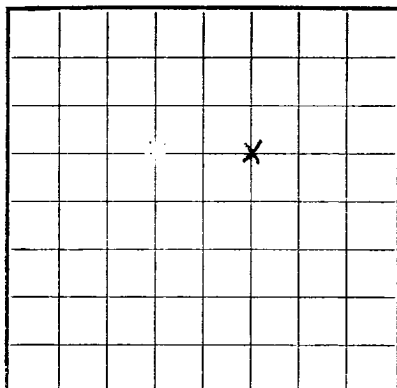


U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 078066
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 33 Richards St., Salt Lake City, Utah
Lessor or Tract Federal Field Histi State New Mexico
Well No. 32-9 Sec. 9 T. 25N R. 12W Meridian NPM County San Juan
Location 1980 ft. N. of N. Line and 1980 ft. E. of E. Line of Sec. 9 Elevation 6193 ft.
(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.

Date December 8, 1956 Signed B.W. Shepard
Title Exploitation Engineer

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

Commenced drilling September 20, 19 56 Finished drilling September 29, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1746 to 1772 No. 4, from _____ to _____
No. 2, from 1820 to 1827 No. 5, from _____ to _____
No. 3, from 1836 to 1840 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from None noted 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—	
<u>8 5/8</u>	<u>32</u>	<u>-</u>	<u>-</u>	<u>223</u>	<u>Baker</u>	<u>-</u>	<u>1746</u>	<u>1772</u>	<u>Surface</u>
<u>4 1/2</u>	<u>40.8</u>	<u>-</u>	<u>-</u>	<u>1802</u>	<u>Baker</u>	<u>-</u>	<u>1772</u>	<u>1827</u>	<u>Production</u>
							<u>1827</u>	<u>1840</u>	<u>Production</u>
							<u>1840</u>	<u>1840</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>223</u>	<u>100</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>
<u>4 1/2</u>	<u>1890</u>	<u>200</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>

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
			<u>None</u>			

TOOLS USED

Rotary tools were used from 0 feet to 1909 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 8, 19 56 Put to producing December 7, 19 56
The production for the first 24 hours was 174 barrels of fluid of which 92.4 % was oil; _____ %
emulsion; _____ % water; and 6 % sediment. Gravity, XX approx. 36° 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

D. L. Brazell, Driller H. H. Owens, Driller
J. Boggs, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1095</u>	<u>1268</u>	<u>173</u>	<u>Pictured Cliffs</u>
<u>1268</u>	<u>1444</u>	<u>176</u>	<u>Lewis</u>
<u>1444</u>	<u>1955</u>	<u>511</u>	<u>Cliff House</u>
<u>1955</u>	<u>3572</u>	<u>1617</u>	<u>Allison-Menefee</u>
<u>3572</u>	<u>3742</u>	<u>170</u>	<u>Point Lookout</u>
<u>1648</u>	<u>-</u>		<u>Gallup</u>

FROM

TO

TOTAL FEET

(OVER)

FORMATION

16-43094-4

FORMATION RECORD—Continued

LEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

[illegible]

The information given hereon 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 _____

Title Geophysicist

Location W-7 No. 1 of Block 8 of Town and Range 10 N., 6 E.

County Lincoln State N.D.

Address or Post Office _____

Continued drilling _____, 19____. Finished drilling _____, 19____.

OIL OR GAS SANDS OR ZONES

(D) yd zno eloc3C)

No. 3 from _____ to _____
 Attached:
 No. 5 from _____ to _____
 No. 6 from _____ to _____
 No. 4 from _____ to _____
 Shell Drilling History

IMPORTANT WATER SANDS

No. 1 from _____ to _____ No. 2 from _____ to _____
No. 3 from _____ to _____ No. 4 from _____ to _____

CASING RECORD

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "saddled", or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]