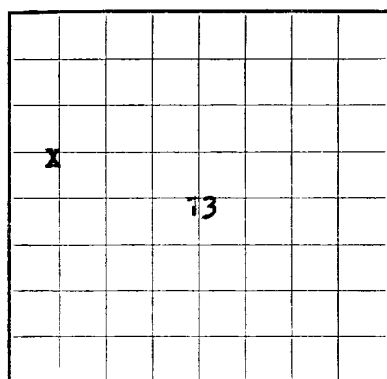


U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 078064
LEASE OR PERMIT TO PROSPECT -----



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address 101 E. Behrend, Farmington, N.M.
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico
Well No. 12-13 Sec. 13 T. 25N R. 12W Meridian NPM County San Juan
Location 1980 ft. XX of N Line and 660 ft. E of W Line of Sec. 13 Elevation 6402 KB
(Derick floor position 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 _____ Original signed by
 R. W. SUNDARI

Date March 4, 1958 Title Exploitation Engineer

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

Commenced drilling January 15, 1958 Finished drilling January 22, 1958

OIL OR GAS SANDS OR ZONES

(gross)

(Denote gas by G)

No. 1, from 1875 to 1992 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"	100	100	Displacement	-	-
4-1/2"	5015	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

TOOLS USED

Rotary tools were used from 0 feet to 5015 feet, and from feet to feet.

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

DATES

-----~~March 4~~-----, 19~~58~~ Put to producing -----~~February 28~~-----, 19~~58~~

The production for the first 24 hours was 240 barrels of fluid of which 99.8% was oil; -----% emulsion; -----% water; and 0.2% sediment. Gravity, 86.300 sp. gr.

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

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

EMPLOYEES

EMPLOYEES		Brinkerhoff Drilling Company	
G. M. Benton	Driller	R. C. Cary	Driller

----- M. C. Schulze -----, Driller

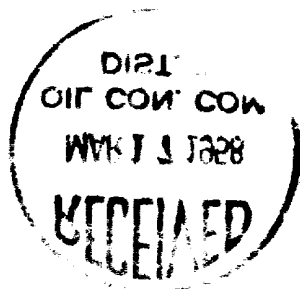
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1205	1442	237	Pictured Cliffs
1442	1588	146	Lewis
1588	2071	483	Cliff House
2071	3706	1635	Allison-benfee
3706	3870	164	Point Lookout
3870	4780	910	Mancos
4780	-	-	Gallup

[illegible]

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

B A SHELVND
OCEANIC GROUP PA



Bisti

DRILLING REPORT

FOR PERIOD ENDING

13

San Juan, New Mexico

1-22-58

(SECTION OR LEASE)
T 25N R 12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 1980' S and 660' E of NW corner Section 13, T25N, R12W, NMPM, San Juan County, New Mexico.</p> <p><u>Elevations:</u> DF 6401.15' GR 6393.85' KB 6402.35'</p>
1-15	0	1800	Spudded 4:00 P.M. 1-15-58. Ran and cemented (90') 8-5/8", 24# J-55 casing at 100' with 100 sacks cement treated with 2% calcium chloride. Good cement returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
1-16 to 1-21	1800	5015	<u>Drilled 3215'.</u>
1-22	5015	TD	<p>Ran Electrical Survey and Microlog. Rand and cemented (5005') 4-1/2", 9.5# casing at 5015' with 150 sacks cement treated with 4% gel. Displaced with oil. Released rig 5:00 P.M. 1-22-58.</p> <p>Checked BOP daily.</p> <p>Mud Summary</p> <p>Wt. 9.6 - 9.8 #/gal.</p> <p>Vis. 35-112 sec.</p> <p>WL 5.2 - 4.6 ccs</p> <p>FC 2/32"</p> <p>Contractor: Brinkerhoff Drilling Company</p> <p>Drillers: G. M. Benton M. C. Schulze R. C. Cary</p>

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

R. D. Allen

SIGNED

SIZE	FROM	TO	CASING SIZE	DEPTH SET
12-1/9"	0	100'	8-5/8"	100'
8-7/8"	100	5015	4-1/2"	5015'
DRILL PIPE SIZES		4-1/2"		

E. B. Johnstone