

Form C-110  
Revised 7/1/55

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

South: 100.00  
Quota: 100.00  
Target: 50.00

### Capitol: Queen

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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

Company of 8-11-1988  
(Company or Operator)

H. A. HARTLEY  
(Lease)

Well No. 5-20, in SE 1/4 of NE 1/4, of Sec. 23, T. 14-S, R. 2-E, NMPM.

Quartzburg Shale

Pool, Shale

County.

Well is 900 feet from South line and 900 feet from West line of Section 23. If State Land the Oil and Gas Lease No. is

Drilling Commenced June 5, 1988 Drilling was Completed June 11, 1988

Name of Drilling Contractor Farming Drilling Company

Address Box 1052, Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 4220' The information given is to be kept confidential until, 19

OIL SANDS OR ZONES

No. 1, from 3100 to 3200 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 31 to feet.  
No. 2, from 31 to feet.  
No. 3, from 31 to feet.  
No. 4, from 31 to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
3-5/8"	144	New	101.05	Twist shoe	"	"	Surface cas.
2-1/2"	114	New	237.32	Twist shoe	"	2591-2970'	Production cas.
2-1/8"	85.5	New	173.52	"	"	"	Tag. casing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
2-1/8"	2-1/8"	256.5'	105	P & P	"	"
2-1/8"	2-1/8"	256.6'	100	P & P	"	"

RECORD OF PRODUCTION AND STIMULATION

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

Stimulated 2-1/8" casing 2560-2970' with 3 11/16" spring into new sand and crushed rock with 3000 gallons water and 3-1/2" sand per gallon of 2000 12.5 pounds per minute.

Result of Production Stimulation. Sealed lost oil after treatment but well would not flow. Run pump and water and started running for potential test. Pumped 60.00 barrels oil during 24 hour potential test. Depth Cleaned Out 2970'

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

Rotary tools were used from 0 feet to 2001 feet, and from 0 feet to 0 feet.  
Cable tools were used from 0 feet to 0 feet, and from 0 feet to 0 feet.

## Put to Producing....., 1923

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):**

## Northwestern New Mexico

T. Anhy.....	2012	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	1850	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	1849	T. Montoya.....	T. Farmington.....
T. Yates.....	1841	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	1840	T. McKee.....	T. Menefee.....
T. Queen.....	1839	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. ....

[illegible]

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.

Date Dec 22, 1958 (Date)  
 Company or Operator Los Angeles Harbor of California Address 123 W. Main Street, Los Angeles, Calif.  
 Name W. J. Williams, Jr. Position or Title Port and Navigation