

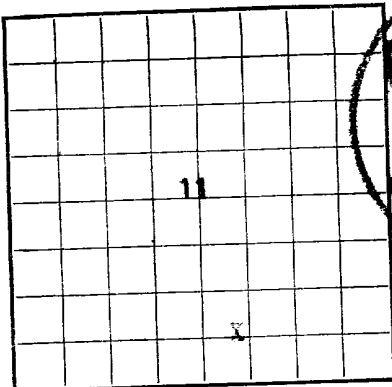
U. S. LAND OFFICE Santa Fe, New Mex.SERIAL NUMBER SF 078067

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P.O. Box 158 Farmington, New Mex.Lessor or Tract Federal - Carson Unit Field Disti State New MexicoWell No. 34-11 Sec. 11 T. 25N R. 12W Meridian NMPM County San JuanLocation 660 ft. N. of S Line and 1980 ft. E. of E Line of Section 11 Elevation 6389 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

Title Exploitation EngineerDate October 6, 1959

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

Commenced drilling September 1, 1959 Finished drilling September 7, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4884 (gross) to 4997 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	Make	Amount	Kind of liner	Casing pulled from	Perforated		Purpose
							From	To	
8-5/8"	109			150	Displacement				
4-1/2"	5027			100	Displacement				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	109	150	Displacement	---	---
4-1/2"	5027	100	Displacement	---	---

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
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 Company, Driller
J. Speaker, Driller E. Babcock, Driller
C. Adams

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1214	1427	213	Pictured Cliffs
1427	1600	173	Lewis
1600	2058	458	Cliff House
2058	3721	1663	Allison - Menefee
3721	3887	166	Point Lookout
3887	4795	908	Mancos
4795	—	—	Callup

FORMATION RECORD—Continued

SHELL OIL COMPANY

Carson Unit
WELL NO. 34-11

DRILLING REPORT
FOR PERIOD ENDING

Bisti

(FIELD)
San Juan, New Mexico
(COUNTY)

9-8-59

11
(SECTION OR LEASE)
T. 25 N., R. 12 W.
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Location: 660' N. and 1980' W. of SE Corner, Section 11, T. 25 N., R. 12 W., San Juan County, New Mexico Elevations: DF 6387.6' GR 6380.3' KB 6389.1'
9-1 to 9-2	0	2072	Spudded 2:30 P.M. 9-1-59. Ran and cemented (100') 8-5/8", 24#, J-55 casing at 109' 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 1150 psi, OK.
9-3 to 9-7	2072	5030 (TD)	Drilled 2228'. Ran SP - contact caliper log.
9-8	5030 (TD)		Ran and cemented (5018') 4-1/2", 9.5#, J-55 casing at 5027' with 150 sacks cement treated with 4% gel displaced with crude. Final pressure 2000 psi. Released rig 9:15 A.M. 9-8-59. Checked BOP daily Mud Summary Wt. 9.1-9.8 #/gal Vis. 50-120 Sec WL. 6-10 cc FO. 1-2/32" Contractor: Brinkerhoff Drilling Company Driller: C. Adams J. Speaker E. Babcock Co. Pusher: C. L. Christiansen

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

M. H. M. Barry

SHELL OIL COMPANY

Carson Unit 34-11
WELL NO.

DRILLING REPORT
FOR PERIOD ENDING

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

9-25-59

11
(SECTION OR LEASE)
T. 25 N., R. 12 W.
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
9-9	5030 TD		Moved in completion rig. Ran collar log stopped at 4929'.
9-10			Cleaned out with bailer to 5008'. Perforated four 1/2" jet holes/ft. 4884-88, 4893-4904, 4911-13, 4921-27, 4969-78, 4987-97.
9-11			Spotted 200 gal. mud acid. Sand oil fractured with 50,000 gal. crude, 1#/gal. sand. Maximum pressure 2500 psi, minimum pressure 1750 psi average rate 28 bbls/min. Pressure up to 3800 psi when first 70 balls were dropped, bled pressure to 600 psi to release balls, dropped 20 more balls in two stages, no noticeable effect in pressure.
9-12			Bailed free sand from 4025 to 5012. Ran tubing to 4890'.
9-13			Ran rods and installed pump.
9-14 to 9-24			Pumped and recovered all load and frac oil, 1563 bbls.
9-25			INITIAL PRODUCTION Pumping 81 B/D gross, 81 B/D oil cut 0.1%, Gas 121 MCF/D, GOR 1500. Completed 9-25-59.

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	115	8-5/8"	109'
7-7/8"	115	5030	4-1/2"	5027'
DRILL PIPE SIZES				
4-1/2"				

M. W. McGarry
M. W. McGarry

SIGNED