

**Santa Fe, New Mexico SEP - 1 1961**

Q L E C

**ATTACHED, OFFICIAL**

## WELL RECORD

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  $y = \sin^{-1} x$ .

## Castle and Wigzell

### Delhi - State

(Company or Operator)

(100)

Well No. 2, in SW  $\frac{1}{4}$  of SW  $\frac{1}{4}$ , of Sec. 27, T. 17S, R. 28E NMPM.

.....  
**Empire Abo - Red Lake**..... **Pool, Eddy**..... **County**.....

Well is 330 feet from South line and 990 feet from West line

of Section 28 If State Land the Oil and Gas Lease No. is \_\_\_\_\_

Drilling Commenced 5-29-61 19..... Drilling was Completed 7-28-61 19.....

Name of Drilling Contractor..... **Pecos Drilling Company**

Address..... **Artesia, New Mexico**

Elevation above sea level at Top of Tubing Head.....3682..... The information given is to be kept confidential until  
.....19.....

No. 1, from 1932 to 1944 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	24	used	612	float			surface
4-1/2	9.5 - 11.6	new&used	6048	float			prod.
4-1/2	9.5	used	1995	float			prod.

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8-5/8	612	165	Denton		
7-3/4	4-1/2	6048	100	Halliburton		
7-3/4	4-1/2	1995	100	Halliburton		

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

**Perf. 5952 - 5984 A/200, A/500, A/7500, A/20,000**

Perf. 1932 - 44 A/100, F/27, 500 lbs. sand and 17,430 gals. lease crude.

Result of Production Stimulation.....Perfs. 5952 - 84, swb dry.

**Perfs 1932 - 44, flow 37 bbls. oil per day.**

## 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 1980 feet to 6048 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from Surface feet to 1980 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## PRODUCTION

Put to Producing August 28, 1961  
OIL WELL: The production during the first 24 hours was 37 barrels of liquid of which 100 % was  
was oil; \_\_\_\_\_ % was emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % was sediment. A.P.I.  
Gravity 35  
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.	<u>255</u>		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	<u>720</u>		T. McKee		T. Menefee
T. Queen	<u>1222</u>		T. Ellenburger		T. Point Lookout
T. Grayburg	<u>1650</u>		T. Gr. Wash.		T. Mancos
T. San Andres	<u>1964</u>		T. Granite		T. Dakota
T. Glorieta			T. _____		T. Morrison
T. Drinkard			T. _____		T. Penn.
T. Tubbs			T. _____		T. _____
T. Abo	<u>5638</u>		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	30	30	Caliche				
30	255	225	Red beds				
255	1964	1709	Anhy., sand, dolomite				
1964	5638	3674	Dolomite				
5638	5907	269	Sh., dolomite				
5907	6048	141	Dolomite				

OIL CONSERVATION COMMISSION  
ARTESIA DISTRICT OFFICE  
No. \_\_\_\_\_  
Date \_\_\_\_\_  
By \_\_\_\_\_  
T. DISTRICT OFFICE  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
BUREAU OF MINES  
1  
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.

Company or Operator Castle and Wigzell Address Box 868, Midland, Texas  
Name J. B. Castle Position Partner  
Date 8-29-61 (Date)