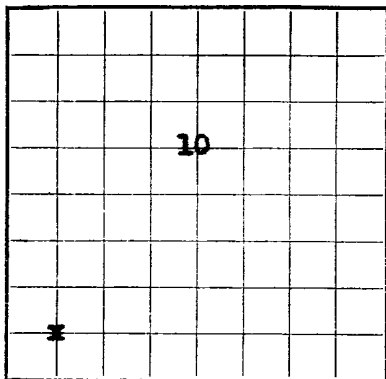
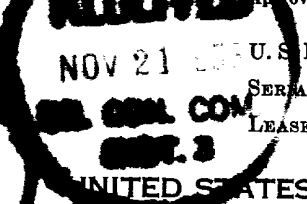
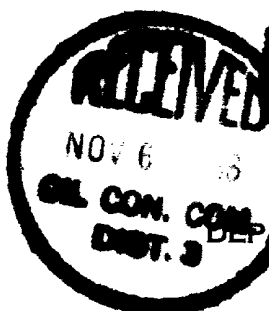




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe, New Mex.

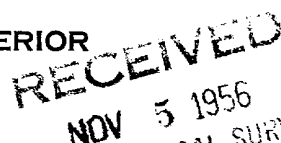
SERIAL NUMBER SF 078066

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 33 Richards Street, Salt Lake City, Ut.Lessor or Tract Federal Field Bisti State New MexicoWell No. 14-10 Sec. 10 T 25 N. R 12 W. Meridian N. M. P. M. County San JuanLocation 660 ft. N. of S. Line and 600 ft. E. of W. Line of Section 10 Elevation 6246 K.B.
(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 B. W. ShepardDate September 16, 1956 Title Exploitation Engineer

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

Commenced drilling August 20, 1956 Finished drilling August 30, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4775 to 4797 No. 4, from _____ to _____No. 2, from 4849 to 4859 No. 5, from _____ to _____No. 3, from 4865 to 4878 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from None noted to _____

No. 2, from _____ 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	32	8		227	Ball				Surface
5 1/2	19	8		4918	Ball		4775	4797	Production
							4849	4859	
							4865	4878	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	227	100	Displacement		
5 1/2	4918	200	Displacement		

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length Cleaned out to Depth set 4887

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 4925 feet, and from _____ feet to _____ feet

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

2 3/8" tubing with Lane Wells BOCL

packer @ 4713'.

DATES

Put to producing September 16, 1956The production for the first 24 hours was 234 barrels of fluid of which 99.6 % was oil; _____ %emulsion; _____ % water; and 0.4 % sediment. Gravity 37.2 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

H. H. Owens, Driller J. Baggs, DrillerJ. F. Mc Gee, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
336	1086	750	Kirtland
1086	1302	216	Pictured Cliffs
1302	1478	176	Lewis
1478	2022	544	Cliff House
2022	3566	1544	Allison-Menefee
3566	3741	175	Point Lookout
3741	4674	933	Mancos
4674			Gallup

(OVER)

16-43094-4

FORMATION RECORD - CONTINUED

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

100 OF 110

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming small squares across the page. There are approximately 20 columns and 20 rows of squares. The lines are thin and dark, set against a light background. The edges of the paper are slightly irregular, suggesting it might be a scan of a physical document.[illegible]

_____ (Print Name) _____ (Print Name)

(D. 1920-1921)

to	from 4.0%	to	from 1.0%
to	from 5.0%	to	from 2.0%
to	from 8.0%	to	from 3.0%

to ... from ...	to ... from ...
to ... from ...	to ... from ...

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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 pulling.

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

DRILLING REPORT FOR PERIOD ENDING

Bisti

(FIELD)

Sec. 10

(SECTION OR LEASE)

San Juan, New Mexico

(COUNTY)

September 1, 1956

T. 25N., R. 12W.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
56			
			Location: 660 N. and 660 E. of SW corner, Section 10, T. 25 N., R. 12W., N.M.P.M., San Juan County, New Mexico. Elevations: DF 6244.44' MAT 6236.94' KB 6245.89'
8-21	0	249	Drilled 249. Spudded 10:30 P.M., 8-20-56. Ran and cemented 5 joints 5 5/8", 32#, J-55 casing at 227' with 100 sacks construction cement treated with 2% calcium chloride; finished 12:45 P.M., 8-22-56. Good cement returns to surface. Flanged up. Pressure tested blow-out equipment and casing with 1000 psi for 30 minutes, O.K.
8-22	249	914	
to			
8-24		2426	Drilled 2177'. Drilling with water.
8-25	2426	3414	Drilled 988'. Mixed mud, oil, trimulso, gel and driscose.
8-26			
to			
8-29	3414	4803	Drilled 1389'. Treated mud with driscose, oil, trimulso, gel, caustic, tanner.
8-30	4803	4925	Drilled 122'. Strapped out of hole (no correction). Ran Electrical Survey. Treated mud with Trimulso, tannex, caustic and oil.
8-31	4925	T.D.	Attempted to run microlog stopped at 2500'. Circulated. Reran sonde, stopped at 4370'. Conditioned mud. Ran microlog.
9-1			Ran and cemented 5 1/2", 11#, J-55 casing at 4918 with 200 sacks construction cement. Scratchalizers at 4730, 4810 and 4850'. Finished 9:00 P.M., 9-1-56. Flanged up.

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



J. R. Ankiam

SIGNED



DRILLING REPORT

FOR PERIOD ENDING

WELL NO. 11-10

Sec. 10

(SECTION OR LEASE)

T. 25N., R. 12W.

(TOWNSHIP OR RANCHO)

51st

(FIELD)

San Juan, New Mexico

(COUNTY)

September 8, 1956

DAY	DEPTHS		REMARKS
	FROM	TO	
56			
9-2			Cleaned out to 4887'. Displaced water with oil. Ran Gamma Ray log with collar locator. Ran McCullough perforating jet strip. Perforated. Left (80') strip in hole. Waited 1½ hrs. on fishing tools. Ran 2 prong grab, no success. Top of fish 4783'. Ran wash over pipe.
9-3	4925 4887	T.D. PBTD	Washed over and pushed fish 4783 to 4818. Pulled and reran wash over shoe and washed over and pushed perforating strip from 4818 to 4885. (Recovered approximately 30' of strip)
9-4			Ran in with bit and milled on junk. Cleaned out to 4882'. Circulated junk out of hole. Ran McCullough and reperforated with four ½" jets at intervals 4775 - 4797, 4849 - 4859 and 4865 - 4878. Ran Lane Wells ROCL packer on 2 3/8" tubing set at 4713'. Flanged up tubing. Released rig 8:00 P.M., 9-4-56.
9-8			Initial Production: Flowing. 234 B/D gross. 233 B/D clean, cut 0.4%, 48/60" bean. gravity 37.2° API.
Checked Blowout equipment daily. and Summary 8-26-56/9-2-56 Wt. 9.5 - 9.8#/gal. Vis. 38-50 sec W.L. 6-7.6 cc F.C. 2/32 in. Contractor H.B. Lynn Drillers H.H. Owens J.F. McGee J. Boggs			

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11	0	217	8 5/8"	227
7 7/8	217	4925	5 1/2"	4918
DRILL PIPE SIZES				
1 1/2				

J. R. Anklem

SIGNED