

U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 078067
LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, N.M.
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico
Well No. 43-14 Sec. 14 T. 25N R. 12W Meridian NMPM County San Juan
Location 1980 ft. {N.} of S Line and 660 ft. {E.} of E Line of Section 14 Elevation 6414. 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 March 3, 1958 Title Exploitation Engineer
Original signed by
B. W. SHEPARD

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

Commenced drilling January 10 1958 Finished drilling January 16 1958

OIL OR GAS SANDS OR ZONES

(gross) (Denote gas by G)

No. 1, from 4874 to 4989 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"	103	100	Displacement	-	-
4-1/2"	5023	150	" "	-	-

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 5025 feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

March 3, 1958 Put to producing February 28, 1958

The production for the first 24 hours was 120 barrels of fluid of which 99.9% was oil; -----% emulsion; -----% water; and 0.1% sediment. Gravity, ~~38~~ 39° API (Approx)

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

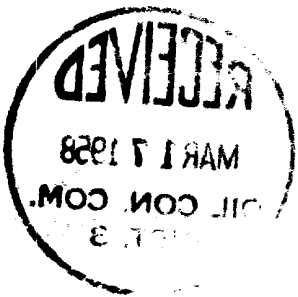
Rock pressure, lbs. per sq. in. -----

EMPLOYEES Brinkerhoff Drilling Co.

C. Adams, Driller	E. Babcock, Driller
W. Black, Driller, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1258	1419	161	Pictured Cliffs
1419	1594	175	Lewis
1594	2083	489	Cliff House
2083	3679	1596	Allison - Menefee
3679	3872	193	Point Lookout
3872	4778	906	Mancos
4778	-	-	Gallup



B. W. BHEARD
Original signed by

Attached: Drilling History

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

SHELL OIL COMPANY

Carson Unit
WELL NO. 43-14

Bisti

DRILLING REPORT

FOR PERIOD ENDING

14

(FIELD)
San Juan County, New Mexico
(COUNTY)

1-16-58

(SECTION OR LEASE)
T 25N R12W
(TOWNSHIP OR RANGHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Location: 1980' N and 660' W of SE Corner, Section 14, T25N, R12W, N.M.P.M., San Juan County, New Mexico.
			Elevations: DF 6414.90' GR 6406.55' KB 6416.10'
1-10	0	2359	Spudded 4:00 P.M. 1-10-58. Ran and cemented (93') 8-5/8", 24#, J-55, Nat'l casing at 103' 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.
1-11 To 1-15	2359	5000	Drilled 2641'.
1-16	5000	5025	Drilled 25'. Ran Electrical Survey and Microlog. Ran and cemented (5013') 4-1/2", 9.5# casing at 5023' with 150 sacks cement treated with 4% gel. Displaced with oil. Released rig 9:00 P. M. 1-16-58.
			Checked BOP daily Mud Summary wt 9.3-9.7#/gal vis 41-130 sec WL 5.1 - 6.2 cc FC 1/32"

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

Contractor: Brinkerhoff Drilling Company
Drillers: C. Adams
W. Black
E. Babcock

R. D. Allen

SHELL OIL COMPANY

Carson Unit

WELL NO. 43-14

Bisti

DRILLING REPORT

FOR PERIOD ENDING

2-28-5814

(SECTION OR LEASE)

(FIELD)
San Juan, New Mexico
(COUNTY)

T. 25N R. 12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
2-4	5025	TD	Ran Gamma Ray - collar log. Bullet perforated four 1/2" holes/ft. 4874-99, 4911-16, 4945-68, 4973-89'.
2-8			<u>Sand Oil Fracture treatment #1</u> . Broke down formation at 1700 psi. Injected 50,000 gal. crude oil with 1#/gal. sand and 130 nylon core balls, after dropping 100 balls pressure increased from 2750 to 3100 psi and broke back to 2900 psi. Dropped 30 balls pressure increased to 3200 psi and broke back to 2900 psi. Displaced and overflushed with 160 bbls. crude. Maximum pressure 3200 psi. Minimum pressure 2700 psi. Average rate 34.3 bbls/min.
2-9 To 2-27			Swabbed 11 hours, well began to flow. Flowed well and recovered all load and frac oil, 1510 bbls.
2-28			INITIAL PRODUCTION Flowing 120 B/D gross, 120 B/D clean cut 0.1%, Gas 72 Mcf/d, GOR 600, 64/64" bean, TP 90, Completed 2-28-58

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	103	8-5/8"	103
7-7/8"	103	5025'	4-1/2"	5023
DRILL PIPE SIZES				
4-1/2"				

E. B. Johnstone

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