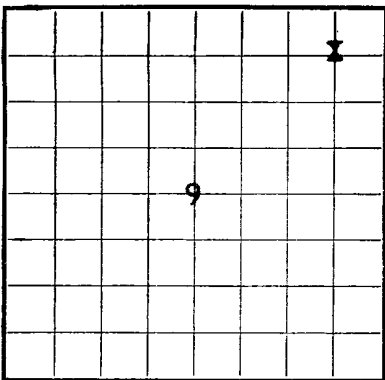


U. S. LAND OFFICE Santa Fe, N.M.SERIAL NUMBER NM 036254

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 101 S. Behrend, Farmington, N.M.
Lessor or Tract Federal Field Bisti State New Mexico
Well No. 41-9 Sec. 9 T. 25N R. 12W Meridian NMEM County San Juan
Location 660 ft. N. of N. Line and 660 ft. E. of E. Line of Sec. 9 Elevation 6201.2
(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

Checked and signed by
.....Date January 6, 1957Title Exploitation Engineer

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

Commenced drilling July 18, 1957 Finished drilling July 26, 1957

OIL OR GAS SANDS OR ZONES

(gross)

(Denote gas by G)

No. 1, from 4776 to 4862 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—	
<u>8-5/8"</u>	<u>28</u>	<u>8</u>	<u>Spang</u>	<u>125</u>	<u>Baker</u>				<u>Surface</u>
<u>4-1/2"</u>	<u>9.5</u>	<u>8</u>	<u>Baker</u>	<u>4991</u>	<u>Baker</u>		<u>4776</u>	<u>4862</u>	<u>Production</u>
									(gross)

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>137</u>	<u>85</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>
<u>4-1/2"</u>	<u>4913</u>	<u>150</u>	<u>"</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
.....						
.....						
.....						

TOOLS USED

Rotary tools were used from 0 feet to 4920 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

January 6, 1957 Put to producing December 29, 1957

The production for the first 24 hours was 432 barrels of fluid of which 99.9% was oil;%
emulsion;% water; and 0.1% sediment. Gravity, 86° Approx. 39°

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

E. T. Lawson, Driller Shell Oil Co. Rig #18
M. Lonney, Driller
V. L. Metz, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1122</u>	<u>1316</u>	<u>194</u>	<u>Pictured Cliffs</u>
<u>1316</u>	<u>1462</u>	<u>146</u>	<u>Lewis</u>
<u>1462</u>	<u>1956</u>	<u>494</u>	<u>Cliff House</u>
<u>1956</u>	<u>3580</u>	<u>1624</u>	<u>Allison Menefee</u>
<u>3580</u>	<u>3782</u>	<u>202</u>	<u>Point Lookout</u>
<u>3782</u>	<u>4671</u>	<u>889</u>	<u>Mancos</u>
<u>4671</u>	<u>-</u>	<u>-</u>	<u>Gallup</u>

[OVER]

16-43094-4

SHELL OIL COMPANY

Gov't 41-9

WELL NO. _____

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

7-26-57

9

(SECTION OR LEASE)

T 25N

R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS													
	FROM	TO														
			Location: 660' E and 660' W of NE 1/4, Section 9, T25N, R12W, N.M.P.M. San Juan County, New Mexico Elevations: DF 6199.3 GR 6190.0 KE 6201.2													
7-18	0	143	Spudded 1:00 P.M. 7-18-57. Ran and cemented (125') 8-5/8", 28#, J-55 Spang casing at 137' with 85 sacks cement treated with 4% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 500 psi, OK.													
7-19 To 7-24	143	4785	<u>Drilled 4642'.</u>													
7-25 To 7-26	4785	4920	<u>Drilled 135'.</u> Ran Electrical Survey and Microlog. Ran and cemented (4901') 4 1/2", 9.5# casing at 4913' with 150 sacks cement treated with 4% gel. Released rig 8:30 A. M. 7-26-57. Checked BOP daily Mud Summary wt 9.4-9.9 #/gal vis 33-58 sec wl 7.6-8 cc FC 2-3/32"													
CONDITION AT BEGINNING OF PERIOD <table border="1"> <thead> <tr> <th colspan="3">HOLE</th> <th rowspan="2">CASING SIZE</th> <th rowspan="2">DEPTH SET</th> </tr> <tr> <th>SIZE</th> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> DRILL PIPE SIZES				HOLE			CASING SIZE	DEPTH SET	SIZE	FROM	TO					
HOLE			CASING SIZE	DEPTH SET												
SIZE	FROM	TO														

Contractors: Shell Oil Co. Rig #18

Drillers: E. T. Lawson

V. L. Metz

M. Lonney

R. D. Allen