

U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER NM 036253
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

DEC 18 1958

GAS WELL

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address 705 Municipal Drive, Farmington, N.M.
Lessor or Tract Federal Field Histi State New Mexico
Well No. 12-16A Sec. 16 T 25N R. 11W Meridian NMPM County San Juan
Location 1977 ft. IN of N Line and 660 ft. E of W Line of Sec. 16 Elevation 6392 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.

Original signed by _____

Date December 8, 1958 Title Exploitation Engineer

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

Commenced drilling October 22, 1953 Finished drilling November 5, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1943 to 1955 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

Size casing	Weight per foot	Threads per inch	VHSC	USC	API	Amo	Drill	Pipe	Cut and pulled from	Perforated		Purpose
										From--	To--	
8 5/8"	24					97	Baker					Surface
12"	9.5					5045	"			4943	1955	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3-5/8"	117	100	Displacement	---	-----
4-3/4"	5055	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

TOOLS USED

Rotary tools were used from -----0----- feet to -----5070----- feet, and from -----~~5070~~----- feet to -----~~5070~~----- feet
Cable tools were used from ----- feet to ----- feet, and from ----- feet to -----~~5070~~----- feet

DATES

-----, 19--58----- Put to producing -----, 19-----
 December 8, The production for the first 24 hours was ----- barrels of fluid of which 77.8% was oil; -----%
 emulsion; -----% water; and 0.2% sediment. Gravity, °Bé. xxx Approx. 40° API
 If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----
 Rock pressure, lbs. per sq. in. -----

EMPLOYEES

-----, Driller	Brinkerhoff Drilling Co., Driller
D. Adams	J. Speaker
-----, Driller	-----, Driller
E. Hancock	

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1283	1437	154	Pictured Cliffs
1437	1632	195	Lewis
1632	2084	452	Cliff House
2084	3725	1641	Allison - Menefee
3725	3904	179	Point Lookout
3904	4825	921	Mancos
4825	---	---	Gallup

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DRILLING REPORT FOR PERIOD ENDING

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

11-6-58

16

(SECTION OR LEASE)

T25N R11W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Location: 1977' S and 660' E of NW corner Sec. 16, T25N, R11W, NMPM, San Juan County, New Mexico.
			Elevations: DF 6398.1 GR 6390.4 KB 6399.3
10-29 to 10-30	0	2111	Spudded 2:30 P.M. 10-30-58. Ran and cemented (97') 8 5/8", 24#, J-55 casing at 117' 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 500 psi, OK.
10-31 to 11-4	2111	4861	<u>Drilled 2750'.</u>
11-5	4861	5070	<u>Drilled 209'.</u> Ran Electrical Survey and Microlog.
11-6	5070	TD	Ran and cemented (5045') 4 1/2", 9.5#, J-55 casing at 5055' with 150 sacks cement treated with 4% gel, displaced with oil. Final pressure 1800 psi, released rig 9:30 A.M. 11-6-58
			Checked BOP Daily.
			Mud Summary Wt. 9.4-9.8 #/gal. Vis. 45-70 Sec. WL 7-7.8 cc FC 2/32"
			Contractor: Brinkerhoff Drilling Co. Drillers: C. Adams E. Babcock J. Speaker
			Co. Pusher: R. I. Alberts

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

C. Bremer

SIGNED

SHELL OIL COMPANY

Gov't

WELL NO. 12-16A

DRILLING REPORT
FOR PERIOD ENDING

11-23-58

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

16

(SECTION OR LEASE)

T25N R11W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
11-8	5070	TD	Perforated four $\frac{1}{2}$ " holes /ft. 4943 to 4955. Ran tubing with pressure bomb, packer at 4914. Made 12 hour pressure survey.
			Spotted 200 gal. mud acid on perforations. Sand oil fractured with 50,000 gal. crude, 1#/gal. sand. Broke down formation at 2300 psi. Maximum pressure 2650 psi, minimum pressure 2250, average rate 38.5 bbls /min. Flushed with 160 bbls. crude.
11-9			Bailed well, ran tubing to 4940'. Ran pump and rods.
11-10 to 11-22			Pumped and recovered all load and frac oil, 1503 bbls.
11-23			INITIAL PRODUCTION Pumped 24 hours, 125 B/D gross, 125 B.D clean cut 0.2%, Gas 75 MCF/D, GOR 650, 2" bean, TP 100, CP 450, Completed 11-23-58.

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
NO.	FROM	TO		
120	0	120	8 5/8"	117'
7 1/2"	120	5070	4 1/2"	5055'
DRILL PIPE SIZE 4 1/2"				

C. Bremer