

**Santa Fe, New Mexico**

## WELL RECORD

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**Skelly Oil Company**

State "00"

(Lease)

Well No. 23, in SE  $\frac{1}{4}$  of SE  $\frac{1}{4}$ , of Sec. 31, T. 16S, R. 37E, NMPM.

Lovington Abc Pool, Lea County

Well is 990 feet from South line and 990 feet from East line.

of Section 31 If State Land the Oil and Gas Lease No. is E-7896

Drilling Commenced Sept. 21, 1954 Drilling was Completed Nov. 6, 1954

Name of Drilling Contractor Malin Drilling Company

Address.....Hobbs, New Mexico.....

Elevation above sea level at Top of Tubing Head 3823' DF..... The information given is to be kept confidential until  
**Not confidential** ..... 19.....

No. 1, from 8310' to 8420' No. 4, from.....to.....

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from.....to..... No. 6, from.....to.....

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. ....

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	32 & 24#	New	3148'	Float			Surface
5-1/2"	17#	"	8428'	"		8310-8420'	Production

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8-5/8"	3162'	1575'	Halliburton		
7-7/8"	5-1/2"	8440'	875	"		

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

Acidised thru 5-1/2" OD casing perforations 8310-8420' with 3500 Gals. in 2 stages.

Result of Production Stimulation. After acid well flowed 453.77 Bbbls. oil in 24 hours thru open 2" tubing and 30/64" choke, GOR 1270/1.

## ..Depth Cleaned Out.

# RD OF DRILL-STEM AND SPECIAL TF

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 8440 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Put to Producing Nov. 8, 1954  
OIL WELL: The production during the first 24 hours was 453.77 barrels of liquid of which 100% was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 40/4 Deg.  
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.	2000'	T. Devonian.	T. Ojo Alamo.
T. Salt.	2148'	T. Silurian.	T. Kirtland-Fruitland.
B. Salt.	2946'	T. Montoya.	T. Farmington.
T. Yates.	3070'	T. Simpson.	T. Pictured Cliffs.
T. 7 Rivers.		T. McKee.	T. Menefee.
T. Queen.		T. Ellenburger.	T. Point Lookout.
T. Grayburg.		T. Gr. Wash.	T. Mancos.
T. San Andres.	4625'	T. Granite.	T. Dakota.
T. Glorieta.	5995'	T.	T. Morrison.
T. Drinkard.		T.	T. Penn.
T. Tubbs.	7520'	T.	T.
T. Abo.	8124'	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'	2000'	2000'	Red bed, sand & caliche				
2000	2148	148	Anhydrite				
2148	2946	798	Anhydrite & salt				
2946	4650	1704	Lime & sand				
4650	7600	2950	Lime				
7600	8440	840	Lime & shale				
D.S.T. 8273-8440'							
Took open 8 hours and 40 Mins. with fair blow of air that increased to good blow after 1 hour and 30 minutes. Gas to surface in 1 hour and 37 minutes, water blanket and mud to surface in 4 hours and 40 minutes, oil in 5 hours and 25 minutes, oil to tanks in 5 hours and 30 minutes. First hour flowed 2.71 Bbls. cut 10% water blanket, next hour flowed 29.98 Bbls. cut 4% water blanket, next 30 minutes flowed 8.12 Bbls. oil cut 4% water blanket and died. Left tool open for another 40-Min. and did not flow. Closed tool and took 20-Min. buildup. Reversed 70.36 Bbls. clean oil and 10 Bbls. OGGM est. 20% oil out of 4 1/2" drill pipe. H.P. in and out 4435#, F.P. 835-2305#, 20-Min. buildup 2815#.							

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.

November 15, 1954

(Date)

Company or Operator Shelly Oil Company

Address Box 38 - Hobbs, New Mexico

Name J. J. [Signature]

Position or Title Dist. Supt.