

Santa Fe, New Mexico

See below

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**

Union Oil Company of California

Botterill-Core Hole

(Company or Operator)

(Lease)

(See survey plat attached to Form C-101)

Well No. 1-4, in 1/4 of 1/4 of Sec. 1, T. 1, R. 1, NMPM.

Stratigraphic test

Pool

Rio Arriba

County.

Well is See below feet from line and feet from line

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

Drilling Commenced..... June 12, 19 62 Drilling was Completed..... July 2, 19 62

Name of Drilling Contractor..... Johncy Myers Drilling Company

Address 901 Zuni Drive, Farmington, New Mexico

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

July 3, 1963

OIL SANDS OR ZONES

No. 1, from IV to No. 4, from to

No. 2, from 0 to No. 5, from to

No. 2 from 19 to No. 6 from to

NO. 3, from.....E.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 1 to 1 feet.

No. 2, from 0 to ✓ feet.

No. 3. from N to feet.

No. 4. from E 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 ₁₁	New	335.11	End cut & beveled	--	--	Surface 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
12-1/4	8-5/8"	337.11'	150	P & P		

RECORD OF PRODUCTION AND STIMULATION

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

Core hole No. 1 is located 10,939.2' S 34° 30' W of Mile Post 193 on California-Mexico state line.

Well was not treated -- dry and abandoned

Result of Production Stimulation.....

..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 0 feet to 1430 feet, and from -- feet to -- feet.
Cable tools were used from -- feet to -- feet, and from -- feet to -- feet.

PRODUCTION

Put to Producing P & A, 19--
OIL WELL: The production during the first 24 hours was -- barrels of liquid of which -- % 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.			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			T. McKee		T. Menefee
T. Queen			T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. *Mancos 432
T. San Andres			T. Granite		T. Dakota 1155
T. Glorieta			T.		T. Morrison
T. Drinkard			T.		T. Penn
T. Tubbs			T.		T. *Greenhorn 950
T. Abo			T.		T. Graneros 980
T. Penn			T.		T.
T. Miss			T.		T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	432		Volcanics and conglomerate				
432	950		Grey, slightly sandy shale				
950	980		Sandy lime				
980	1155		Dark grey shale				
1155	1208		Grey sandstone and black shale				
1208	1280		Grey massive sandstone				
1280	1330		Black shale with sandstone stringers				
1330	1355		Grey sandstone				
1355	1365		Black shale				
1365	1395		Grey sandstone				
1395	1400		Red and grey shale				
1400	1430		Grey sandstone				
<hr/> CORE DATA <hr/>							
Core No.	1	1163-1171'	Recovered 8' of shale with sand streaks. No oil or gas show.				
Core No.	2	1208-1237'	Recovered 29', including $\frac{1}{2}$ ' of black shale and $28\frac{1}{2}$ ' of sand with spotty fluorescence.				
NOTE: There were no drill-stem or other special tests or surveys run in this well.							

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.

July 5, 1962 (Date)
Company or Operator Union Oil Company of California Address 619 West Texas Avenue, Midland, Texas
Name Paul Medsker Position or Title Production Clerk