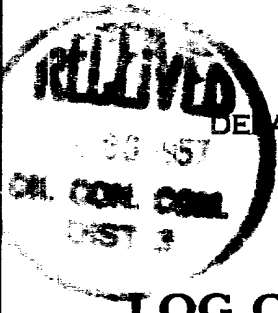


U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 078064
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 25 1957

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address 101 S. Behrend, Farmington, N.M.
Lessor or Tract Federal Field Bisti State New Mexico
Carson Unit
Well No. 43-13 Sec. 13 T. 25N R. 12W Meridian NMPM County San Juan
Location 1980 ft. N of 3 Line and 660 ft. W of E Line of Section 13 Elevation KB 6408
(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 _____
Date July 19, 1957 Title E. W. Shepard
Exploitation Engineer

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

Commenced drilling January 12, 1957 Finished drilling January 27, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4889 to 4994 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS NONE NOTED

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		Purpose
							From—	To—	
8-5/8"	28	8	Spang	221	Baker				
4-1/2"	16.6	8	Spang	5022	Baker		4889	4897	Production
							4900	4914	
							4922	4927	
							4972	4982	
							4990	4994	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	234	150	Displacement	-	-
4-1/2"	5033	200	Displacement	-	-

PLUGS AND ADAPTERS

Cement Material at 4997 Length _____ Depth set _____
Running plug—Material
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			None			

TOOLS USED

Rotary tools were used from 2 feet to 5054 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 19, 1957 Put to producing March 23, 1957

The production for the first 24 hours was 219 barrels of fluid of which 99.8 % was oil; _____ % emulsion; _____ % water; and 0.2 % sediment. Gravity, 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 New Drilling Company

G. L. Rosenbaum, Driller C. E. Phillips, Driller
H. C. Phillips, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1240	1440	200	Pictured Cliffs
1440	1574	134	Lewis
1574	2060	486	Cliff House
2060	3717	1657	Allison-Menefee
3717	3887	170	Point Lookout
3887	4790	903	Mancos
4790	-	-	Callup

(FIELD)

FOR PERIOD ENDING

(SECTION OR LEASE)

San Juan, New Mexico

January 27, 1957

T. 25 N., R. 12 W.

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS															
	FROM	TO																
57																		
			Location: 1980' North and 660' West of Southeast corner, Section 13, T. 25 N., R. 12 W., N.M.P.M., San Juan County, New Mexico. Elevations: DF 6406.38' KB 6408.38' MAT 6396.28'															
1-12 to 1-13	0	277	Drilled 277'. Spudded 12-1/4" surface hole 10:00 P.M. 1-12-57. Ran and cemented 5 joints (221') 8-5/8", 28#, H-40 casing at 234' with 150 sacks treated construction cement. Good cement returns to surface. Finished 11:00 A.M. 1-13-57. Flanged up and waited on cement. Pressure tested casing and blowout equipment with 700 psi for 15 minutes, OK.															
1-14 to 1-15	277	2440	Drilled 2163'. Twisted off at 2190' leaving 7 drill collars and 1 single in hole. Recovered with over-shot.															
1-16 to 1-21	2440	4621	Drilled 2181'. Treated mud with gel, Quebracho, and soda ash.															
1-22 to 1-24	4621	4846	Drilled 255'. Lost 6 drill collars in hole, caught with Bowen Grapple. While pulling, fish became stuck at 2350'. Shot off drill pipe. Ran back in with jar and bumper jar, jarred 6-1/2 hours. Recovered fish. Ran electrical survey and microlog.															
1-25 to 1-27	4846	5054	Drilled 208'. Ran and cemented 84 joints (5022') 4-1/2" 16.60# drill pipe used as casing at 5033' with 200 sacks construction cement. Finished 9:45 P.M. 1-26-57. Pressure tested casing with 1500 psi, OK. Ran 2" tubing to 4963'. Displaced mud with oil. Released rig 10:00 A.M. 1-27-57.															
			Checked BOP daily.															
			<u>Mud Summary</u> Wt 9.6 - 10#/gal Vis 44-63 W.L. 9.8 F.C. 2 - 3/32 pH 8.5															
CONDITION AT BEGINNING OF PERIOD <table border="1"> <thead> <tr> <th colspan="3">HOLE</th> <th>CASING SIZE</th> <th>DEPTH SET</th> </tr> <tr> <th>SIZE</th> <th>FROM</th> <th>TO</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				HOLE			CASING SIZE	DEPTH SET	SIZE	FROM	TO							
HOLE			CASING SIZE	DEPTH SET														
SIZE	FROM	TO																
DRILL PIPE SIZES 4-1/2"																		

The New Drilling Company

Pusher: R. C. Melius
 Drillers: G. L. Rosenbaum
 H. G. Phillips
 C. E. Phillips

J. R. Anklaam

SIGNED