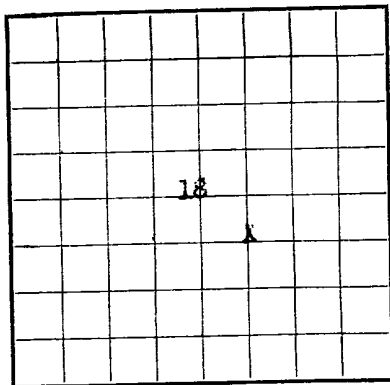




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSanta Fe, N.M.
U. S. LAND OFFICE
SERIAL NUMBER **SP073062**
LEASE OR PERMIT TO PROSPECT

RECEIVED

JUL 3 1959
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 West Municipal Drive, Farmington, N.M.
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico
Well No. 32-18 Sec. 18 T. 25 N. R. 11W Meridian NMPM County San Juan
Location 1930 ft. N. of S. Line and 1980 ft. E. of E. Line of Sec. 18 Elevation 6416 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 R. S. Mac ALISTER, JR.
Date June 17, 1959 Title Division Exploitation Engineer

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

Commenced drilling May 6, 1959 Finished drilling May 12, 1959

OIL OR GAS SANDS OR ZONES

(gross) (Denote gas by G)
No. 1, from 4899 to 5018 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	Run in	Out	Perforated	Purpose
							From— To—	
HISTORY OF OIL OR GAS WELL								

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>109</u>	<u>100</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>
<u>4 1/2"</u>	<u>5045</u>	<u>150</u>	<u>"</u>	<u>-</u>	<u>-</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 _____ 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. 236 Gravity, °Bé. 99.9
If gas well, cu. ft. per 24 hours 0.1 Gallons gasoline per 1,000 cu. ft. of gas 40° API (approx.)
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1236</u>	<u>1438</u>	<u>202</u>	<u>Pictured Cliffs</u>
<u>1438</u>	<u>1600</u>	<u>162</u>	<u>Lewis</u>
<u>1600</u>	<u>2050</u>	<u>450</u>	<u>Cliff House</u>
<u>2050</u>	<u>3725</u>	<u>1675</u>	<u>Allison - Menefee</u>
<u>3725</u>	<u>3883</u>	<u>158</u>	<u>Point Lookout</u>
<u>3883</u>	<u>4798</u>	<u>915</u>	<u>Nancos</u>
<u>4798</u>	<u>-</u>	<u>-</u>	<u>Gallup</u>

FORMATION RECORD—CONTINUED

Approval expires 12-31-69.
Budget Bureau No. 42-15355-4.

 LEASE OR PERMIT TO PROSPECT

 SERIAL NUMBER

 U. S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. The lines are thin and black, set against a white background. There is no text or other markings on the page.

The information given betwixt 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 _____
R. S. Mac ALLISTER JR.

Location _____ ft. S. _____ ft. N. _____ of _____ Line and _____ ft. W. _____ ft. E. _____ of _____ Line of _____ Elevation _____
Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____
Lessor or Tract _____ Field _____ State _____
Company _____ Address _____

Commenced drilling _____, 19____ Finished drilling _____, 19____
The summary on this page is for the condition of the well at above date.

Oil or Gas Sands or Zones

(D) 2000

No. 1, from	to	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 3, from	to	No. 6, from	to

IMPORTANT WATER SANDS

----- of ----- morit , & oN ----- of ----- morit , & oN
----- of ----- morit , & oN ----- of ----- morit , & oN

CASING RECORD

HISTORY OF OIL OR GAS WELL		ATTACHED: Drilling history		Perforated		Purpose
Core	Drilling history	Core	Drilling history	From	To	
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, 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 bailing.						

BUILDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Adaptation - Material	Size	Length	Depth set
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SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE

It was well on the 24 hours	emulsion; and	% segment	19
The production for the first 24 hours was	bars of fluid of which	% was oil:	19
Put to producing			

EMPLOYEES

Driller		
Driller		

FORMATION RECORD

[illegible]

FORMATION RECORD—Continued

Bisti

DRILLING REPORT
 FOR PERIOD ENDING

5-13-59

18

(FIELD)
 San Juan, New Mexico
 (COUNTY)

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

DAY	DEPTHS		REMARKS
	FROM	TO	
5-6 to 5-7	0	2365	Location: 1930' N and 1980' W of SE Corner, Section 18, T 25 N, R 11 W, N.M.P.M., San Juan County, New Mexico Elevations: DF 6414.7' GR 6406.7' KB 6415.9' Spudded 1:00 P.M. 5-6-59. Ran and cemented (100') 8-5/8" 24# J-55 casing at 109' with 100 sacks cement treated with 2% calcium chloride. Flanged up and waited on cement pressure tested casing and BOP with 700 psi., O.K.
5-8 to 5-11	2365	4835	<u>Drilled 2470'</u>
5-12 to 5-13	4835	5050 (TD)	<u>Drilled 215'</u> . Ran Electrical Survey and Microlog. Ran and cemented (5036') 4-1/2", 9.5#, J-55 casing at 5045' with 150 sacks cement treated with 4% gel. Displaced with oil, final pressure 1600 psi. Released rig 11:15 A.M. 5-13-59. Checked BOP daily Mud Summary Wt. 9.5-9.8#/gal. vis. 60 sec. WL 7 cc. FC 2/32"
			Contractor: Brinkerhoff Drlg. Co. Drillers: C. 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			

M. W. McGarry

mm

SIGNED

SHELL OIL COMPANY

Carson Unit WELL NO. 33-18

Bisti

DRILLING REPORT

FOR PERIOD ENDING

18

(FIELD)
 San Juan, New Mexico

5-27-59

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

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
5-14 to 5-15	5050 TD		Bullet perforated four 1/2" holes/ft. 4899-4919, 4928-4940, 4969-4975, 4982-4997, and 5001-5018. Gun stuck when shooting interval 4987-4997. Ran tubing recovered gun.
5-15			Ran 2-3/8" tubing to 4894', packer 4865', Otis nipple at 4847', made pressure survey.
5-17			Spotted 200 gal. mud acid. Sand oil fractured with 50,000 gal. crude, 1#/gal. sand and 152 balls. Minimum pressure 2550 psi., maximum pressure 2650 psi., average rate 38 bbls./min.
5-18			Cleaned out frac sand 4940-4980. Ran 2-3/8" tubing to 4877'. Ran pump and rods.
5-19 to 5-26			Pumped and produced all load and frac oil, 1615 bbls.
5-27			INITIAL PRODUCTION Pumping 236 B/D gross, 236 B/D clean, cut 0.1%, gas 463 MCF/D, GOR 1960, (Based on 148 bbls. in 15 hrs.) Completed 5-27-59.

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	5050	4-1/2"	5045'
DRILL PIPE SIZES 4-1/2"				

E. B. Johnstone

SIGNED