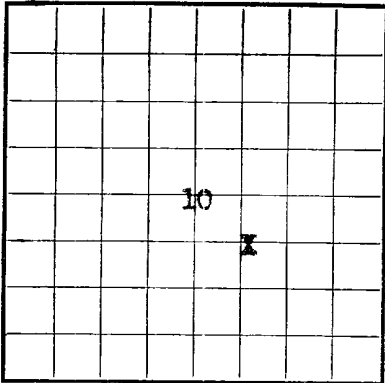


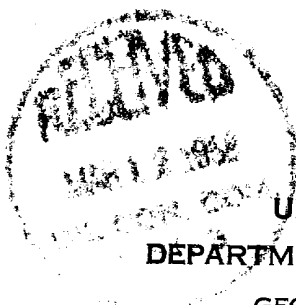
U. S. LAND OFFICE Santa Fe, N.M.

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 E. Behrend, Farmington, N.M.
Lessor or Tract Federal Field Histi State New Mexico
Well No. ^{Cov't} 33-10 Sec. 10 T. 25N R. 12W Meridian NMPM County San Juan
Location 2110 ft. { N. } of 3 Line and 185 ft. { E. } of 7 Line of Sec. 10 Elevation 6187.6 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.

Signed J. E. Methuen

Date November 20, 1957 Title Exploitation Engineer

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

Commenced drilling October 15, 1957 Finished drilling October 22, 1957

OIL OR GAS SANDS OR ZONES

(Gross) (Denote gas by G)

No. 1, from 4749 to 4837 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. 2, from _____ to _____

No. 3, from None 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
3-5/8	104	85	Displacement	-	-
4-1/2	4885	150	"	-	-

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
			None			

TOOLS USED

Rotary tools were used from 0 feet to 4880 feet, and from feet to feet

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

DATES

~~November 20~~, 19~~57~~ Put to producing ~~November 13~~, 19~~57~~

The production for the first 24 hours was 760 barrels of fluid of which 29.9 % was oil; ----- % emulsion; ----- % water; and 0.1 % sediment. Gravity, °Bé. 100.000 at 100° F.

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

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

M. D. Schulze	Driller	Brinkmann Drilling Company	
E. D. Gery	Driller	E. H. Benton	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1050	1269	219	Pictured Cliffs
1269	1447	178	Lewis
1447	1926	479	Cliff House
1926	3566	1640	Allison - Menefee
3566	3728	162	Point Lookout
3728	4643	915	Mancos
4643	-	-	Gallup

SHELL OIL COMPANY

Gov't 33-10
WELL NO.

Bisbee

DRILLING REPORT
FOR PERIOD ENDING

10

(SECTION OR LEASE)

San Juan, New Mexico
(COUNTY)

10-22-57

T 25 N R 12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS																		
	FROM	TO																			
57																					
			Location: 2120' N and 1850' W of SE Corner Sec 10, T 25 N, R 12 W, NMPM San Juan County, New Mexico																		
			Elevations: 11 1198.4 12 1199.6 13 1199.6																		
10-15 to 10-16	110	110	Spudded 9:00 AM 10-15-57. Ran and cemented (3jts) 8 5/8", 28#, H-40 Spang casing at 110' with 85 sacks cement treated with 2% calcium chloride. Mud returns to surface. Flanged up and waited on cement. Pressure tested TCP and casing with 700 psi for 15 minutes, OK.																		
10-17 to 10-21	110	1890	Drilled 110' to 1890'																		
10-22	1890	ED	Ran Electrical Survey and Microlog. Ran and cemented 4 1/2", 9.5# casing to 1890' with 150 sacks cement treated with 4% gel, displaced with oil. Released rig 10:30 PM 10-22-57																		
			Checked BHP daily																		
			Mud Summary Wt 9.2-9.7 #/gal Vis 45-55 sec WL 5.7-8.6 cc FC 1-2/3																		
<table border="1"> <thead> <tr> <th colspan="3">CONDITION AT BEGINNING OF PERIOD</th> <th rowspan="2">CASING SIZE</th> <th rowspan="2">DEPTH SET</th> </tr> <tr> <th colspan="2">HOLE</th> <th></th> </tr> <tr> <th>SIZE</th> <th>FROM</th> <th>TO</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				CONDITION AT BEGINNING OF PERIOD			CASING SIZE	DEPTH SET	HOLE			SIZE	FROM	TO							
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Contractor: Brinkerhoff Drilling co

Drillers: M. D. Schulze

R. C. Cary

G. M. Benton

R. D. Allen

SHELL OIL COMPANY

Gov't 33-10
WELL NO.

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

11-13-57

10

(SECTION OR LEASE)

T 25 N R 12 W

(TOWNSHIP OR RANGE)

DAY 57	DEPTHS		REMARKS
	FROM	TO	
10-27	4890	TD	Bailed fill from 4835-4885. Perforated four 1/2" bullet holes/ft 4749-70, 4776-85, 4818-28, 4833-37.
10-28			Sand Oil Fracture Treatment #1. Broke down formation 2100-2000 psi. Injected 15,000 gal oil, 1 #/gal sand, 60 nylon balls, pressure increased from 2600-2700 psi. Injected 10,000 gal oil, 1 #/gal sand, 45 nylon balls, pressure increased to 3500 psi, broke back to 3100 psi. Injected 10,000 gal oil, 1 #/gal sand, 22 nylon balls, pressure increased to 3600 psi. Flushed with 120 bbls oil. Shut in, pressure decreased to 700 psi after 15 minutes. Average treating rate 31 bbls/min. Treating pressure 2600-3600 psi.
10-29			Moved in well pulling unit, found sand fill at 4777'.
10-30			Cleaned out sand to 4870', ran tubing to 4749'. Swabbed well, started to flow.
10-31 to 11-12			Flowed, recovered all load and frac oil.
11-13			INITIAL PRODUCTION Flowing 760 B/D gross, 759 B/D clean, cut 0.1%, 30/64" bean, 287 MCF/D gas, GOR 380, TP 180, CP 300. Completed 11-13-57.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 1/4"	0	110	8 5/8"	104'
7 7/8"	110	4890	4 1/2"	4885'
DRILL PIPE SIZE			4 1/2"	

E. R. JOHNSTONE