

DUPLICATE  
OC

FORM C-105

N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or nearest agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**THE OHIO OIL COMPANY** **L. G. WARLICK "C"**  
Company or Operator Lease  
Well No. **8** in **NE 1/4, SE 1/4** of Sec. **15**, T. **21 S**  
R. **37 E**, N. M. P. M., **BRUNSON** Field, **LEA** County.  
Well is **3630** feet south of the North line and **990** feet west of the East line of **Sec. 15-21-37**  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is **L. G. WARLICK**, Address **EUNICE, NEW MEXICO**  
If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_  
The Lessee is **THE OHIO OIL COMPANY**, Address **HOBBS, NEW MEXICO**  
Drilling commenced **APRIL 20** 19 **51** Drilling was completed **JUNE 4** 19 **51**  
Name of drilling contractor **TWO STATES DRILLING COMPANY**, Address \_\_\_\_\_  
Elevation above sea level at top of casing **3426** feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

OIL SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
13 3/8	48	8 R	SMLS	295'1"				
8 5/8	32	8 R	SMLS	281'4 1/3"				
5 1/2	17	8 R	SMLS	7613'11"				
2 3/8	4.7	8 R	SMLS	7651'8"				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17	13 3/8	308	300	HALLIBURTON		
11	8 5/8	2803	1300	HALLIBURTON		
8	5 1/2	7570	800	HALLIBURTON		

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment **WELL FLOWED NATURAL THROUGH 1/2" CHOKE**  
**630 B/O IN 24 HRS.**

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 **ID 7626** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

PRODUCTION

Put to producing **JUNE 15** 19 **51**  
The production of the first 24 hours was **630** barrels of fluid of which **100** % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be **44 AT 60°**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

**L. B. ROBERTS**, Driller **G. W. TOWNSEND**, Driller  
**J. R. RODERICK**, Driller \_\_\_\_\_, Driller \_\_\_\_\_

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this **16** **HOBBS, New Mexico** **July 16, 1951**  
day of **JULY**, 19 **51** Name **John H. ...**  
**John H. ...** Position **ASSISTANT SUPERINTENDENT**  
Notary Public Representing **THE OHIO OIL COMPANY**  
My Commission expires **2-22-54** Address **P. O. Box 1607, Hobbs, New Mexico**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1221	1221	SURFACE SAND, CALICHE, RED BEDS
1221	1485	264	ANHYDRITE
1485	2471	986	SALT
2471	6642	4171	ANHYDRITE, DOLOMITE, AND SHALE
6642	7430	788	DOLOMITE AND LIMESTONE
7430	7615	185	DOLOMITE AND LIMESTONE
7615	7626	11	GRANITE WASH

DEPTH	DEGREES OFF VERTICAL
300	1/4
600	0
1120	1/4
1765	1/2
2517	1/4
2804	1/4
3400	1/2
3890	3/4
4300	1- 0
4790	1-1/4
5180	1-1/4
5640	1-1/2
5910	1-1/2
6470	1-1/4
6890	1-1/2
7335	1-1/4
7565	1- 0

L. G. WARLICK "C" WELL No. 8 - BRUNSON POOL, LEA COUNTY, NEW MEXICO

DST No. 1 - TUBBS SAND TEST. JOHNSTON TESTING FROM 6098.82' TO 6250' WITH TOP PACKER AT 6090.82', BOTTOM PACKER AT 6098.82' (151.18' ANCHOR). RAN 450' WATER BLANKET, 5/8" BHC AND 1" TOP CHOKE. TOOL OPEN 5 1/2 HRS AND GAS GAUGED AT 412,000 CUBIC FEET PER DAY. RECOVERED 450' WATER BLANKET AND 800' OF OIL AND GAS CUT MUD. HYDROSTATIC HEAD 3010#, FLOWING PRESS. 850#, SHUT-IN (15 MIN) 2525#.

DST No. 2 - TESTING FROM 7420' - 7529' (109'). RAN TWO JOHNSTON PACKERS, JARS, CIRC. SUB, SAFETY JT., AND DISC VALVE. OPENED TOOL AT 5:00 AM. NO TEST AS PACKERS FAILED.

DST No. 3 - TESTING FROM 7364' 7529' (165'). RAN TWO JOHNSTON PACKERS, JARS, SAFETY JT., CIRC. SUB, 800' WATER BLANKET AND DISC VALVE. TOOL OPEN AT 12:20 PM. NO TEST AS TOOL PLUGGED. CAME OUT TO CONDITION MUD AND RUN DST No. 4.

DST No. 4 - PACKERS SET AT 7365' AND 7370'. TESTING FROM 7370' TO 7529' T. D. (159'). RAN JOHNSTON EQUIPMENT AS FOR DST No. 3 WITH 800' WATER BLANKET. TOOL OPEN 5:46 AM; GAS TO SURFACE IN 44 MINUTES; WATER BLANKET AND MUD IN 59 MINUTES; OIL IN 81 MINUTES. TESTED 2 HOURS; WELL FLOWED 23.75 BBL. 1ST HOUR, AND 22.50 BBL. 2ND HR., OR A TOTAL OF 46.25 BBL. OF OIL IN 2 HRS. THRU 1/2" BHC AND 1" TOP CHOKE. GOR 753:1; HYD. PRESS. 3500#; FLOWING PRESS. 1200#; SHUT-IN PRESSURE 1460#.

DST No. 5 - TESTING FROM 7474' TO 7529' (55'). RAN 2 JOHNSTON PACKERS, JARS, SAFETY JT., CIRC. SUB, DISC VALVE, AND 800' WATER BLANKET. TOOL OPEN AT 6:17 AM, GOOD BLOW. GAS TO SURFACE IN 1 HOUR. WELL DID NOT FLOW. RECOVERED 800' OIL AND GAS CUT WATER BLANKET, 350' OIL AND 100' OIL AND GAS CUT MUD. TOOL OPEN 3 1/2 HOURS. FLOWING PRESS. 525#; 15 MINUTE SHUT-IN PRESS. DID NOT RECORD; HYD. PRESS. 3300#.

DST No. 6 - TESTING FROM 7500' TO 7626' (126'). RAN 2 JOHNSTON PACKERS, JARS, SAFETY JT., CIRC. SUB, AND DISC VALVE WITH 800' WATER BLANKET, 5/8" BHC & 1" THC. TOOL OPEN AT 4:52 AM. GOOD BLOW. GAS WATER TO SURFACE IN 13 MINUTES, MUD IN 15 MINUTES, AND OIL IN 18 MINUTES. FLOWED 62.50 BBL. PER HR. WITH GOR 1120:1. GRAVITY - 44° AT 60°F. FLOWING PRESS. 2320#; 15 MINUTE SHUT-IN PRESS. 2800#, HYD. PRESS 3860#. TOOL OPEN 1 HOUR AND 28 MINUTES.

1. The first part of the document is a letter from the author to the editor of the journal.

2. The second part of the document is a letter from the editor to the author, in which the editor expresses his appreciation for the author's contribution to the journal and his hope that the author will continue to contribute in the future.

3. The third part of the document is a letter from the author to the editor, in which the author expresses his appreciation for the editor's response to his letter and his hope that the editor will continue to support his work.

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