

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE D.O.C.
Santa Fe, New Mexico
Jul 16 2 23 PM '84

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

Signal Oil and Gas Company (Company or Operator) State (Lease)

Well No. 30-1, in SE 1/4 of NE 1/4, of Sec. 30, T-8-S, R-33-E, NMPM.
Tobas (Penn.) Pool, Cheves County.

Well is 1980 feet from North line and 640 feet from East line
of Section 30. If State Land the Oil and Gas Lease No. is 2-8253

Drilling Commenced May 22, 1964 Drilling was Completed June 24, 1964

Name of Drilling Contractor Conroy Drilling, Inc.
Address P. O. Box 1701, Midland, Texas

Elevation above sea level at Top of Tubing Head 4103' The information given is to be kept confidential until Not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 9054' to 9078' 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
13-3/8"	54	New	404	Torque Pts. None	None	None	Surface
8-5/8"	24 1/2 & 32	New	3595	Torque Pts. None	None	None	Intermediate
5-1/2"	15.5 & 17 1/2	New	9146	Guide	None	9067'-9075'	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2"	13-3/8"	404'	300	Pump & Plug		
11"	8-5/8"	3595'	500	Pump & Plug		
7-7/8"	5-1/2"	9146'	300	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 9067'-9075'
Acidized with 500 gallons

Result of Production Stimulation Initial Potential: 1302 Barrels Gross - 110 Barrels net oil.
Hydraulic Subsurface Pump
Depth Cleaned Out 9104'

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 9146 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing 7-9-64, 19

OIL WELL: The production during the first 24 hours was 1239 barrels of liquid of which 2% was oil; % was emulsion; 98% water; and % was sediment. A.P.I. Gravity 48.8 at 94° F

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. 1823' (+2592')	T. Devonian	T. Ojo Alamo	
T. Salt	T. Silurian	T. Kirtland-Fruitland	
B. Salt	T. Montoya	T. Farmington	
T. Yates 2360' (+2054')	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 3557' (+857')	T. Granite	T. Dakota	
T. Glorieta 4975' (-561')	T.	T. Morrison	
T. Drinkard	T.	T. Penn.	
T. Tubbs 6454' (-2042')	T.	T.	
T. Abo 7302' (-2888')	T.	T.	
T. Penn.	T.	T.	
T. Miss.	T.	T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Surface	340	340	Surface Clay and Shells	7604	7810	206	Shale
340	360	20	Red Beds	7810	7962	152	Dolomite & Shale
360	405	45	Surface	7962	8047	85	Dolomite
405	1172	767	Shale	8047	8206	159	Lime
1172	1756	584	Shale, Red Beds & Anhy.	8206	8497	291	Chert & Lime
1756	2254	498	Red Beds & Anhydrite	8497	8518	21	Lime
2254	2609	355	Shale, Red Beds & Anhy.	8518	8566	48	Lime & Chert
2609	2888	279	Anhydrite and salt	8566	9140	574	Lime
2888	3224	336	Shale and Anhydrite				
3224	3358	134	Anhydrite				
3358	3590	232	Shale & Anhydrite				
3590	3595	5	Anhydrite, Dolomite & Shale				
3595	3984	389	Anhydrite & Shale				
3984	4408	424	Anhydrite & Lime				
4408	4751	343	Lime				
4751	4965	214	Anhydrite & Lime				
4965	5078	113	Lime				
5078	5457	379	Lime & Anhydrite				
5457	6048	591	Lime				
6048	6532	484	Lime & Dolomite				
6532	6604	72	Dolomite				
6604	7393	789	Lime & Dolomite				
7393	7535	142	Shale				
7535	7604	69	Shale & 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.

July 15, 1964

Company or Operator Signal Oil and Gas Company
Name D. J. Delany (D. J. Delany)

Address 509 W. Texas Ave., Midland, Texas
Position or Title Production Engineer

DRILLSTEM TEST
SIGNAL STATE 30-1
TOBAC (PENN.) FIELD
CHAVES COUNTY, NEW MEXICO

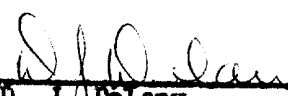
DRILLSTEM TEST NO. 1: 9060'-9082' K.B.

Ran Cook Tester on dry $4\frac{1}{2}$ " drill pipe. Set packer at 9060' with tailpiece at 9082'. Opened tool at 10:08 A.M., 6-24-64, with strong blow. Gas to surface in 5 minutes at 30 MCF/D rate. Fluid in 55 minutes. Flowed to pits for one hour. Flowed in heads, estimated 75% water and 25% oil. Turned to separator for one hour. No fluid flow. Tool open total of 4 hours. Recovered 7,000' of fluid in drill pipe. (1,050' of oil and emulsion; 5,950' of salt water, 85% cut). Water chlorides 58,000 ppm; mud filtrate chlorides 90,000 ppm.

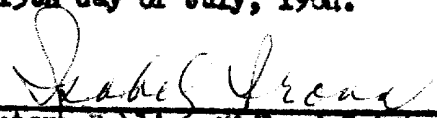
Bottom-Hole Pressure Chart Recorded:

Initial Hydrostatic -	4932#
30 Minute ISIP	3038#
IFP	1549#
FFP	3038#
1 hour PSIP	3038#
Final Hydrostatic	4657#

I certify that to the best of my knowledge, the above data is true and complete.


D. J. Delany
Production Engineer
Signal Oil and Gas Company
509 West Texas Avenue
Midland, Texas

Sworn and subscribed to before me this 15th day of July, 1964.


Isabel Irons
Notary Public, Midland County,
Texas.

ISABEL IRONS
Notary Public, Midland County, Texas

THE
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WATER RESOURCES DIVISION

REPORT OF THE
WATER RESOURCES DIVISION
ON THE
WATER RESOURCES OF THE
UNITED STATES
FOR THE YEAR
1964

WATER RESOURCES DIVISION

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