

U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 078061
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 S. Behrend, Farmington, N.M.
Lessor or Tract Federal Field Bisti State New Mexico
Carson
Well No. 14-17 Sec. 17 T. 25N R. 11W Meridian NMPM County San Juan
Location 660 ft. N of S Line and 660 ft. E of W Line of Sec. 17 Elevation 6433.45 KB
(Devick Bear 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 B W Shepard

Date November 13, 1957 Title Exploitation Engineer

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

Commenced drilling July 31-----, 1957 Finished drilling August 8-----, 1957.

OIL OR GAS SANDS OR ZONES

(gross) (Denote gas by G)

No. 1, from 4904 to 5015 No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from ----- to ----- No. 3, from **None** to -----
No. 2, from ----- to ----- No. 4, from ----- to -----

CASING RECORD

Size casting	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	24	8		163	Baker				Surface
4-1/2"	9 1/2	8		163	Baker		1904	5016	Production
HISTORY OF OIL OK CV2 WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	173	130	Displacement	-	-
4-1/2"	5043	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 _____ feet to 5054 feet, and from _____ feet to _____ feet

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

DATES

November 1, 19 Put to producing _____, 19

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% 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. -----

EMPLOYEES

EMPLOYEES		Brinkerhoff Drilling Company
Black	Driller	G. C. Adams
J. Speaker	Driller	

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1240	1450	210	Pictured Cliffs
1450	1610	160	Lewis
1610	2055	445	Cliff House
2055	3717	1662	Allison-Menefee
3717	3885	168	Point Lookout
3885	4801	916	Mancos
4801	-	-	Gallup

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

County or Trust _____
Lessor or Trust _____
Well No. _____ Section T. _____ R. _____ Meridian _____
Location _____ of _____ and _____ of _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be obtained from all available records.
Signed _____
Title _____
A warranty on this page is for the condition of the well at above date.

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

[illegible]

SHELL OIL COMPANY

Carson Unit
WELL NO. 14-17

Bisti

(FIELD)

San Juan, New Mexico
(COUNTY)DRILLING REPORT
FOR PERIOD ENDING

8-8-57

17

(SECTION OR LEASE)

T25N, R11W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
			<u>Location:</u> 660' N and 660' E of SW Corner, Section 17, T25N, R11W, NMPM, San Juan County, New Mexico. <u>Elevations:</u> DF 6432.20 GR 6424.35 KB 6433.45
7-31 to 8-1	0	1860	Spudded 7:00 P.M. 7-31-57. Cemented (163') 8-5/8" 24#, J-55 casing at 173' with 130 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.
8-2 to 8-6	1860	4870	<u>Drilled 3010'.</u>
8-7 to 8-8	4870	5054	<u>Drilled 184'.</u> Ran Electrical Survey and Microlog. Ran and cemented (5033') 4-1/2", 9.5# casing at 5043 with 150 sacks cement treated with 4% gel. Released rig 12 noon 8-8-57. Checked BOP daily Mud Summary Wt. 9.3 - 9.5#/gal. Vis. 44 - 120 sec. WL 4.8 - 6.4 cc FC 2/32"
CONDITION AT BEGINNING OF PERIOD			
HOLE		CASING SIZE	DEPTH SET
SIZE	FROM	TO	
DRILL PIPE SIZES			



Contractor: Brinkerhoff Drilling Co.

Drillers: Black

J. Speaker

C. C. Adams

R. D. Allen

SHELL OIL COMPANY

Carson Unit

WELL NO. 14-17

Bisti

DRILLING REPORT

FOR PERIOD ENDING

T25N, R11W

(SECTION OR LEASE)

San Juan, New Mexico

11-7-57

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
8-31	5054	TD	Ran Gamma Ray - collar locator log. Jet perforated four 1/2" holes/ft. 4904-20, 4929-34, 4937-44, 4989-98, 5010-15. Ran tubing to 4900'.
9-18			Swabbed 8 hours to sump, recovered 60 bbls. fluid, fluid level 4000'.
10-1 to 10-2			Moved in pulling unit, pulled tubing, ran casing swab, fluid level 3000'. Swabbed a total of 58 hours - no fluid entry.
10-18 to 10-19			Moved in pulling unit, found fluid level at 5025, swabbed all oil from hole. Washed perforations with 250 gal. mud acid, swabbed casing approximately 24 hours - no fluid entry.
10-22			Sand Oil Fracture Treatment #1. Injected 15,000 gal. oil with 1#/gal. sand - 80 rubber balls; 15,000 gal. oil with 1#/gal. sand - 80 rubber balls; 15,000 gal. oil with 1#/gal. sand - 80 rubber balls. Treating pressure 2700 psi (no pressure rise from rubber balls) average rate 35 bbl./min. (Sand treated with radioactive material).
10-23			Ran tracer log, cleaned out rubber balls and sand.
10-24 to 11-7			Swabbed well, began flowing. Flowload and frac oil at average rate of 771 B/D. Recovered all frac oil.
			INITIAL PRODUCTION Flowing 758 B/D gross, 756 B/D clean, cut 0.2%, 495 MCF/D gas, GOR 650, 25/64" bean, TP 400. Completed 10-30-57.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4	0	173	8-5/8	173'
7-7/8	173	5054	4-1/2	5043'
DRILL PIPE SIZES 4-1/2				



E. B. Johnstone