


AREA 640 ACRES  
LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AUG 11 PM 3:39  
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.

Well No. 23, in 1/4 of 1/4 of Sec. 32, T. 24N, R. 38E, NMPM.  
Well is 660 feet from South line and 1830 feet from East line  
of Section 32. If State Land the Oil and Gas Lease No. is 2177.  
Drilling Commenced May 10, 19 55 Drilling was Completed July 16, 19 55  
Name of Drilling Contractor J.C. Grain Drilling Company  
Address Hobbs, New Mexico  
Elevation above sea level at Top of Tubing Head 3169' D.F. The information given is to be kept confidential until  
not confidential, 19     

## OIL SANDS OR ZONES

No. 1, from 8588' to 8664' 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" OD	32	New	3172'	Float			Surface
5-1/2" OD	17 1/2	New	8742'	Float		8588-8664'	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"	8680'	910	Halliburton		

## RECORD OF PRODUCTION AND STIMULATION

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

Acidized perforations 8588-8664' with 10,500 gallons oxall's -30 cid.  
Result of Production Stimulation Well tested 158 bbls. oil in 24 hours thru open 2" tubing.  
Depth Cleaned Out

BOARD 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 6640 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing August 4, 1955

OIL WELL: The production during the first 24 hours was 158 barrels of liquid of which 100% was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 41.3

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. 1159'	T. Devonian 7486'	T. Ojo Alamo
T. Salt 1251'	T. Silurian 7650'	T. Kirtland-Fruitland
B. Salt 2488'	T. Montoya	T. Farmington
T. Yates 2643'	T. Simpson	T. Pictured Cliffs
T. 7 Rivers 2892'	T. McKee	T. Menefee
T. Queen 3134'	T. Ellenburger	T. Point Lookout
T. Grayburg 3759'	T. Gr. Wash	T. Mancos
T. San Andres 3976'	T. Granite	T. Dakota
T. Glorieta 5099'	T. Usselman 6481'	T. Morrison
T. Drinkard 6306'	T.	T. Penn
T. Tubbs 5970'	T.	T.
T. Abo 6504'	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	1150'	1150'	Red Sea				
1150'	1251'	101'	Anhydrite				
1251'	2488'	1273'	Anhydrite salt				
2488'	2892'	402'	Anhydrite				
2892'	2980'	88'	Anhydrite syp				
2980'	3134'	154'	Anhydrite				
3134'	5104'	1970'	Lime				
5104'	6436'	1332'	Lime & shale				
6436'	7492'	1056'	Lime				
7492'	8402'	910'	Lime, sand, & shale				
8402'	8680'	278'	Lime				

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.

August 17, 1955 (Date)  
Company or Operator Kelly Oil Company Address Box 26 - Hobbs, New Mexico  
Name J. J. Jenkins Position or Title Dist. Mgr.

DRILL STEM TESTS FOR MEXICO "J" WELL NO.23

DRILL STEM TEST NO.1 - 7496-7528'

5/8" BHC, 1" THC. Tool open 3 hours with good blow of air. Light blow of gas to surface in 10 minutes. Continued for 30 minutes as light blow and declined to weak blow and continued as very weak blow for remainder of test. Pulled 3½"OD drill pipe and recovered 380' of O&GCM. Estimated 20% oil, no show of water. H.P. in & out 3350#. IFP 165#.FFP 165#. 15 minute build up 500#.

DRILL STEM TEST NO. 2- 7528-7628'

5/8" BHC, 1" THC. Tool open 3 hours with good blow of air which declined to light blow in 10 minutes and continued as light blow. Gas to surface in 1 hour and 20 mins. Continued as light blow throughout remainder of test. No fluid to surface. Pulled 3½"OD drill pipe and recovered 150' of slightly O&GCM, estimated 4% oil. No water. H.P. in and out 3475#.IFP 200#, FFP 200#. 30 minute build up 1025#.

DRILL STEM TEST NO. 3 - 8587-8680'

5/8" BHC, 1" THC. Tool open 4 hours with fair blow of air that continued as fair blow. Fair blow of gas to surface in 2 hours and 15 minutes, that gradually weakened due to fill up in drill pipe. No fluid to surface. Pulled 3½"OD drill pipe and recovered 810' of free oil and 540' of O&GCM. Estimated 50% oil. No show of water. H.P. in 4150#. Out 4100#. FP 0-525#. 20 minute build up 2600#. No show of water on top of tool.