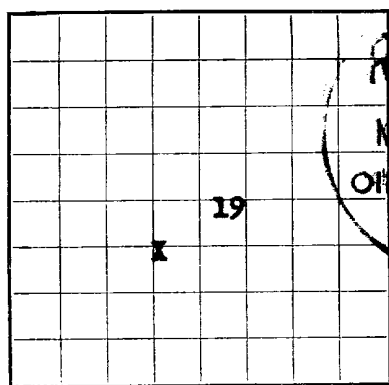


U. S. LAND OFFICE Santa Fe, N. M.
SERIAL NUMBER SE 078063
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

RECEIVED
MAR 18 1959
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAR 17 1959

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 West Municipal Drive, Farmington,
Lessor or Tract Federal-Carson Unit Field Disti State New Mexico
Well No. 23-19 Sec. 19 T. 25N R. 11W Meridian NMPM County San Juan
Location 1980 ft. (N.) of S Line and 1980 ft. (E.) of W Line of Section 19 Elevation 6447 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
B. W. SHEPARD

Date March 3, 1959 Title Exploitation Engineer

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

Commenced drilling December 12, 1959 Finished drilling December 18, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>4842</u> ^{gross} to <u>4955</u>	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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	101	100	Displacement	-	-
4-1/2"	4974	150	"	-	-

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 4975 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

-----**March 3**-----, 19--**59** Put to producing -----**February 5**-----, 19--**59**

The production for the first 24 hours was 17 barrels of fluid of which 99.7% was oil; -----% emulsion; -----% water; and 0.3% sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----

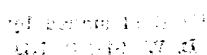
Rock pressure, lbs. per sq. in. -----

EMPLOYEES

EMPLOYEES		Brinkerhoff Drlg. Company	
C. Adams	Driller	J. Speaker	Driller
E. Babcock	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1275	1385	110	Pictured Cliffs
1385	1565	180	Lewis
1565	2080	515	Cliff House
2080	3675	1595	Allison-Menefee
3675	3823	148	Point Lookout
3823	4748	925	Mancos
4748			Gallup



HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

SHELL OIL COMPANY

Carson Unit

WELL NO. 23-19

DRILLING REPORT

FOR PERIOD ENDING

12-19-58

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

19

(SECTION OR LEASE)

T25N R11W

(TOWNSHIP OR RANGHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
12-12	0	2615	<u>Location:</u> 1980'N and 1980'E of SW Corner, Section 19, T25N, R11W, NMPM, San Juan County, New Mexico <u>Elevations:</u> GR 6438.2 DF 6445.9 KB 6447.1 Spudded 9:00 A.M. 12-12-58. Cemented (91') 8-5/8", 24# J-55 casing at 101' with 100 sacks cement. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
12-14 to 12-18	2615	4975	<u>Drilled 2360'</u>. Ran Electrical survey and Microlog.
12-19	4975	TD	Ran and cemented (4964') 4-1/2" 9.5#, J-55 casing at 4974' with 150 sacks cement treated with 4% gel. Displaced with oil. Rig released 6:30 P.M. 12-19-58. Checked BOP daily Mud Summary wt. 9.4 - 9.5#/gal vis. 42 - 70 sec. WL 4.6 - 6 cc FC 1-2/32 Contractor: Brinkerhoff Drilling Company Drillers: J. Speaker C. Adams E. Babcock Company Pusher: R. I. Alberts

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4	0	115	8-5/8"	101'
7-7/8"	115	4975	4-1/2"	4974'
DRILL PIPE SIZES			4-1/2	

M. W. McGarry

SHELL OIL COMPANY

Carson Unit
WELL NO. 23-19

DRILLING REPORT

FOR PERIOD ENDING

2-4-59

Bisti

(FIELD)

San Juan, N. M.

(COUNTY)

19

(SECTION OR LEASE)

T25N R11W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
12-21	4975		Bullet perforated four 1/2" holes 4842-63, 4908-20, 4926-40, 4944-55.
12-23			Spotted 200 gallons mud acid.
12-24			Sand oil fractured with 50,000 gallons crude oil, 1#/gallon sand, 295 nylon core balls. Initial injection pressure 2800 psi, pressure increased from 2700 to 2800 psi after 250 balls, 2800-3000 psi after 255 balls average rate 36 barrels/minute.
12-26			Bailed frac sand from 4932-4975.
12-27			Ran 2" EUE tubing to 4840. Ran pump and rods.
12-28			Installed pumping equipment.
12-29-58 to 2-4-59			Pumped and recovered all load and frac oil, 1449 barrels.
			INITIAL PRODUCTION Pumped 24 hours, 17 barrels gross, 17 barrels clean cut 0.3%, 8 MCF/D, GOR 470. Completed 2-5-59

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

M. W. McGarry