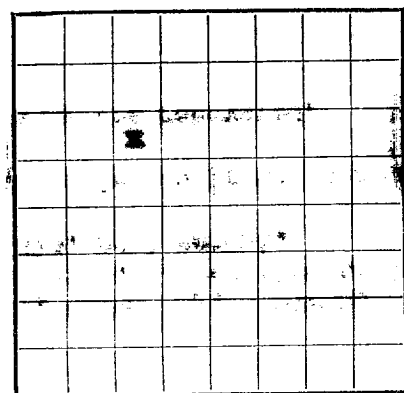


U. S. LAND OFFICE Navajo
Contract ~~SAME~~ NUMBER 11-70-603-592
Co. LEASE OR PERMIT TO PROSPECT 221461

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Box 1264, Washington, D. C.
Box 2190, Houston 1, Texas

Company Shell Oil & Refining Company Address Box 2190, Houston 1, Texas
Lessor or Tract Navajo Tribe of Indians "B" Field Capitan Paradox State New Mexico
Well No. 2 Sec. 39 T. 34N R. 20W Meridian 10 County San Juan
Location 1450 ft. S of 4 Line and 1450 ft. E of 4 Line of Section 29 Elevation 4900
(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.

Date October 4, 1964 Signed J. E. Kinsley
Title Director, Child Clerk

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

Commenced drilling August 19, 1916 Finished drilling September 27, 1916

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1000 to 1000 No. 4, from 1000 to 1000
No. 2, from 1000 to 1000 No. 5, from 1000 to 1000
No. 3, from 1000 to 1000 No. 6, from 1000 to 1000

IMPORTANT WATER SANDS

No. 1, from 1970 to 1980 No. 3, from to
No. 2, from 1971 to 1980 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
13-3/8	20'	250	Pumped	9	
9-5/8	376'	1700	Pumped	11.5	

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 5947 feet, and from feet to feet

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

DATES

September 27, 1944 Put to producing shallow water well. _____, 19____

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

L. W. Birston, Driller ~~Aaron Colson~~, Driller
C. H. Lyman, Driller _____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	22	22	Surface Clay
22	43	23	Surface clay and rock
43	225	180	Sand & rock
225	327	102	Sand & rock
327	408	81	Sandy shale
408	1905	1497	Sand & shale
1905	3315	1410	Shale
3315	3509	194	Sand & shale
3509	3565	56	Shale
3565	3781	216	Sand & shale
3781	4073	292	Shale
4073	4234	161	Shale & anhydrite
4234	4825	591	Shale & sand
4825	4944	119	Shale
4944	5209	265	Lime & shale
5209	5251	42	Lime, shale & chert
5251	5619	368	Lime & shale
5619	5680	61	Lime, shale & chert
5680	5685	5	Lime & shale
5685	5738	53	Core No. 1
5738	5758	20	Lime & shale
5758	5802	44	Core No. 2 & No. 3
5802	5828	26	Lime & chert
5828	5917	89	Core No. 4 & No. 5
5917	5947 TD	30	Lime & shale

FROM--
TO--
LOOSE FEET
(OVER)

50247102
 10-42094-3

