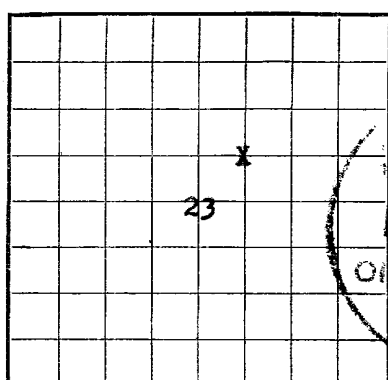


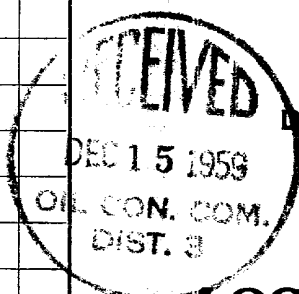
U. S. LAND OFFICE Santa Fe, N.M.

SERIAL NUMBER SF 078067

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P.O. Box 158, Farmington, N.M.
Lessor or Tract Federal - Carson Unit Field Sisti State New Mexico
Well No. 32-23 Sec. 23 T. 25N R. 12W Meridian N.M.P.M. County San Juan
Location 1880 ft. S of N Line and 1880 ft. EW of E Line of Sec. 23 Elevation 6405 KB

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

Date ~~December 3~~ 1959

Title ~~Exploitation Engineer~~

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

Commenced drilling September 9, 1959. Finished drilling September 14, 1959.

OIL OR GAS SANDS OR ZONES

(Denote g as by $\odot$)

(Denote gas by *G*)

GROSS			
No. 1, from	4797	to	4919
No. 2, from		to	
No. 3, from		to	
No. 4, from		to	
No. 5, from		to	
No. 6, from		to	

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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"	108	100	Displacement		
4-1/2"	4983	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 4986 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----, 19 59 Put to producing -----, 19 59
December 3
 The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil: -----

emulsion; ----- % water; and ----- % 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

Brinkerhoff Drilling Co.

_____, Driller

_____, Driller

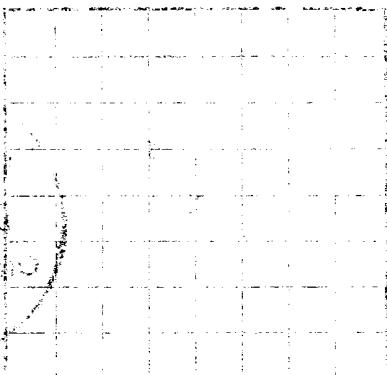
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
1182	1352	170	Pictured Cliffs
1352	1520	168	Lewis
1520	2012	492	Cliff House
2012	3611	1599	Allison - Menefee
3611	3804	193	Point Lookout
3804	4722	918	Mancos
4722	-	-	Gallup

FORN WILSON RECORDS - CONTINUED

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company _____
Address _____
State _____
County _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____

The statement on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
10 _____

OIL OR GAS SANDS OR ZONES

From _____ to _____
No. _____ from _____ to _____
No. _____ from _____ to _____
No. _____ from _____ to _____

IMPORTANT WATER SANDS

No. _____ from _____ to _____
No. _____ from _____ to _____

CASING RECORD

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 detached, for 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. Attached: Drilling History

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
PRODUCTION RECORD			
Barrel	Barrel	Barrel	Barrel
PLUGS AND BRIDGES			
SHOOTING RECORD			
TOOLS USED			
DATES			
EMPLOYEES			
FORMATION RECORD			
FORMATION			

Bisti

DRILLING REPORT

FOR PERIOD ENDING

23

(FIELD)
San Juan New Mexico
(COUNTY)

9-15-59

(SECTION OR LEASE)
T25N R12W
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Locations: 1880' S and 1880' W of NE Corner, Section 23, T25N, R12W, NMFM, San Juan County, New Mexico. Elevations: DF 6403.5' GR 6395.7' KB 6405.0'
9-9 to 9-10	0	2473	Spudded 8:30 A.M., 9-9-59. Ran and cemented (99') 8-5/8", 24#, J-55 casing at 108' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOF with 700 psi, OK.
9-11 to 9-14	2473	4885	<u>Drilled 2412'</u>
9-15	4885	4986 TD	<u>Drilled 101'</u> Ran Micro-SP log. Ran and cemented (4974') 4-1/2", 9.5#, J-55 casing at 4983' with 150 sacks cement treated with 4% gel. Displaced with oil. Held 1800 psi, OK. Released rig 4:00 A.M., 9-15-59. Check BOP daily. Mud Summary wt 9.1-9.7#/gal. vis 48-110 sec. WL 6.2-6.8 cc. FC 1-2/32" Contractor: Brinkerhoff Drilling Co. Drillers: J. Speaker E. Babcock W. Black Company Pusher: C. L. Christiansen

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

M. W. McGarry

SIGNED

Bisti

DRILLING REPORT

FOR PERIOD ENDING

10-16-59

23

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANCHO)

(FIELD)
San Juan New Mexico
(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
9-16	4986 TD		Perforated four 1/2" holes/ft. 4797-4825, 4837-50, 4854-60, 4871-81, 4891-4901, 4909-19.
9-17			Spotted 200 gal. mud acid. Sand oil fractured with 50,000 gal. crude, 1#/gal. sand, 190 balls, 50-100 psi, pressure rises after each of 6 stages. Maximum pressure 2500 psi, average rate 27 bbls./min.
9-18			Bailed 50' frac sand, ran 2-3/8" tubing to 4850', pump and rods.
9-19 to 10-15			Pumped and recovered all load and frac oil, 1526 bbls.
10-16			Initial Production Pumping 37 B/D gross, 36 B/D clean, cut 2.0% gas 61 MCF/D, GOR 1650. Completed 10-16-59.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	115	8-5/8"	108'
7-7/8"	115	4986	4-1/2"	4983'
DRILL PIPE SIZES			4-1/2"	

M. W. McGarry

SIGNED