

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 S. Behrend, Farmington, N.M.
Lessor or Tract Federal Field Bisti State New Mexico
Carson Unit
Well No. 21-23 Sec. 23 T. 25N R. 12W Meridian NMPM County San Juan
Location 660 ft. N of N Line and 1977.77 E of W Line of Sec. 23 Elevation 6410.5 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 DW 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 October 4-----, 1957 Finished drilling October 12-----, 1957

OIL OR GAS SANDS OR ZONES

(Gross)

(Denote gas by G)

No. 1, from 4874 to 4957 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. 2, from _____ to _____

No. 3, from **None** to _____

No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	28	8	-	109	Baker	-	1874	1957	Surface Production (Gross)
4-1/2"	9.5	8	-	1972	Baker	-			
				HIPLOX					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	109	85	Displacement	"	"
4-1/2"	4977	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 4980 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 12	19	57	Put to producing	October 25	19	57
The production for the first 24 hours was	322		barrels of fluid of which	99.9	%	was oil; ----- %
emulsion; ----- % water; and	0.1	%	sediment.	Gravity, °Bé.		
If gas well, cu. ft. per 24 hours			Gallons gasoline per 1,000 cu. ft. of gas	Approx. 39°	API	
Rock pressure, lbs. per sq. in.						

EMPLOYEES

M. D. Schilze	Driller	Brinkhoff Drilling Company	Driller
G. M. Benton	Driller	R. C. Cary	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1178	1388	207	Pictured Cliffs
1385	1565	180	Lewis
1565	2092	527	Cliff House
2092	3657	1565	Allison-Menefee
3657	3833	176	Point Lookout
3833	4743	910	Mancos
4743	-	-	Gallup

SHELL OIL COMPANY

Carson Unit

WELL NO. 21-23

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

10-12-57

23

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
10-4 to 10-5	0 0	1812	<u>Location:</u> 660' S and 1977.7' E of NW Corner, Section 23, T25N, R12W, NMPM, San Juan County, New Mexico. <u>Elevations:</u> DF 6409.3' GR 6402.1' KB 6410.5' Spudded 2:30 P.M. 10-4-57. Ran and cemented (3 jts.) 8-5/8", 28#, J-55 casing at 109', with 85 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 500 psi. O.K.
10-6 to 10-10	1812	4835	<u>Drilled 3023'.</u>
10-11 to 10-12	4835	4980	<u>Drilled 145'.</u> Ran Electrical Survey and Microlog. Ran and cemented 4-1/2", 9.5# casing at 4977' with 150 sacks cement treated with 4% gel, displaced with oil. Released rig 10:00 A.M. 10-12-57. Checked BOP daily. Mud Summary: Wt. 9.1-9.8#/gal. vis. 55-90 sec. WL 5.8-6 cc. FC 2/32 Contractor: Brinkerhoff Drilling Company #2 Drillers: M. D. Schulze G. M. Benton R. C. Cary

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

DRILL PIPE SIZES



R. D. Allen

SHELL OIL COMPANY

Carson Unit

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(FIELD)

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(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

10-12-57

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(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
10-15	4980	TD	Moved in pulling unit.
10-16			Perforated four 1/2" bullet holes/ft. 4874-94, 4902-14, 4923-35, 4941-57
10-17			Landed tubing at 4871'. Swabbed 75 bbls. in 8 hours, well began to flow.
10-18 to 10-21			Waited on and moved in test tank
10-22 to 10-25			Flowing <u>INITIAL PRODUCTION</u> Flowing, 322 B/D gross, 322 B/D clean, 0.1% cut, 147 MCF/D gas, GOR 460, 64/64" bean, TP 80, CP 320. Completed 10-26-57.

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	120	8-5/8"	109'
7-7/8"	120	4980	4-1/2"	4977'
DRILL PIPE SIZES			4-1/2"	



F. B. Johnston