

#5									

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Skelly Oil Company

(Company or Operator)

Hobbs "A"

(Lease)

Well No. 5, in NW 1/4 of NW 1/4, of Sec. 30, T. 25S, R. 38E, NMPM.

Undesignated

Pool,

Lea

County.

Well is 330' feet from North line and 330 feet from West line

of Section 30. If State Land the Oil and Gas Lease No. is B-9521

Drilling Commenced March 27, 1959 Drilling was Completed May 18, 1959

Name of Drilling Contractor Warren-Bradshaw Exploration Co.

Address Tulsa, Oklahoma

Elevation above sea level at Top of Tubing Head 3085' DF

The information given is to be kept confidential until Not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 5109' to 5565' No. 4, from 7852' to 7703'  
No. 2, from 5858' to 5881' No. 5, from 8110' to 8195'  
No. 3, from 6809' to 6822' 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
13-3/8"	44.7#	New	322'	Float	—	None	Surface
9-5/8"	36#	New	3138'	Float	—	None	Intermediate
7"	23 & 26#	New	8197'	Float	—	7658-7703' 8160-8195'	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2"	13-3/8"	337'	300	Halliburton	—	—
12-1/4"	9-5/8"	3150'	1400	"	—	—
8-3/4"	7"	8208'	700	"	—	—

RECORD OF PRODUCTION AND STIMULATION

Well #5 Dual Completion

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

McKee Formation - Fractured through perforations 7658-7678' & 7694-7703' with 11,000 gals. oil and 10,000# sand by Dowell, Inc.

Ellenberger Formation - Well completed without stimulation through perforations 8160-8172' and 8177-8195'.

Result of Production Stimulation. McKee Formation - Well flowed 128 bbls. new oil and 10 bbls. salt water in 24 hrs. through 2 1/2" choke, T.P. 100#, Corrected gravity 37.1°. Well put to producing May 26, 1959. (Ellenberger Formation - Over). Depth Cleaned Out.

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 8208 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

Ellenburger Formation

PRODUCTION

Put to Producing May 22, 1959  
XX 509  
OIL WELL: The production during the first 24 hours was 99.9 barrels of liquid of which 1 of 1% was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 43.00  
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.	878'		T. Devonian		T. Ojo Alamo
T. Salt	1013'		T. Silurian		T. Kirtland-Fruitland
B. Salt	2214'		T. Montoya	6804'	T. Farmington
T. Yates	2348'		T. Simpson	7140'	T. Pictured Cliffs
T. 7 Rivers	2638'		T. McKee	7495'	T. Menefee
T. Queen	3096'		T. Ellenburger	8108'	T. Point Lookout
T. Grayburg	3396'		T. Gr. Wash		T. Mancos
T. San Andres	3648'		T. Granite		T. Dakota
T. Glorieta	4733'		T.		T. Morrison
T. Drinkard	6005'		T.		T. Penn.
T. Tubbs	5793'		T.		T.
T. Abo			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	878	878'	Sand & redbeds				
878	1013	135'	Anhydrite				
1013	2214	1201'	Salt				
2214	2348	134'	Anhydrite				
2348	2638	290'	Sand & anhydrite				
2638	3096	458'	Dolomite, anhydrite & sand				
3096	3396	300'	Sand & anhydrite				
3396	3648	252'	Dolomite & sand				
3648	4733	1085'	Dolomite				
4733	5793	1060'	Sand & dolomite				
5793	6005	212'	Sand				
6005	6804	799'	Lime				
6804	7140	366'	Dolomite				
7140	7495	355'	Sand & shale				
7495	8108	613'	Sand				
8108	8208	100'	Dolomite				

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.

May 28, 1959 (Date)  
Company or Operator Skelly Oil Company Address Box 38 - Hobbs, N. M.  
Name Position or Title Dist. Supt.

