



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
Standard Oil Company of Texas,
A Division of California Oil Company
(Company or Operator)

M. L. Higgins Unit 3
(Lease)

Well No. 1, in SW $\frac{1}{4}$ of SE $\frac{1}{4}$, of Sec. 12, T. 18 South, R. 35 East, NMPM.
Atocha (San Andres) Pool, Bohly County.

Well is 1821 feet from South line and 2310 feet from East line
of Section 12. If State Land the Oil and Gas Lease No. is Reheated

Drilling Commenced September 24, 19 63. Drilling was Completed October 3, 19 63

Name of Drilling Contractor Conroy - Phillips Drig. Co.

Address Fort Worth, Texas

Elevation above sea level at Top of Tubing Head 3895'. The information given is to be kept confidential until
Not Confidential, 19

OIL SANDS OR ZONES

No. 1, from 780 to 960 No. 4, from to
No. 2, from 960 to 1010 No. 5, from to
No. 3, from 1010 to 1800 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 Surface to 740 feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

RECEIVED

NOV 12 1963

D. C. C.
ARTESIA OFFICE

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
<u>7"</u>	<u>20</u>	<u>New</u>	<u>1107.53</u>	<u>Larkin-Guide</u>	<u>None</u>	<u>None</u>	<u>Protect Surface water</u>
<u>4-1/8"</u>	<u>9.9</u>	<u>New</u>	<u>1804.43</u>	<u>Larkin-Float</u>	<u>None</u>	<u>1698-1761</u>	<u>Oil String</u>
<u>2-3/8"</u>	<u>4.7</u>	<u>New</u>	<u>1797</u>	<u>--</u>	<u>None</u>	<u>1797</u>	<u>Production Tubing</u>

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>9-7/8"</u>	<u>7"</u>	<u>1107.53</u>	<u>900</u>	<u>Pump & Plug</u>	<u>Circulated Reheated</u>	<u>100 cu. cement</u>
<u>6-1/4"</u>	<u>4"</u>	<u>1804.43</u>	<u>300</u>	<u>Pump & Plug</u>	<u>Circulated Reheated</u>	<u>50 cu. cement</u>

RECORD OF PRODUCTION AND STIMULATION

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

Reheated 1/2" casing with loose oil. Spotted 100 gallons acid & perforated selected intervals 1698-1761' with seven jets. Fracture treated perforations with 17 1/2 barrels oil, 16,500 lbs sand and 1200 lbs glass beads. Recovered all loose oil on 11-3-63.

Result of Production Stimulation On potential test 11-3-63 to 11-6-63, well pumped 60 barrels oil, 80 barrels water in 24 hours. GOR - 1215. Gravity - 50° API.

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 Surface feet to T.D. (1800) feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to Producing November 5, 19 63 Date all load oil recovered.

OIL WELL: The production during the first 24 hours was 140 barrels of liquid of which 42.8 % was
was oil; _____ % was emulsion; 37 % water; and .2 % was sediment. A.P.I.
Gravity 39 degrees

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 None

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

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.	--	T. Devonian	T. Ojo Alamo
T. Salt	--	T. Silurian	T. Kirtland-Fruitland
B. Salt	--	T. Montoya	T. Farmington
T. Yates	--	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	--	T. McKee	T. Menefee
T. Queen	--	T. Ellenburger	T. Point Lookout
T. Grayburg	<u>780</u>	T. Gr. Wash	T. Mancos
T. San Andres	<u>1010</u>	T. Granite	T. Dakota
T. Glorieta		T.	T. Morrison
T. Drinkard		T.	T. Penn
T. Tubbs		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	160	160	Alluvium (sands & gravel)				
160	180	20	Red shale				
180	600	420	Limestone w/ thin shale streaks				
600	730	130	Red shale, anhydrite, and limestone				
730	770	40	Anhydrite, sand, & shale				
770	960	190	Lime and anhydrite				
960	1010	50	Bolomite & sand				
1010	1800	790	Bolomite & anhydrite				
LOG TOPS:							
Grayburg		780					
Premier		963					
San Andres		1010					
Slaughter ("S" zone)		1696					
T.D. 1800							

OIL CONSERVATION COMMISSION
ARTESIA DISTRICT OFFICE

Mr. Cecil R. Blevins 3-
B. DIVISION

FILE 1 -

BUREAU OF MINES 1

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.

Standard Oil Company of Texas, A
Company or Operator Division of California Oil Co. Address Drawer "A", Mesquite, Texas
Name G. G. Koenig Position or Title Lead Engineer
November 7, 1963 (Date)