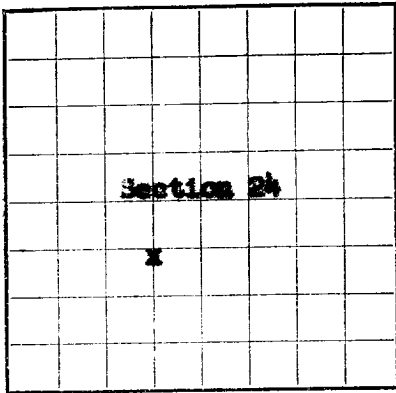


U. S. LAND OFFICE **New Mexico**  
 SERIAL NUMBER **LC-063985**  
 LEASE OR PERMIT TO PROSPECT **1**



**RECEIVED** UNITED STATES  
 NOV DEPARTMENT OF THE INTERIOR  
 U. S. GEOLOGICAL SURVEY  
 ANTESIA, NEW MEXICO

**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company **Shell Oil Company** Address **Box 1858, Roswell, New Mexico**  
 Lessor or Tract **Manahaw Deep Unit** Field **Manahaw-Wolfcamp** State **New Mexico**  
 Well No. **3A-X** Sec. **24** T. **16S** R. **30E** Meridian **MPM** County **ddy**  
 Location **1925** ft. <sup>(N.)</sup> of **S** Line and **1980** ft. <sup>(E.)</sup> of **W** Line of **Section 24** Elevation **3853'**  
(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 **V. L. King** Title **Acting District Exploitation Engineer**

Date **November 7, 1961**

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

Commenced drilling **September 4**, 19**61** Finished drilling **October 17**, 19**61**

**OIL OR GAS SANDS OR ZONES**  
(Denote gas by G)

No. 1, from **8711'** to **8715'** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from **8732'** to **8740'** 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-	
20"	9.4		Conductor	48'					Surface
13 3/8"	12.8	8	Lucas	535'					Intermediate
9 5/8"	36.1	8	Lucas	3098'					Intermediate
4 1/2"	11.6	8	Lucas	9711'	Flange		8711'	8735'	Oil
	9.5						8735'	8740'	

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	62'	12 cu. yds.	Ready Mix		
13 3/8"	525'	450	Pump & Plug	Cemented to surface	
9 5/8"	3309'	1100	Pump & Plug	Cemented to surface	
4 1/2"	9527'	600	Pump & Plug		

**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 **62** feet to **9610** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from **0** feet to **62** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

**November 7**, 19**61** Put to producing **November 4**, 19**61**  
 The production for the first 24 hours was **139** barrels of fluid of which **98** % was oil; \_\_\_\_\_ % emulsion; **2** % water; and **2** % sediment. Gravity, °Bé. **40.6 deg. API**  
 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	62	62	Surface Sands, Caliche, Red Beds
62	525	463	Red Beds, Anhydrite
525	1505	980	Anhydrite, Sand, Shale
1505	2746	1241	Limestone, Sand
2746	2993	247	Dolomite
2993	5795	2802	Dolomite, Limestone
5795	7807	2012	Dolomite, Limestone, shale
7807	9014	1207	Dolomite
9014	9610	596	Limestone, Shale

**LOG TOPS:**

Intes	1505'	(+2348')
Seven Rivers	1704'	(+2149')
Queen	2330'	(+1523')
Grayburg	2718'	(+1135')
San Andres	3037'	(+816')
Yeso	4520'	(-667')
Drinkard	5795'	(-1942')
Abc	6745'	(-2892')
Wolfcamp	7807'	(-3954')
Pennsylvanian Marker	9014'	(-5161')

See attached page for History of Oil Well.

