

[illegible]

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JUL 2 1958
OIL CON. COM. DEP.
JUL 3

U. S. LAND OFFICE Santa Fe, NM
SERIAL NUMBER SP 078067
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

INTERIOR
RECEIVED
JUL 1 1958
U.S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO
GAS WELL

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, NM
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico
Well No. 42-23 Sec. 23 T. 25N R. 12W Meridian NMPM County San Juan
Location 1890 ft. ~~Box~~ of N Line and 616 ft. ~~Box~~ W. of E Line of Sec. 23 Elevation 6391 KB
(Derrick floor relative to sea level)

Signed

Date June 23, 1958 Title Exploitation Engineer

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

Commenced drilling May 26, 1958 Finished drilling June 2, 1958

OIL OR GAS SANDS OR ZONES

(gross)

(Denote gas by G)

No. 1, from 4805 to 4912 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"	104	100	Displacement	12.00	1000
4 1/2"	4940	150	Displacement	12.00	1000

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 4945 feet, and from none feet to none feet

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

DATES

----- June 2 -----, 1958 Put to producing ----- June 16 -----, 1958

The production for the first 24 hours was 500 barrels of fluid of which 99.9 % was oil; _____ % emulsion; _____ % water; and 0.1 % sediment. Gravity, °Bé. Annex 200

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W. Black, Driller
C. Adams, Driller

----- **E. Babcock** -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1208	1354	146	Pictured Cliffs
1354	1521	167	Lewis
1521	2022	501	Cliff House
2022	3612	1590	Allison-Menefee
3612	3800	188	Point Lookout
3800	4705	905	Mancos
4705	----	---	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, 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

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

SHELL OIL COMPANY

Carson Unit

WELL NO. 42-23

Bisti

DRILLING REPORT

FOR PERIOD ENDING

6-2-58

23

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANGHO)

(FIELD)
San Juan, New Mexico

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 1890.2' S and 616' W of NE Corner Section 23, T25N, R12W, NMPM, San Juan County, New Mexico</p> <p><u>Elevations:</u> DF 6390.4 GR 6382.6 KB 6391.3</p>
5-26	0	2232	Spudded 11:15 A.M. 5-26-58. Ran and cemented (94') 8 5/8", 24#, J-55 National Casing at 104' 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.
5-28 to 6-1	2232	4945	<u>Drilled</u> 2713.
6-2	4945	TD	<p>Ran Electrical Survey and Microlog. Ran and cemented (4930') 4 1/2", 9.5#, J-55 casing at 4940' with 150 sacks cement treated with 4% gel. Final pressure 1600-psi. Displaced with oil. Released rig 1:15 P.M. 6-2-58</p> <p>Checked BOP daily wt 9.2-9.9 #/gal. vis 40-82 sec. wl 6.2-9 cc FC 2/32"</p> <p>Contractor: Brinkerhoff Drilling Company Drillers: W. Black E. Babcock C. Adams</p>

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

SHELL OIL COMPANY

OIL BOIL C-110

Bisti

DRILLING REPORT
FOR PERIOD ENDING

WELL NO. 42-23

23

(FIELD)
San Juan, New Mexico
(COUNTY)

6-18-58

(SECTION OR LEASE)
T25N R12W
(TOWNSHIP OR RANCH)

DAY	DEPTHS		REMARKS
	FROM	TO	
6-4	4945	TD	Ran Gamma Ray - collar log. Perforated four 1/2" holes/ft 4804-4818, 4833-4859, 4864-4876, 4885-4896, 4902-4912.
6-9			Spotted 200 gal. mud acid on perforations. Sand oil fracture treatment #1. Broke down formation at 2500. Injected 50,000 gal. crude and 50,000# sand plus 200 nylon core balls (no pressure increases). Flushed with 160 bbls. crude. Maximum pressure 2700 psi, minimum pressure 2500 psi, average rate 40.0 B/M.
6-10			Cleaned out frac sand from 4880' to 4920'.
6-11			Landed tubing at 4800'. Swabbed 150 bbls, well began to flow weakly.
6-12			Swabbed 200 bbls. frac oil, well began to flow.
6-13			Flowed and recovered all load and frac oil, 1495 bbls.
6-18			INITIAL PRODUCTION Flowing, 500 B/D gross, 499 B/D clean, cut 0.1%, Gas 155 MCF/D, GOR 310, 64/64" bean TP 230. Completed 6-16-58.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11"	C	115	8 5/8"	104'
7 7/8"	115	4945	4 1/2"	4940'
DRILL PIPE SIZES				