobbs, New Mexico  
Elevation above sea level at top of casing 3343 feet.  
The information given is to be kept confidential until Not Confidential 19.

## OIL SANDS OR ZONES

No. 1, from 5055 to 5090 No. 4, from to  
No. 2, from 5103 to 5121 No. 5, from to  
No. 3, from 5139 to Not penetrated 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		PURPOSE
							FROM	TO	
13 3/8	48#	8	Haylor	256	Texas Pattern				Protective
8 5/8	32#	8	J & L	2855	Floot				Protective
5 1/2	15.5#	8	Natl	5160	Floot		5060	5078	Oil String
							5098	5116	

## 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 1/2	13 3/8	256	250	Pump & Plug	Water	
11	8 5/8	2855	913	" "	Water	
7 3/8	5 1/2	5160	500	" "	10	

## 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
		20% mud acid	500 gal.	12-8-46	5098-5116	
		20% mud acid	500 gal.	12-11-46	5060-5078 & 5098-5116	

Results of shooting or chemical treatment. Not tested natural. After first acid treatment flowed 76 barrels fluid cut 10% B.S. & W. through 16/64-inch choke in 7 hours. After second acid treatment flowed 243 barrels fluid in 24 hours cut 3% B.S. & W. through 40/64-inch choke.

## 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 5161 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

## PRODUCTION

Put to producing 12-12-46, 19  
The production of the first 24 hours was 243 barrels of fluid of which 97% was oil; 1% emulsion; 2% water; and % sediment. Gravity, Be. 37.2°  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

## EMPLOYEES

Frank Williams, Driller J. L. Ferguson, Driller  
George C. McDaniel, 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 13 th Hobbs, New Mexico 12-13-46  
day of December 1946 Name  
Notary Public Position District Superintendent  
Representing Shell Oil Company, Inc.  
My Commission expires September 16, 1950 Address Box 1457, Hobbs, New Mexico

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1130	1130	Sands and Shale
1130	1230	100	Anhydrite
1230	2430	1200	Salt
2430	2530	100	Anhydrite, Shale and Sand
2530	3800	1270	Anhydrite, Shale and Lime
3800	5055	1255	Lime
5055	5161	106	Intervals of Porous Lime
	5161 T.D.		

Attachment to C-105  
Shell Oil Company, Inc.  
Thomas Long No. 3  
Paddock District

DRILL STEM TESTS

- DST No. 1 5055 to 5091. Tool open 3 hours. Gas to surface in 12 minutes; oil in one hour. Flowed 18 barrels oil by heads in 1 1/2 hours through 1 1/4-inch surface choke cut 1 2/10<sup>th</sup> B.S. Recovered 1596 feet (11.8 bbls) 36.9° gravity oil.
- DST No. 2. 5099 to 5123. Tool open 2 hours. Gas to surface in 19 minutes. Recovered 290 feet (2.15 bbls) 38.5° gravity oil and 210 feet (1.55 bbls) oil and gas cut mud.
- DST No. 3. 513<sup>4</sup> to 5161. Tool open 1 hour. Excellent blow diminishing to fair blow in one hour. Recovered 300 feet (1.8 bbls) mud cut oil.