HOEBS "A" WELL NO. 5 - DRILL STEM TESTS

D.S.T. No. 1 - 4776-4865':

5/8" BHC, 1" THC. Tool open 3 hrs. with fair blow of air for 10 mins. then declined to weak blow and continued as weak blow during remainder of test. pulled 4-1/2" OD drill pipe and recovered 120' of drilling fluid with small show of gas, no show of oil or formation water. H.P. in and out 2180#, IFP 68#, FFP, 15-min. buildup 133#

D.S.T. No. 2 - 5180-5350':

5/8" BHC, 1" THC. Tool open 3 hrs. with good blow of air. Gas to surface in 1 hour and 55 mins., continued as fair blow during remainder of test. Pulled 4-1/2" OD drill pipe and recovered 5' of clean oil, 87' of oil cut mud est. 5% oil and 179' of mud. H.P. in and out 2640#, IFP 300#, FFP 360#, Initial 20-min. shutin pressure 800#, final 20-min. shutin pressure 460#.

D.S.T. No. 3 - 5350-5485':

5/8" BHC, 1" THC. Tool open 3 hrs. and 20 mins. with good blow of air. Gas to surface in 7 mins. continued as good blow. Oil to surface in 2 hrs. and 15 mins., oil to tank in 2 hrs. and 20 mins. Flowed 27 bbls. oil in 1 hr. Reversed out 15 bbls. oil. Pulled 4-1/2" OD drill pipe and recovered 60' of oil on top of tool below circulating sub. H.P. in and out 2620#, IFP 360#, FFP 720#. Initial 15-min. buildup 2380#, final 15-min. buildup 1980#. Gas tested 226 MCFPD. Corrected gravity of oil 40.0°. No show of water.

D.S.T. No. 4 - 5853-5960':

5/8" BHC, 1" THC. Tool open 3-1/2 hrs. with good blow of air. Gas to surface in 10 mins. continued as fair blow throughout remainder of test. (Gas was sour). Pulled 4-1/2" OD drill pipe and recovered 900' of clean oil, 360' of O&GCM est. 5% oil and 60' of clean oil below mud, no show of water. H.P. in and out 2950#, 15-min. initial shutin pressure 2620#, 15-min. final shutin pressure 1600#. IFP 120#, FFP 340#.

D.S.T. No. 5 - 6802-7000':

5/8" BHC, 1" THC. Tool open 4 hrs. with good blow of air. Gas to surface in 10 mins. continued as good blow throughout test at the rate of 257 MCFPD. Pulled 4-1/2" OD drill pipe and recovered 300' of oil and gas-cut mud est. 10% oil and 720' of salty sulphur water. H.P. in and out 3480#, 20-min. initial shutin pressure 2960#, 20-min. final shutin pressure 1840#. IFP 220#, FFP 440#.

D.S.T. No. 6 - 7000-7190':

5/8" BHC, 1" THC. Tool open open 3 hrs. with good blow of air. Good blow of gas to surface in 8 mins. and gradually declined to weak blow at end of test. Pulled 4-1/2" OD drill pipe and recovered 235' of gas-cut drilling mud and 270' of salty sulphur water, no show of oil. H.P. in and out 3500#. 15-min. initial shutin pressure 2540#, 15-min. final shutin pressure 860#. IFP 100# FFP 220#.

D.S.T. No. 7 - 7550-7700':

5/8" BHC, 1" THC. Tool open 3 hrs. with fair blow of air. Gas to surface in 30 mins. continued as fair blow throughout remainder of test. Pulled 4-1/2" OD drill pipe and recovered 230' of GCM, 450' O&GCM est. 10% oil and 60' of O&GCM est. 25% oil. No free oil, no show of water. 15-min. ISIP 2520#, 15-min. FSIP 1380#, IFP 220#, FFP 440#. H.P. in and out 3900#.

D.S.T. No. 8 - 8151-8208':

5/8" BHC, 1" THC. Tool open 3 hrs. with good blow of air. Gas to surface in 5 mins., mud in 18 mins., O&GCM in 20 mins., oil to tank in 23 mins. flowing as follows: First hour 37 bbls. oil, next hr. 43 bbls. oil, next 37 mins. 21 bbls. oil. Flowed a total of 101 bbls. oil in 2 hrs. & 37 mins. F.P. on DP behind 1" choke 150-200#. Shakeout 4/10 of 1% BS. Corrected gravity 43.5°. Gas tested at the rate of 745 MCFPD. Reversed 27 bbls. oil out of 4-1/2" OD drill pipe, no show of water. H.P. in and out 4280#, 15 min. ISIP 3200#, 20-min. FSIP 3180#, IFP 1520#, FFP 1900#.