

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Well designation being changed from #3 to #3-D

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.

Continental Oil Company

State 10

(Company or Operator)

(Lease)

Well No. 3-D*, in NW 1/4 of NW 1/4, of Sec. 10, T. 21S, R. 37E, NMPM.

Drinkard

Pool, Lea

County.

Well is 990 feet from North line and 840 feet from East line

of Section 10. If State Land the Oil and Gas Lease No. is

Drilling Commenced May 7, 1953. Drilling was Completed June 13, 1953.

Name of Drilling Contractor: Makin Drilling Company

Address: Hobbs, New Mexico

Elevation above sea level at Top of casing head: 3473

The information given is to be kept confidential until

, 19

OIL SANDS OR ZONES

No. 1, from 6468 to 6701 No. 4, from to

No. 2, from 6191 (G) to 6300 (G) 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8		New	239'	Guide shoe			
9 5/8	36#	New	3051'	Guide shoe &			
9 5/8	40#	New	117'	float collar			
7	23#	New	5501'				
7	23#	New	2050'				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	13 3/8	240	250	Pump & Plug		
	9 5/8	3150	1612	Pump & Plug		
	7	7499	835	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

See attached sheet.

Result of Production Stimulation

Depth Cleaned Out

RD OF DRILL-STEM AND SPECIAL TEST

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 7500 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing When connected, 19

OIL WELL: The production during the first 24 hours was 25 barrels of liquid of which 100 % was
was oil; % was emulsion; % water; and % was sediment, A.P.I.
Gravity 34

GAS WELL: The production during the first 24 hours was 1,200 M.C.F. plus 16.5 barrels of
distillate
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		T. Devonian		T. Ojo Alamo
T. Salt		T. Silurian		T. Kirtland-Fruitland
B. Salt	2610'	T. Montoya		T. Farmington
T. Yates	3660'	T. Simpson		T. Pictured Cliffs
T. 7 Rivers	3435'	T. McKee		T. Menefee
T. Queen		T. Ellenburger		T. Point Lookout
T. Grayburg		T. Gr. Wash		T. Mancos
T. San Andres		T. Granite		T. Dakota
T. Glorieta	5183'	T. Permian	3590'	T. Morrison
T. Drinkard	5163'	T. Silurian	5632'	T. Penn
T. Tubbs	5144'	T. Permian	7475'	
T. Abo	6755'			
T. Penn				
T. Miss				

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1270	1270	Bedbeds				
1270	1390	120	Anhydrite				
1390	2470	1080	Salt				
2470	3210	740	Anhydrite & Dolomite				
3210	6464	3254	Dolomite & sand				
6464	7472	1008	Dolomite & lime				
7472	7500	28	lime & shale				

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.

May 12, 1955 (Date)
Company or Operator Continental Oil Company Address Box 427, Hobbs, New Mexico
Name J. P. [Signature] Position or Title Asst. District Superintendent

In wellbore 1, as indicated, well 1 was the pay, the interval 7463-7473' was perforated with 120 gals. of acid. The perforated interval was acidized with 1,000 gals. acid and flow was not established. Due to non-commercial production in the well, the well was shut in on 1-28-55 and work began on 1-30-55 to develop another pay in the interval 6252-6300' and gas from the Tabb pay)

Well 17301, Well 17301, Tabb pay, Station 17301, Derrick floor 13' above ground. Pay: Induced 6252-6300' and Tabb 6300-6350'.

Well 17301 was perforated from 6252-6300' with 32 shots
6270-6280' with 100 shots
6280-6290' with 32 shots
6290-6300' with 72 shots
6300-6310' with 130 shots
6310-6320' with 121 shots
6320-6330' with 122 shots

Oil potential from the Induced pay allowed 26 bbls. of 44 deg. gravity oil and an eff. index in 24 hours, 1/2 3/4 shots in 2" tubing, TP 100%, OP 0% (packer).

Oil potential 26 bbls. oil and 99 MCF gas. OGR 10,000.

Oil potential gas potential from the Tabb pay / Calculated open-flow potential 1,200 MCF per day plus 1.5 bbls. distillate per day, no water, based on 10-hour back-pressure test. Calculated open-flow potential: 1,150 MCF/day.

Permeability at 100%: 1,000 MD / ft.

Permeability at 15%: 1,150 MD / ft.

Specific gravity of gas: 0.60.

Specific gravity of distillate: 0.71 (corrected)

1/2 hour shut-in wellhead pressure (corrected): 1,013 PSIA

$K_2 = 1.25$ by volume (2/3 in oil)

$K_3 =$ No trace. Tabb gas

Estimated daily oil allowance: 1,000 bbl. Effective when pipe line connected.

Estimated daily Drinkard oil allowance: 26 bbls. Effective 4-17-55.

Date Drinkard oil test: 4-24-55.

Date Tabb gas test: 4-24-55.

Well was acidized with 6,000 gals. from 6598-6624' and with 1,000 gals. from 6598-6624'.

Sandfraced with 6,000 gals. sand using 3/4" sand per gal. from 6252-6300'. Treated with 100 bbls. diesel oil. 2-1/2 emulsion breaker. Sandfraced with 6,000 gals.

Flow with 15 sand per gal. from 6300-6350'.

Flowing completed 5-10-55. ~~Flowing completed 5-10-55.~~

Well 17301, 6300-6350', sand fracked, test open 1 hour / minutes, gas to surface in 3 minutes, measured 1,250 MCF gas per day. Flowing pressure 975#. 15-minute shut-in BHP 945#. Hydrostatic pressure 945#. Recovered 200' of heavily oil and gas-cut mud.

Well 17301, 6300-6350', sand fracked, test open 2 hours, gas to surface in 25 minutes, slight blow gas throughout test. Recovered 360' of oil and gas-cut mud. Flowing pressure 100#. 15-minute shut-in BHP 945#. Hydrostatic pressure 945#.

Well 17301, 6300-6350', sand fracked, test open 2 hours, gas to surface in 10 minutes, small amount. Recovered 250' oil and 100' water. Flowing pressure 625-650#. 15-minute shut-in BHP 625#. Hydrostatic pressure 625#.