

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

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
B. W. SHEPARD

Date June 26, 1950 Title Exploitation Engineer

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

Commenced drilling April 30, 1958 Finished drilling May 5, 1958

No. 1, from 4877 (gross) to 4992 (Denote gas by G) No. 4, from _____
 No. 2, from _____ to _____ No. 5, from _____
 No. 3, from _____ to _____ No. 6, from _____

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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"	110	100	Displacement	120 lbs/cu yd	120 cu yd
4 1/2"	5006	150	Displacement	120 lbs/cu yd	150 cu yd

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

-----June 26-----, 19 50 Put to producing -----May 25-----, 19 50

The production for the first 24 hours was 576 barrels of fluid of which 99.7 % was oil; ----- % emulsion; ----- % water; and 0.3 % sediment. Gravity, 864 App. 100

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 Drilling Company
C. Adams	, Driller	E. Babcock
H. Black	, Driller	

FROM—	TO—	TOTAL FEET	FORMATION
1202	1409	207	Pictured Cliffs
1409	1576	169	Lewis
1576	2029	451	Cliff House
2029	3667	1636	Allison-Menefee
3667	3862	195	Point Lookout
3862	4775	913	Mancos
4775	----	---	Gallup

FORMATION RECORD—Continued

[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.

HISTORY OF OIL OR GAS WELL

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.

Attached: Drilling History



SHELL OIL COMPANY

Carson Unit

WELL NO. 32-13

Bisti

DRILLING REPORT

FOR PERIOD ENDING

13

(SECTION OR LEASE)

T25N, R12W

(TOWNSHIP OR RANCHO)

(FIELD)

San Juan Co., N.M.

(COUNTY)

5-6-58

DAY	DEPTH		REMARKS
	FROM	TO	
12 1/2			1900' S and 1980' W of NE Corner, Section 13, T25N, R12W, San Juan County, New Mexico. DR 5064.3' CR 5376.8' CR 5405.5'
4-30 to 5-1			Spaced out 100' 4-30-58. Ran and cemented (100') 8 5/8", 24#, J-55. Variance 110' with 100 sacks cement treated with 2% calcium chloride. Mud returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
5-2 to 5-5			Pressure tested.
5-6	5064	5405	Had Electrical survey and microlog. Dropped 4 singles drill pipe while laying pipe down. Recovered with overshot. Ran and cemented (4996') 8 5/8", 24#, J-55 casing at 5006' with 150 sacks cement treated with 2% calcium chloride. Displaced with oil. Final pressure 1800 psi. Released rig 4:00 P.M. 5-7-58. Checked BOP daily Mud summary wt 9.2-9.7#/gal. vis 41-85 sec. wl 7.2-8 cc. fc 2/32" Contractor: Brinkerhoff Drilling Company Drillers: C. Adams W. Black E. Babcock

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

DRILL PIPE SIZES

R. D. Allen

SHELL OIL COMPANY

Carson unit

WELL NO. 32-13

Bisti

DRILLING REPORT

FOR PERIOD ENDING

5-25-58

13

(SECTION OR LEASE)

T25N, R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTH		REMARKS
	FROM	TO	
5-16	501	510	Run Ray-collar log. Perforated four 1/2" holes/ft. 4905-4916, 4874-4871, 4874-4892 (perforator broke down) 4877-4901.
5-17			Injected 200 gal. mud acid on perforations. Sand oil fracture treatment. Broke down formation at 1000 psi. Injected 50,000 gal. crude oil and 50,000# sand, dropped 175 nylon core balls (no pressure in- jected). Mud with 160 bbls. crude oil. Maximum pressure 3000 psi, initial pressure 2200 psi, average rate 40 bbl./min.
5-18			Lowered test liner sand. Landed tubing at top of perforations.
5-19			Produced 60 bbls., well began to flow.
5-20 to 5-21			Flowed and recovered all load and frac oil 1528 bbls.
5-25			INITIAL PRODUCTION Flowed 576 B/D gross, 574 B/D clean, cut 0.3%, 64/64" bean, GOR 522 MCF/D, GOR 560, Completed 5-25-58.

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 1/8"				510'
7 1/8"				501'
DRILL PIPE SIZES				

E. B. Johnstone