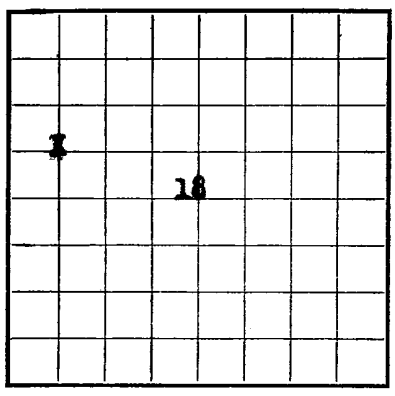
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Santa Fe, N. M.
Serial Number 14-20-603-1284
Lease or Permit to Prospect ----

RECEIVED
APR 30 1958
U.S. GEOL. SURV.
FARM. DIST. 3



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, New Mexico
Lessor or Tract Allotted - Carson Unit Field Bisti State New Mexico
Well No. 12-18 Sec. 18 T. 25N R. 11W Meridian N.M.P.M. County San Juan
Location 2080 ft. {N./S.} of N Line and 660 ft. {E./W.} of W Line of Sec. 18 Elevation 6377' 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 Original signed by R. W. SHEPARD

Date April 7, 1958 Title Exploitation Engineer

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

Commenced drilling March 11, 19 58 Finished drilling March 18, 19 58

OIL OR GAS SANDS OR ZONES

(gross) (*Denote gas by G*)

No. 1, from 4880 to 4988 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 shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8 5/8"	24#	8	Nat'l.	93	Baker	---	---	---	Surface
4 1/2"	9.5#	8	---	5000	Baker	---	4880 (gross)	4988	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	103	100	Displacement	---	---
4 1/2"	5018	150	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 0 feet to 5020 feet, and from --- feet to --- feet
Cable tools were used from --- feet to --- feet, and from --- feet to --- feet

DATES

April 7, 1958 Put to producing March 31, 1958

The production for the first 24 hours was 270 barrels of fluid of which 99.9 % was oil; ---- % emulsion; ---- % water; and 0.1 % sediment.

Gravity, °Bé. approx. 39° 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

Brinkerhoff Drilling Co.
C. C. Adams, Driller W. F. Black, Driller
E. Babcock, Driller ----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1191	1405	214	Pictured Cliffs
1405	1570	165	Lewis
1570	2037	467	Cliff House
2037	3707	1670	Allison-Menefee
3707	3874	167	Point Lookout
3874	4777	903	Mancos
4777	---	---	Gallup

[OVER]

16—43094-4

FOLD

MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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 bailing.

Attached: Drilling History

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PD 4A — 2-50 PRINTED IN U. S. A.

SHELL OIL COMPANY

DRILLING REPORT
FOR PERIOD ENDING 3-18-58

Carson Unit
WELL NO. 12-18

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

18
(SECTION OR LEASE)
T 25 N, R 11 W
(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			Location: 2080' S and 660' E of NW Corner, Section 18, T25N, R11W, NMPM, San Juan County, New Mexico.
			Elevations: DF 6376.0, GR 6368.0, KB 6377.2
3-11 to 3-12	0	2030	Spudded 3:30 P.M. 3-11-58. Ran and cemented (93') 8-5/8", 24#, J-55, Nat'l. 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 700 psi, OK.
3-13 to 3-17	2030	5020	Drilled 2990'.
3-18	5020	TD	Ran Electrical Survey and Microlog, Ran and cemented (5008') 4-1/2", 9.5# casing at 5018' with 150 sacks cement treated with 4% gel, final pressure 1800 psi. Displaced with oil. Released rig 3:00 P.M. 3-18-58.

Mud Summary

Wt. 9.3 - 9.8 #/gal.
Vis. 39-95 sec.
WL 5.5 - 10 cc
FC 2/32"

Contractor: Brinkerhoff Drilling Co.
Drillers: C. C. Adams
E. Babcock
W. F. Black

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET

DRILL PIPE SIZES

R. D. ALLEN

PD 4A — E-80 PRINTED IN U. S. A.

SHELL OIL COMPANY

Carson Unit
WELL NO. 12-18

DRILLING REPORT
FOR PERIOD ENDING 4-1-58

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

18 (SECTION OR LEASE)
T25N, R11W (TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
3-25	5020	TD	Ran Gamma Ray - collar log. Bullet perforated four 1/2" holes/ft. 4880-4898, 4904-4918, 4947-4954, 4960-4974, 4978-4988. Ran tubing to 4988'.
3-26			Spotted 200 gal. mud acid on perforations. Sand Oil Fracture Treatment #1. Broke down formation at 1800 psi. Injected 15,000 gal. crude oil with 1#/gal. sand, 60 nylon core balls. Injected 4000 gal. crude with 1#/gal. sand, 30 nylon core balls. Injected 11,000 gal. crude with 1#/gal sand, 55 nylon core balls. Injected 3000 gal. crude with 1#/gal. sand, 25 nylon core balls. Flushed and displaced with 160 bbls. crude. Maximum pressure 3400 psi, minimum pressure 2600 psi average rate 36.8 bbls./min.
3-27			Cleaned out frac sand from 4980 to 5015'. Ran tubing to 4877'.
3-28			Swabbed, well started flowing, flowed and recovered all load and frac oil 1420 bbls.
4-1			INITIAL PRODUCTION Flowing, 270 B/D gross, 270 B/D clean, 0.1% cut, 18/64" bean, 667 Mcf/D gas, GOR 2470, TP 940. Completed 3-31-58.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
12-1/4"	0	115	8-5/8"	103'
7-7/8"	115	5020	4-1/2"	5108'

DRILL PIPE SIZES 4-1/2"

E. B. JOHNSTONE
SIGNED