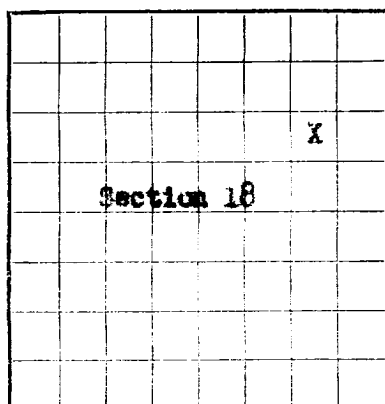


U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **LC-064198C**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 1858, Roswell, New Mexico
Lessor or Tract Middleton-Federal A. Field Lusk State New Mexico
Well No. 1 Sec. 18 T. 19S R. 32E Meridian N.M.P.M. County Lea
Location 1980 ft. N. of E. Line and 990 ft. E. of E. Line of Section 18 Elevation 3605'
(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 R. A. Lowery Original Signed By
R. A. LOWERYDate September 11, 1962Title District Exploitation Engineer

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

Commenced drilling June 3, 1962 Finished drilling August 22, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,263' to 11,283' No. 4, from _____ to _____
No. 2, from 12,242' to 12,431' 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—	
13 3/8"	48#	8ra		879'					Surface
9 5/8"	48#	8ra							Intermediate
2 7/8"	6.5#	(Blacked)		12902'			11263'	11,283'	Oil
2 7/8"	6.5#	(Morrow)		12902'					
2 7/8"	6.5#	(Blank)		12902'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	895'	1250	Pump & Plug	Cemented to surface	
9 5/8"	4,714'	1000	Pump & Plug	Cemented to surface	
2 7/8"	12,514'	2300	Pump & Plug		
(3 strings)					

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 12,515' feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

- September 11, 1962 Put to producing September 6, 1962The production for the first 24 hours was 267 barrels of fluid of which 95% was oil; _____% emulsion; 5% water; and _____% sediment. Gravity, °Bé. 46.2°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	727'	727'	Red Bed
727'	5,315'	4,588'	Anhydrite, Gypsum, Shale, Sand, Limestone
5,315'	6,982'	1,667'	Sand, Shale
6,982'	10,347'	3,365'	Sand, Shale, Limestone
10,347'	11,125'	778'	Limestone and Shale
11,125'	12,515'	1,390'	Limestone, Shale, Sand and Chert
Log Tops			
Bons Spring	6,982'	(-3,377')	
Wolfcamp	10,347'	(-6,742')	
Des Moines	11,125'	(-7,520')	
Atoka	11,346'	(-778')	

