

U. S. LAND OFFICE Santa Fe, N. M.
SERIAL NUMBER SF078061
LEASE OR PERMIT TO PROSPECT _____

[illegible]

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 158, Farmington, N. M.
Lessor or Tract Federal-Carson Unit Field Bisti State New Mexico
Well No. 33-17 Sec. 17 T. 25N R. 11W Meridian NMPM County San Juan
Location 2080 ft. N. of S. Line and 1905 ft. E. of E. Line of Sec. 17 Elevation 6402 AB
(Derrick floor relative to sea level)

Date February 11, 1960

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

Commenced drilling December 16, 1959 Finished drilling December 23, 1959.

(gross) (Denote gas by G)

No. 1, from 4882 to 4990 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

[illegible]

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	109'	100	Displacement		
4-1/2"	5034'	150	Displacement		

Heaving plug—Material Length Depth set

Adapters—Material..... Size

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

Rotary tools were used from 0 feet to 5035 feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

-----February 10-----, 19-60 Put to producing -----January 10-----, 19-60.

The production for the first 24 hours was 262 barrels of fluid of which 99.8% was oil; -----% emulsion; -----% water; and 0.2% sediment. Gravity, °Bé. -----

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

Rock pressure, lbs. per sq. in.

_____, Driller
_____, Driller

FROM—	TO—	TOTAL FEET	FORMATION
1202	1391	189	Pictured Cliffs
1391	1583	192	Lewis
1583	2057	474	Cliff House
2057	3715	1658	Allison-Menefee
3715	3874	159	Point Lookout
3874	4790	916	Mancos
4790	-	-	Gallup

FORMATION RECORD—Continued

SHELL OIL COMPANY

Carson Unit 33-17
 WELL NO.

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

12-23-59

17

(SECTION OR LEASE)

T. 25 N., R. 11 W.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
12-16 to 12-17	0	393	Location: 2080' N. and 1905' W. of SE Corner, Sec. 17, T. 25 N., R. 11 W., N.M.P.M., San Juan County, New Mexico Elevations: DF 6399.9' GR 6392.5' KB 6401.5 Spudded 8:30 A.M. 12-16-59. Ran and cemented (100') 8-5/8" 28# J-55 casing at 109' 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., OK.
12-18 to 12-22	393	4970	<u>Drilled 4577'</u>. Overhauled pump motor.
12-23	4970	5035 TD	Drilled 65'. Ran Micro SP Log. Ran and cemented (5025'), 4-1/2", 9.5# J-55 casing at 5034' with 150 sacks cement treated with 4% gel. Displaced with oil. Held 1500 psi for 15 minutes, OK. Released rig 10:30 P.M. 10-23-59.
			Checked BOP daily Mud Summary: Wt. 9.1-9.6#/gal. vis 46-120 sec. WL 4.8-5.2 cc FC 2/32" Contractor: Brinkerhoff Drilling Company Co. Pusher: W. C. Thompson

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

M. W. McGarry, Jr.

SHELL OIL COMPANY

Carson Unit
WELL NO. 33-17

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FOR PERIOD ENDING

12-23-59

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Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
12-24	5035 TD		Perforated four 1/2" jet holes/ft. 4882-86, 4894-4904, 4912-26, 4952-61, 4969-4972, 4978-4982, 4990-4994.
12-26			Spotted 200 gal. mud acid
12-27			Sand oil fractured with 50,000 gal. crude, 1#/gal. sand. Dropped 150 balls in 3-50 ball stages 100-200 psi increase after each drop. Maximum pressure 2700 psi, final pressure 2600 psi, average rate 30.2 bbls/min.
12-28			Bailed frac sand. Ran 2-3/8" tubing to 4895'.
12-29			Ran rods and pump.
12-30-59 to 1-9-60			Pumped and recovered all load and frac oil, 1573 bbls.
1-10-60			INITIAL PRODUCTION Pumping 262 B/D gross, 261 B/D clean, 0.2% cut, 516 MCF/D gas, GOR 1980. Completed 1-10-60

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4	0	115	8-5/8"	109'
7-7/8"	115	5035	4-1/2"	5034'
DRILL PIPE SIZE			4-1/2"	

M. W. McGarry, Jr.