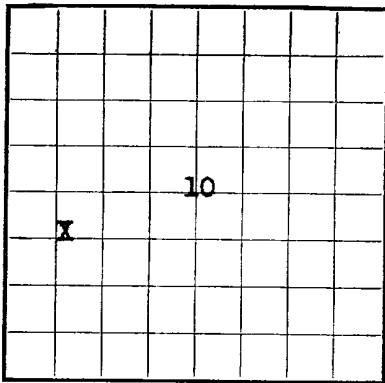


U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER NM 036254
LEASE OR PERMIT TO PROSPECT -



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
PRIOR JAN 13 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 South Behrend, Farmington, N.M.
 Lessor or Tract Federal - Gov't Field Bisti State N. M.
 Well No. 13-10 Sec. 10 T. 25N R. 12W Meridian NMPM County San Juan
 Location 1980 ft. (N.) of S Line and 700 ft. (E.) of W Line of Sec 10 Elevation 6187.6 KB
 (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 _____ Original signed by
R. W. SHEPARD

Date January 3, 1958 Title Exploitation Engineer

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

Commenced drilling October 23-----, 1957 Finished drilling October 30-----, 1957

OIL OR GAS SANDS OR ZONES

(gross) (Denote gas by G)

No. 1, from 4731 to 4830 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 _____ 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—	
8-5/8"	24	8	Spang	93	Baker	-	-	-	Surface
4-1/2"	9.5	8	-	4837	Baker	-	4731	4830	Production
							gross		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	103	100	Displacement	-	=
4-1/2"	4847	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 4850 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----January 3-----, 1958 Put to producing -----December 17-----, 1957.

The production for the first 24 hours was 764 barrels of fluid of which 99.7 % was oil; ----- % emulsion; ----- % water; and 0.3 % sediment. Gravity, °Ré. 48.0 -----

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.

-----C. M. Benton-----	, Driller	Blanchard Drig. Co.	
-----M. D. Schulze-----	, Driller		
-----R. C. Cary-----	, Driller		

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1034	1257	223	Pictured Cliffs
1257	1437	180	Lewis
1437	1930	493	Cliff House
1930	3550	1620	Allison - Menefee
3550	3720	170	Point Lookout
3720	4630	910	Mancos
4630	-	-	Gallup

SHELL OIL COMPANY

Gov. C. 13-10

WELL NO. _____

Bisti

DRILLING REPORT

FOR PERIOD ENDING

10

San Juan, New Mexico

10-30-57

T25N

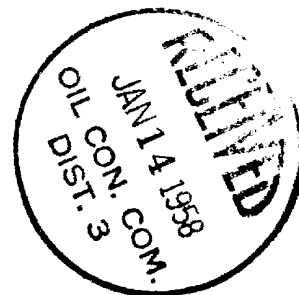
R12W

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
			Location: 700' E and 1980' N of SW Corner, Section 10, T25N, R12W, R12W, N.M.P.M., San Juan County, New Mexico.
			Elevations: DF 6186.4 GR 6179.1 KB 6187.6
10-23 To 10-24	0	1730	Spudded 6:00 P. M. 10-23-57. Ran and cemented (93') 8-5/8", 24#, J-55 Spang casing at 103' 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 700 psi for 15 minutes, OK.
10-25 To 10-28	1730	4657	<u>Drilled 2927'</u> .
10-29 To 10-30	4657	4850	<u>Drilled 193'</u> . Ran Electrical Survey and Microlog. Ran and cemented (4837') of 4-1/2", 9.5# casing at 4847' with 150 sacks cement treated with 4% gel. Final pressure 1500 psi. Displaced with oil. Released rig 1:30 P. M. 10-30-57.
			Checked BOP Daily
			Mud Summary wt 9-9.7 #/gal vis 49-77 sec wl 5.8 - 8.6 cc FC 1-2/32"
CONDITION AT BEGINNING OF PERIOD			
HOLE		CASING SIZE	DEPTH SET
SIZE	FROM	TO	
DRILL PIPE SIZES			

Contractor: Brinkerhoff Drilling Co.
 Drillers: G. M. Benton
 R. C. Cary
 M. D. Schulze



R. D. Allen

SHELL OIL COMPANY

Gov't. 13-10

WELL NO. _____

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

12-17-57

10

(SECTION OR LEASE)

T25N

R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
11-5	4850	TD	Ran Gamma Ray - collar log--stopped at 4720'.
11-7			Moved in pulling unit, bailed fill from 4740-4780, bailed hard cement.
11-12			Cleaned out to 4842'.
11-13			Ran Gamma Ray - collar log. Bullet perforated four 1/2" holes/ft 4805-15, 4820-30. Spotted 200 gal. mud acid before perforating four 1/2" holes/ft 4731-53 and 4764-70.
11-14			Sand oil fracture #1. Broke down formation at 1200 psi. Injected 17,000 gal. oil with 1#/gal. sand and 85 nylon core balls. Stopped pumps needle valve cut out on ball dropper. Injected 35,000 gal. oil with 1#/gal. sand, 50 nylon core balls. No effect on pressure. Maximum pressure 2800 psi, minimum pressure 2700 psi. Average treating rate 36 bbl/min. Flushed and displaced with 160 bbls. oil. Shut in pressure after 10 minutes, 800 psi.
11-16			Located top of sand fill at 4832'. Landed 2-3/8" tubing at 4712'. Swabbed well in.
11-17 To 12-16			Flowed and recovered 1440 bbls load and frac oil.
12-17			INITIAL PRODUCTION Flowing, 764 B/D gross, 762 B/D clean, cut 0.3%, 64/64" bean, 196 MCF/D, GOR 256. Completed 12-17-57.

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4	0	115	8-5/8"	103'
7-7/8"	115	4850	4-1/2"	4847'

DRILL PIPE SIZES	4-1/2"
------------------	--------



E. B Johnstone