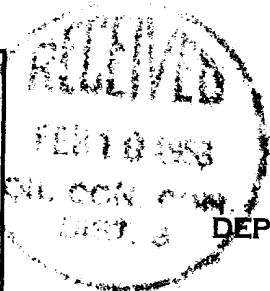
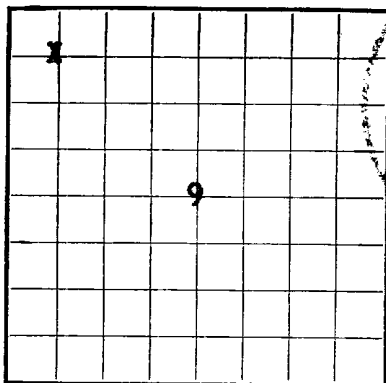


U. S. LAND OFFICE Santa Fe, N.M.

SERIAL NUMBER **NM 036254**

LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 South Behrend, Farmington, N.M.
 Lessor or Tract Federal Field Bisti State New Mexico
Gov't
 Well No. 11-9 Sec. 9 T. 25N R. 12W Meridian NMPM County San Juan
 Location 610 ft. N of N Line and 660 ft. E of W Line of Sec 9 Elevation 6186.3 KB
 (Obtain floor print for the wellhead)

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 _____ Original signed by _____

Date January 6, 1958 Title Exploitation Engineer E. W. SHEPARD

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

Commenced drilling November 9, 19 57 Finished drilling November 18, 19 57

OIL OR GAS SANDS OR ZONES

CROSS (Denote gas by G)

No. 1, from 4762 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	105'	100	Displacement	"	"
4-1/2"	4877'	150	"	"	"

PLUGS AND ADAPTERS

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

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 4835 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

DATES

-----January 6-----, 19--58----- Put to producing -----December 24-----, 19--57-----

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, °Bé 29 - Approx - 300

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES Brinkerhoff Drlg. Co.

-----**E. Babcock**-----, Driller -----**W. Black**-----, Driller

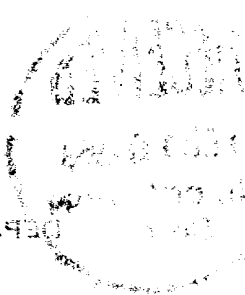
-----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1122	1296	174	Pictured Cliffs
1296	1478	182	Lewis
1478	1984	506	Cliff House
1984	3600	1616	Allison - Menefee
3600	3749	149	Point Lookout
3749	4661	912	Mancos
4661	-	-	Gallup

1. The first part of the document is a letter from the author to the reader, explaining the purpose of the study and the methods used. The letter is dated 1968 and is addressed to the reader.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

[illegible]

115V 640 90 110 90 900

1. The information given herein is a complete and correct record of the work done during the period from 1/1/50 to 12/31/50.

..... of the 1944-1945 season
.....
.....
.....
.....

REPORT OF THE BOARD OF DIRECTORS
FOR THE YEAR 1961

of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or drilling. Give date, size, position, and number of the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots.

