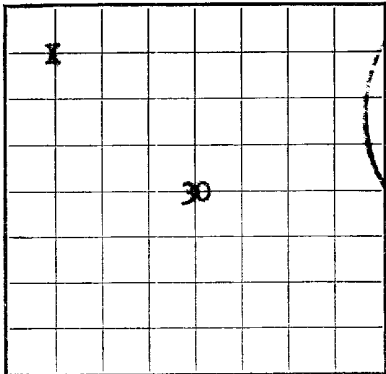
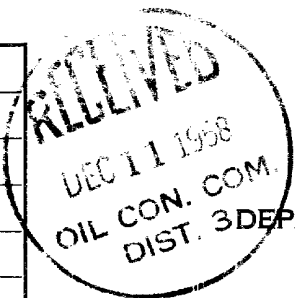




LOCATE WELL CORRECTLY



U. S. LAND OFFICE
SERIAL NUMBER ST 078063
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 Municipal Drive, Farmington, N.M.
Lessor or Tract Federal-Carson Unit Field Bisti State New Mexico
Well No. 11-30 Sec. 30 T. 25N R. 11W Meridian NMPM County San Juan
Location 660 ft. 1/4 S. of N. Line and 660 ft. 1/4 E. of W. Line of Sec. 30 Elevation 6469 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 E. W. SHEPARD Original signed by

Date October 29, 1958 Title Exploitation Engineer

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

Commenced drilling September 26, 1958 Finished drilling October 3, 1958

OIL OR GAS SANDS OR ZONES

(gross) (Denote gas by G)
No. 1, from 4834 to 4947 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 tool	Out and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8"</u>	<u>24</u>	<u>8</u>	<u>Nat'l</u>	<u>93'</u>	<u>Baker</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Surface Production</u>
<u>4-1/2"</u>	<u>9.5</u>	<u>---</u>	<u>---</u>	<u>4945</u>	<u>"</u>	<u>---</u>	<u>4834</u>	<u>4947</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>103</u>	<u>100</u>	<u>Displacement</u>	<u>---</u>	<u>---</u>
<u>4-1/2"</u>	<u>4955</u>	<u>150</u>			

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 4960 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 29, 1958 Put to producing October 19, 1958
The production for the first 24 hours was 280 barrels of fluid of which 99.9 % was oil; _____ % emulsion; _____ % water; and 0.1 % sediment. Gravity, 84. 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

J. Speaker, Driller Brinkerhoff Drilling Company
E. Babcock, Driller C. Adams, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1273</u>	<u>1388</u>	<u>115</u>	<u>Pictured Cliffs</u>
<u>1388</u>	<u>1568</u>	<u>180</u>	<u>Lewis</u>
<u>1568</u>	<u>2195</u>	<u>627</u>	<u>Cliff House</u>
<u>2195</u>	<u>3635</u>	<u>1440</u>	<u>Allison-Menefee</u>
<u>3635</u>	<u>3832</u>	<u>197</u>	<u>Point Lookout</u>
<u>3832</u>	<u>4733</u>	<u>901</u>	<u>Mancos</u>
<u>4733</u>	<u>---</u>	<u>---</u>	<u>Gallup</u>

HISTORY OF OIL OR GAS WELL

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 balling.

Attached: Drilling History

7d Sample Length
0.1300 0.1300 0.1300

Bisti

DRILLING REPORT

FOR PERIOD ENDING

30

(FIELD)

(SECTION OR LEASE)

San Juan, New Mexico

10-3-58

T25N, R11W

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<u>Location:</u> 660'S and 660'E of NW Corner, Sec. 30, T25N, R11W, NMPM, San Juan County, New Mexico <u>Elevations:</u> GR 6461.6 KB 6471.1 DF 6469.1
9-26 to 9-27	0	2460	Spudded 8:30 A.M. 9-26-58. Ran and cemented (93') 8-5/8", 24#, J-55 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 500 psi, OK.
9-28 to 10-1	2460	4831	<u>Drilled 2371'</u> .
10-2 to 10-3	4831	4960	<u>Drilled 129'</u>. Ran Electrical Survey and Microlog. Ran and cemented (4945') 4-1/2", 9.5# casing at 4955' with 150 sacks cement treated with 4% gel. Displaced with oil, final pressure 1800 psi. Released rig 3:00 A.M. 10-3-58. Checked BOP daily Mud Summary Wt. 9.8#/gal. vis. 50-65 sec. WL 5.8-8 cc FC 2/32" Contractor Brinkerhoff Drilling Company Drillers J. Speaker C. Adams E. Babcock Company Tool Pusher: R. I. Alberts
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
DRILL PIPE SIZES			

C. Bremer

SIGNED

DRILLING REPORT FOR PERIOD ENDING

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

10-3-58

30

(SECTION OR LEASE)

T25N R11W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
10-3	4960	TD	Bullet perforated four 1/2" holes/ft. 4334-4849, 4861-4870, 4873-4877, 4879-4889, 4893-4906, 4916-4928, 4933-4947'.
10-4			Ran tubing to 4942'. Packer at 4801', made 12 hour pressure survey.
10-5			Spotted 200 gal mud acid. Sand oil fractured well with 50,000 gal oil, 1#/gal sand (150 nylon core balls). (Broke down formation at 1500 psi) Ball had no effect on pressure. Maximum pressure 2550 psi, minimum pressure 2500 psi. Injection rate 40.3 bbl/min. Flushed with 160 bbls. crude.
10-6 to 10-18			Installed pump, recovered all load and frac oil, 1549 bbls.
10-19			INITIAL PRODUCTION Pumped (24 hrs.) 280 B/D gross, 280 B/D clean, cut 0.1%, 55 MCF/D, GOR 290, Completed 10-19-58.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4	0	115	8-5/8"	103'
7-7/8"	115	4960	4-1/2"	4955'
DRILL PIPE SIZES 4-1/2"				

C. Bremer

SIGNED