

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$.

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.

Western Natural Gas Company
(Company or Operator)

Shipley.....
(Lease)

Well No. **5**, in **SE** 1/4 of **SW** 1/4, of Sec. **27**, T. **22-S**, R. **36-E**, NMPM.

South Eunice

Pool, Lea

..County.

Well is.....**1980**.....feet from.....**West**.....line and.....**660**.....feet from.....**South**.....line
of Section.....**27**..... If State Land the Oil and Gas Lease No. is.....**-**.....

Drilling Commenced 12-4-56, 19..... Drilling was Completed 12-16-56, 19.....

Name of Drilling Contractor.....**Bickerstaff & Tibbets Drilling Company**.....

Address Midland, Texas

Elevation above sea level at Top of Tubing Head.....**3492.43 G.L.**..... The information given is to be kept confidential until
.....**Not confidential**....., 19.....

OIL SANDS OR ZONES

No. 1, from **3869** to **3707** No. 4, from **3761** to **3767**

No. 2, from **3719** to **3732** No. 5, from _____ to _____

No. 3, from 3742 to 3755 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	24#	New	1417	Float	-	-	Surface
5 1/2	15.5#	New	3764	Float	-	See below	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	1430	500	Pump & plug	-	-
7 7/8	5 1/2	3774	500	Pump & plug	-	-

RECORD OF PRODUCTION AND STIMULATION

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

Fraced perfs 3869-3767 with 15,000 gallons petrogel and 10,000# 20/40 sand. Maximum treating pressure 3700#. Average injection rate 28 BPM.

Result of Production Stimulation.....~~Well kicked off and flowed 108 barrels of oil in 24 hours.~~

..... 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 3774 feet, and from _____ feet to _____ feet.

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

PRODUCTION

Put to Producing.....**1-1**....., 19**57**.

OIL WELL: The production during the first 24 hours was.....**108**.....barrels of liquid of which.....**100**.....% was
was oil;% was emulsion;% water; and.....% was sediment. A.P.I.
Gravity.....

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.....	1427	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	1516	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	3013	T. Montoya.....	T. Farmington.....
T. Yates.....	3184	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	3396	T. McKee.....	T. Menefee.....
T. Queen.....	3761	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....		T. Gr. Wash.....	T. Mancos.....
T. San Andres.....		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	50	50	Surface sand & caliche				
50	1427	1377	Red Beds				
1427	1516	89	Anhydrite w/shale strks				
1516	3013	1497	Salt w/anhy & shale strks				
3013	3184	171	Anhydrite & dolomite				
3184	3774	590	Dolomite & sand w/anhy & shale strks				

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.

Company or Operator.....**WESTERN NATURAL GAS COMPANY**
 Name.....**John S. Thomas**
 Address.....**823 Midland Tower, Midland, Texas**
 Position or Title.....**Office Manager**
 Date.....**January 8, 1957**