

U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 078067
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 South Behrend, Farmington, N. M.
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico
Well No. 44-11 Sec. 11 T. 25N R. 12W Meridian NMFM County San Juan
Location 660 ft. N. of S. Line and 660 ft. EX of E Line of Sec. 11 Elevation 6379 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 _____

Date July 3, 1958

Title Exploitation Engineer

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

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Commenced drilling June 3, 1958 Finished drilling July 9, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>4887</u> ^{gross} to <u>4992</u> No. 2, from _____ to _____ No. 3, from _____ to _____	No. 4, from _____ to _____ No. 5, from _____ to _____ No. 6, from _____ to _____
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IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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"	109'	100	Displacement	--	--
4 1/2"	5031	150	Displacement	--	--

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

[illegible]

TOOLS USED

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.

DATES

July 3, 19**58** Put to producing **June 28**, 19**58**

The production for the first 24 hours was 585 barrels of fluid of which 99.9% was oil; ---% emulsion; ---% water; and 0.1% sediment. Gravity, 88.4 **Approx. 39°**

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 Co.

J. Speaker	Driller	E. Babcock	Driller
C. Adams	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1222	1420	198	Pictured Cliffs
1420	1594	174	Lewis
1594	2046	452	Cliff House
2046	3718	1672	Allison - Mansfee
3718	3882	164	Point Lookout
3882	4785	903	Mancos
4785	—	—	Gallup

[OVER]

$$16 = -53094 \cdot d$$

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 ~~the~~ date 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]

FORMATION RECORD—Continued

SHELL OIL COMPANY

Carson Unit 44-11
WELL NO.

Bisti

DRILLING REPORT

FOR PERIOD ENDING

San Juan, New Mexico

6-10-58

11

(SECTION OR LEASE)

T25N

R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTH		REMARKS
	FROM	TO	
			<u>Location:</u> 660'N and 660'W of SE Corner, Section 11, T25N, R12W, NMPM, San Juan County, New Mexico. <u>Elevations:</u> DP 6377.6' GR 6369.7' KB 6378.8'
6-3 to 6-4	0	200	Spudded 1:30 P.M. 6-3-58. Ran and cemented (99') 8 5/8", 24#, J-55 Nat'l casing at 109' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited in cement. Pressure tested casing and BOP with 700 psi, OK.
6-5 to 6-9 6-10	200	5035	Drilled 2730' Ran Electrical Survey and Microlog. Ran and cemented (502') 4 1/2", 9.6#, J-55 casing at 5031' with 150 sacks cement treated with 4% gel. Final pressure 2000 psi. Displaced with oil. Released rig 1:30 P.M. 6-10-58. Checked BOP daily Mud Summary Wt 9.4-9.8#/gal. Vis 38-94 sec WL 7-10 cc FC 2/32 Contractor: Brinkerhoff Drilling Co. Drillers: J. Speaker C. Adams 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. 44-11Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

6-28-58

11

(SECTION OR LEASE)

T25N

R12W

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
6-15 to 6-18	5035	TD	Ran Gamma Ray - collar log, stopped at 4868'. Cleaned out with bailer to 5010'. Ran Gamma Ray log. Perforating gun stopped at 4860'. Ran 3 3/4" bit in tubing, cleaned out from 4860 to 5025'. Perforated four 1/2" bullet holes/ft. 4961-4976 and 4980-4992, perforating gun stopped at 3717'. Perforated with 3 1/8" jet gun 4887-4911, 4916-4924'.
6-19			Ran tubing to 5010', spotted 200 gallons mud acid on perforations.
6-21			Ran Gamma Ray Log. <u>Sand Oil fracture treatment #1</u> . Broke down fromation at 1300 psi. Injected 50,000 gallons crude and 50,000# sand treated with 50 MC Iridium 192, + 200 nylon core balls resulting in the following pressure increases, from 2200 to 3000 psi: Maximum pressure 3000 psi, Minimum pressure 2200 psi, average rate 31 bbl/min. Flushed with 160 bbls. crude.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

SHELL OIL COMPANY

Carson Unit 44-11

Bist1

DRILLING REPORT

FOR PERIOD ENDING

6-28-58

11

(FIELD)
San Juan, New Mexico

(COUNTY)

(SECTION OR LEASE)
T25N R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
6-22			Vacuum in casing 16 hrs. after frac treatment. Ran tracer log, found sand fill at 4909, logged from 4909 to 3600'.
6-24			Gleaned out frac sand from 4909 to 5020'. Landed tubing at 4935. Swabbed 70 bbls. - well began flowing.
6-25			Swabbed and flowed 17 hours, 596 bbls. frac oil
6-26			Flowed 12 hours - 512 bbls. frac oil
6-27 to 6-28			Flowed and recovered all load and frac oil, 1460 bbls.
			INITIAL PRODUCTION Flowing 585 B/D gross, 584 B/D clean cut 0.1%, 222 MCF/D, GOR 380, 64/64" bean, TP 220, CP 785 Completed 6-28-58

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 1/4"	0	125	8 5/8"	109'
7 7/8"	125	5035	4 1/2"	5031'
DRILL PIPE SIZES				
4-1/2				