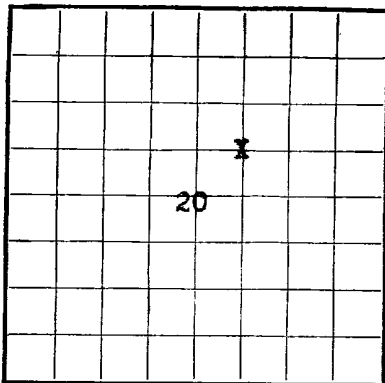


U. S. LAND OFFICE Santa Fe, N.M.

SERIAL NUMBER 14-20-603-1440

LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, N.M.
Lessor or Tract Tribal Lands Field Bisti State New Mexico
Well No. 32-20 Sec. 20 T. 22N R. 11W Meridian NMPM County San Juan
Location 2100 ft. N. of N. Line and 1800 ft. E. of E. Line of Sec. 20 Elevation 4427.8 KB
(Derrick Base 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 J. E. Methuen

Date November, 19, 1957 Title Exploitation Engineer

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

Commenced drilling August 9, 1957 Finished drilling August 17, 1957

OIL OR GAS SANDS OR ZONES

(Gross)

(Denote gas by G)

No. 1, from 4852 to 4966 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"	24#	8	-	177	Baker	-	-	-	Surface
4-1/2"	9.5#	8	-	5005	Baker	-	4852 (Gross)	4966	Production
STROKA OF OIL CK CV2 AREA									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	187	100	Displacement	-	-
4-1/2	5015	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 0 feet to 5020 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

November 19	19 57	Put to producing	September 3	19 57
-------------	-------	------------------	-------------	-------

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity. $\frac{984}{1000}$ -----

If gas well, cu. ft. per 24 hours 1250 Gallons gasoline per 1,000 cu. ft. of gas

Temperature, °F.	125
Pressure, lbs. per sq. in.	180

EMPLOYEES

.....	Driller	Contractor: Brinkerhoff Drig. Co.,	
J. Speaker		Black	Driller
C. C. Adams	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1190	1405	215	Pictured Cliffs
1405	1564	159	Lewis
1564	2027	463	Cliff House
2027	3688	1661	Allison-Menefee
3688	3850	162	Point-Lookout
3850	4753	903	Mancos
4753	-	-	Gallup

SHELL OIL COMPANY

Carson Unit
WELL NO. 32-20

Bisti

DRILLING REPORT

FOR PERIOD ENDING

20

(FIELD)
San Juan, New Mexico
(COUNTY)

8-17-57

(SECTION OR LEASE)
T 25 N, R 11 W
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-9	1700		Location: 2110' S and 1800' W of NE Corner Sec 20, T 25 N, R 11 W, NMPM, San Juan County, New Mexico Elevations: DF 6428.6 QR 6429.1 KB 6429.8 Spudded 11:30 AM 8-9-57. Ran and cemented (177') 8 5/8", 24#, J-55 casing at 187' 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.
8-11 to 8-15	1700	4993	<u>Drilled 3293'</u>
8-16	4993	5020	<u>Drilled 27'</u>. Ran Electrical Survey and Microlog. Ran and cemented (5005') 4 1/2", 9.5# casing at 5015' with 150 sacks cement treated with 4% gel. Displaced with oil. Released Rig 12:30 AM 8-17-57. Checked BOP daily Mud Summary Wt 9.3-9.6 #/gal Vis 40-150 sec WL 6-7.6 FC 1-2/32"

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

Contractor: Brinkerhoff Drilling Co.
 Drillers: C. C. Adams
 J. Speaker
 Black


 R. D. ALLEN

SHELL OIL COMPANY

Carson Unit 32-20
WELL NO.DRILLING REPORT
FOR PERIOD ENDING

(FIRST)

20

(SECTION OR LEASE)

T 25 N, R 11 W

(TOWNSHIP OR RANGHO)

(COUNTY)

No. 15

DAY	DEPTH		REMARKS
	FROM	TO	
		10	Worked on work pulling unit. Performed four 1/2" bullet holes/ft 4852-90, 4882-90, 4925-90, 4937-47, 4970-90. Run wire to 4335'. Flowed to surface rate 160 B/D, no out or gas measurement Flowed 10 hours 50 B/D rate, TP 120 Flowed 24 hours 25 B/D rate, 6 1/2" bean, TP 120, CP 320 Flowed 24 hours, 5 B/D rate, 6 1/2" bean, TP 130 MULTIPLE PRODUCTION Flowing 2 B/D gross, 1200 MCF/D gas, 6 1/2" bean, TP 180, CP 330. Completed 4-2-50.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
			8" 1/2"	1200
			8" 1/2"	1200
DRILL PIPE SIZES				

R. P. JOHNSTONE