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

HISTORY OF OIL OR GAS WELL

10--48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			FORMATION RECORD
			DESCRIPTION
			THICKNESS
			REMARKS
			DATE
			TIME
			LOCATION
			DEPTH
			TEMPERATURE
			WIND
			SEA
			WEATHER
			MOON
			SUN
			STARS
			PLANETS
			COMETS
			METEORS
			NOCTURNAL ANIMALS
			DIURNAL ANIMALS
			PLANTS
			ROCKS
			SOILS
			WATERS
			AIR
			GROUND
			UNDERGROUND
			SKY
			HEAVENS
			WINDS
			STORMS
			CLIMATE
			TEMPERATURE
			WIND
			SEA
			WEATHER
			MOON
			SUN
			STARS
			PLANETS
			COMETS
			METEORS
			NOCTURNAL ANIMALS
			DIURNAL ANIMALS
			PLANTS
			ROCKS
			SOILS
			WATERS
			AIR
			GROUND
			UNDERGROUND
			SKY
			HEAVENS
			WINDS
			STORMS
			CLIMATE
			TEMPERATURE
			WIND
			SEA
			WEATHER
			MOON
			SUN
			STARS
			PLANETS
			COMETS
			METEORS
			NOCTURNAL ANIMALS
			DIURNAL ANIMALS
			PLANTS
			ROCKS
			SOILS
			WATERS
			AIR
			GROUND
			UNDERGROUND
			SKY
			HEAVENS
			WINDS
			STORMS
			CLIMATE
			TEMPERATURE
			WIND
			SEA
			WEATHER
			MOON
			SUN
			STARS
			PLANETS
			COMETS
			METEORS
			NOCTURNAL ANIMALS
			DIURNAL ANIMALS
			PLANTS
			ROCKS
			SOILS
			WATERS
			AIR
			GROUND
			UNDERGROUND
			SKY
			HEAVENS
			WINDS
			STORMS
			CLIMATE
			TEMPERATURE
			WIND
			SEA
			WEATHER
			MOON
			SUN
			STARS
			PLANETS
			COMETS
			METEORS
			NOCTURNAL ANIMALS
			DIURNAL ANIMALS
			PLANTS
			ROCKS
			SOILS
			WATERS
			AIR
			GROUND
			UNDERGROUND
			SKY
			HEAVENS
			WINDS
			STORMS
			CLIMATE
			TEMPERATURE
			WIND
			SEA
			WEATHER
			MOON

SHELL OIL COMPANY

Gov't 11-9

WELL NO. _____

Bisti

DRILLING REPORT

FOR PERIOD ENDING

9

(FIELD)
San Juan, New Mexico

11-18-57

(SECTION OR LEASE)
T25N R12W

(TOWNSHIP OR RANGHO)

DAY 57	DEPTHS		REMARKS
	FROM	TO	
			<u>Location:</u> 610' S and 660' E of NW Corner, Section 9, T25N, R12W, N.M.P.M., San Juan County, New Mexico <u>Elevations:</u> DF 6185.1 GR 6177.8 KB 6186.3
11-9 To 11-10	0	1658	Spudded 6:00 P.M. 11-9-57. Ran and cemented (95') 8-5/8", 28#, J-55 Nat'l. casing at 105' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 500 psi for 10 minutes, OK.
11-11 To 11-12	1658	2506	<u>Drilled 848'</u> . Repaired pump.
11-13 To 11-16	2506	4790	<u>Drilled 2284'</u> .
11-17 To 11-18	4790	4885	<u>Drilled 95'</u>. Ran Electrical Survey and Microlog. Ran and cemented (4869') 4-1/2", 9.5# casing at 4877' with 150 sacks cement treated with 4% gel. Released rig 1:30 A. M. 11-18-57. Checked BOP daily Mud Summary wt 9.3-9.6 #/gal vis 41-93 sec wl 7.1 cc FC 2/32"

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

Contractor: Brinkerhoff Drilling Company
 Drillers: E. Babcock
 J. Speaker
 W. Black

R. D. Allen

SHELL OIL COMPANY

Gov't 11-9

WELL NO.

Bisti

DRILLING REPORT

FOR PERIOD ENDING

9

(FIELD)
San Juan, New Mexico

(SECTION OR LEASE)

(COUNTY)

T25N

R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
11-18	4885	TD	Ran Piano wire - located plug at 4878'.
11-19			Ran Gamma Ray - collar log. Perforated four 1/2" bullet holes/ft 4762-4786, 4833-4842, 4848-4862.
11-21 To 11-22			Moved in pulling unit. Ran tubing to 4762'.
11-24			Swabbed 78 bbls in 8 hours, well began to flow. Shut in for storage.
12-24			INITIAL PRODUCTION Flowing 432 B/D gross, 432 B/D clean, 0.1% cut, 64/64" bean, 259 MCF/D, GOR 600. Completed 12-24-57.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	105'	8-5/8"	105'
7-7/8"	105'	4885	4-1/2"	4877'
DRILL PIPE SIZES				
4-1/2"				

E. B. Johnstone