

N.

#23

Section 5

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

1956 SEP 5 AM 10:10

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Skelly Oil Company

Mexico "L"

(Company or Operator)

(Lease)

Well No. 23, in NE 1/4 of NE 1/4, of Sec. 5, T. 25S, R. 38E, NMPM.

Dollarhide Fusselman

Pool, Lea

County.

Well is 667' feet from North line and 500' feet from East line

of Section 5. If State Land the Oil and Gas Lease No. is B-9312

Drilling Commenced June 30, 1956 Drilling was Completed August 23, 1956

Name of Drilling Contractor J.C. Crain

Address Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 3167' D.F. The information given is to be kept confidential until Not Confidential, 19

OIL SANDS OR ZONES

No. 1, from 8598-8660' to 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 to feet.  
No. 2, from to feet.  
No. 3, from to feet.  
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	32 & 24#	New	3150'	Float			Surface
5-1/2"	17 & 15#	New	8680'	Float		8598-8660'	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8-5/8"	3150'	2000	Halliburton		
7-7/8"	5-1/2"	8680'	805	Ditto		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidised casing perforations 8598-8660' with 500 gallons and reacidized with 3000 gallons.

Result of Production Stimulation Swabbed 91 bbls. oil in 11 hours.

Depth Cleaned Out

# CORD OF DRILL-STEM AND SPECIAL TL

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 8680' feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Put to Producing August 31, 19 56

OIL WELL: The production during the first 24 hours was 199 barrels of liquid of which 100 % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 39.0

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy. 1147'	T. Devonian 7520'	T. Ojo Alamo.	
T. Salt. 1230	T. Silurian 7734	T. Kirtland-Fruitland	
B. Salt. 2481	T. Montoya.	T. Farmington.	
T. Yates. 2635	T. Simpson.	T. Pictured Cliffs.	
T. 7 Rivers.	T. McKee.	T. Menefee.	
T. Queen. 3590	T. Ellenburger.	T. Point Lookout.	
T. Grayburg. 3775	T. Gr. Wash.	T. Mancos.	
T. San Andres. 3992	T. Granite.	T. Dakota.	
T. Glorieta. 5118	T. Fuss 8502	T. Morrison.	
T. Drinkard. 6325	T.	T. Penn.	
T. Tubbs. 6990	T.	T.	
T. Abn. 6531	T.	T.	
Woodford 7472	T.	T.	
T. Miss.	T.	T.	

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	1147'	1147'	Red Bed & Anhy.				
1147	1230	83	Anhy.				
1230	2481	1251	Anhy. & Salt				
2481	2635	154	Anhy. & Gyp				
2635	3590	955	Anhy.				
3590	3775	185	Anhy. & Lime				
3775	3992	217	Lime				
3992	5118	1126	Lime & Shale				
5118	6325	1207	Lime, Sand, & Shale				
6325	6531	206	Lime & Sand				
6531	6990	459	Lime & Sand				
6990	7472	482	Lime				
7472	7520	48	Lime				
7520	7734	214	Lime				
7734	8502	768	Lime				
8502	8680	178	Lime - T.D.				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

Company or Operator Skelly Oil Company Address Hobbs, New Mexico Box 38  
Name J.N. Dunlavy Position or Title Dist. Supt. September 4, 1956 (Date)

DRILL STEM TESTS

MEXICO "L" WELL NO. 23

DRILL STEM TEST NO. 1 - 4230-4350':

5/8" BHC, 1" THC. Tool open 2 hours with weak blow of air for 1 hour and died. Pulled 3-1/2"OD Drill Pipe and recovered 45' of drilling water. No show of formation water, gas or oil. H.P. in and out 2100#. F.P. zero. Twenty minute buildup zero.

DRILL STEM TEST NO. 2 - 7524-7590':

5/8" BHC, 1" THC. Tool open 4 hours with fair blow of air that continued as fair blow. Gas to surface in 3 hours and 45 minutes, and continued as light blow during remainder of test. Pulled 3-1/2"OD drill pipe and recovered 120' of SO&GCM. No show of water. H.P. in 3665#, out 3555#. IFF 145#, FFP 145#, 20 minute buildup 545#.

DRILL STEM TEST NO. 3 - 7590-7675':

5/8" BHC, 1" THC. Tool open 4 hours with weak blow of air that continued as weak blow throughout test. Pulled 3-1/2"OD drill pipe and recovered 30' of drilling mud with trace of oil. No show of gas or water. H.P. in 3655#, out 3638#. IFF 0, FFP 0. Twenty minute buildup 75#.

DRILL STEM TEST NO. 4 - 7675-7755':

5/8" BHC, 1" THC. Tool open 4 hours and 15 minutes with fair blow of air that continued as fair blow for 1 hour and 18 minutes. Gas to surface in 1 hour and 18 minutes, and continued as fair blow during remainder of test. Pulled 3-1/2"OD drill pipe and recovered 510' of gas-cut mud with trace of oil and 30' of O&GCM est. 50% oil. No show of water. H.P. in 3720#, out 3700#, IFF 55#, FFP 195#, 20 minute buildup 610#.

DRILL STEM TEST NO. 5 - 8549-8680':

5/8" BHC, 1" THC, tool open 4 hours with fair blow of air. Gas to surface in 1 hour and 50 minutes and continued as fair blow throughout test. Pulled 3-1/2"OD drill pipe and recovered 4400' of free oil and 370' of gas and mud-cut oil est. 60% oil. H.P. in and out 4345#. IFF 1370#. FFP 1740#, 20 minute buildup 1830#. No show of water on top of tool.

