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U. S. LAND OFFICE

NOV 23 1959

SERIAL NUMBER LC - 064900

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

NOV 27 1959

D. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Union Oil Company of California Address 619 West Texas Ave., Midland, Texas
Lessor or Tract Federal-Medlin Field Caprock Queen State New Mexico
Well No. 13-17 Sec. 17 T. 15-S R. 31-E Meridian N.M.P.M. County Chaves
Location 660 ft. N. of N. Line and 990 ft. E. of E. Line of Section 17 Elevation 4427.2'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.

Signed

Date November 20, 1959Title Drilling Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling October 29, 1959 Finished drilling November 3, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3136 to 3140 No. 4, from - to -
No. 2, from - to - No. 5, from - to -
No. 3, from - to - No. 6, from - to -

IMPORTANT WATER SANDS

No. 1, from - to - No. 3, from - to -
No. 2, from - to - No. 4, from - to -

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	8 BA	CPAI	303.78	Baker-Quin	-	-	-	Surface casg.
4-1/2	9.54	8 BA	CPAI	316.25	Baker-Quin	-	-	-	Production
2"	4.78	8 BA	CPAI	307.01	Baker-Quin	-	-	-	Logging string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	317.28	200 w/1/4 gal	P&P	-	-
4-1/2	3176.75	225 w/1/4 gal plus 75 cu.ft. Pomax	P&P	-	-

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from Zero feet to 3177 feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

November 20, 1959 Put to producing November 20, 1959

The production for the first 24 hours was 48.95 barrels of fluid of which 96 % was oil; - %
emulsion; 4 % water; and - % sediment. Gravity, °Bé. 34.0° A.P.I.

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. J. Vaught _____, Driller L. C. Finley _____, Driller
Harvey West _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	284	284	Sand and caliche
284	1400	1116	Red beds
1400	1500	100	Anhydrite
1500	2171	671	Salt
2171	2334	163	Anhydrite
2334	2495	161	Sand and anhydrite
2495	3132	637	Anhydrite
3132	3177	45	Sand

