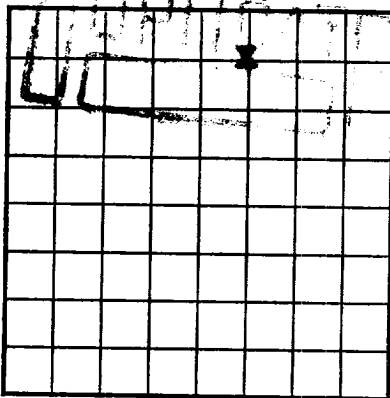


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 031741 (b)
LEASE OR PERMIT TO PROSPECT Lease

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box CC, Hobbs, New Mexico
Lessor or Tract W. C. Hawk B-10 Field North Drinkard State New Mexico
Well No. 1 Sec. 10 T. 21S R. 37E Meridian NMCM County Lea
Location 660 ft. XX of N Line and 1960 ft. XX of E Line of Section 10 Elevation 3446
(S.) (W.) (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 [Signature]
Date March 15, 1951 Title Asst. District Superintendent

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

Commenced drilling June 7, 1950 Finished drilling July 7, 1950

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6590 to 6729 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		Purpose
							From—	To—	
10 3/4"	32.75	8R		230	Guide				
7 5/8"	26.10	8R		3000	Guide & Float Collar				
5 1/2"	14.7	8R		5751					
5 1/2"	14.7	8R		1018	Guide & Float Collar	6602	6711		Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	245	200	Pump & Plug		
7 5/8"	3049	935	Pump & Plug		
5 1/2"	6722	452	Pump & Plug		

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 6723 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing August 15, 1950The production for the first 24 hours was 244 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 39°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. H. Hart, Driller J. D. Starr, Driller
Wardlaw, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1200	1200	Surface Sands & Red Bed
1200	1290	90	Sand & Shale
1290	1300	10	Anhydrite, Shale & Sand
1300	2350	1050	No samples
2350	2430	80	Salt
2430	2690	260	Anhydrite & Shale
2690	2890	110	Dolomite, Anhydrite & Shale
2890	4000	1200	No samples
4000	4070	70	Dolomite & Shale
4070	4420	350	Dolomite
4420	4450	30	Dolomite & Chert
4450	5170	720	Dolomite
5170	5420	250	Lime & Dolomite
5420	6575	1155	Dolomite
6575	6695	120	Lime & Dolomite
6695	6723	28	Dolomite
6723	Total depth		

(OVER)

16-43094-2

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
DST #1 from 6579' to 6637'. Tool open 2 hours. Gas to surface in 11 minutes. Light blow gas throughout test. No fluid to surface. Recovered 560' free oil and 90' oil cut mud.			
DST #2 from 6637' to 6723'. Tool open 2 hours. Gas to surface in 5 minutes. Light blow gas throughout test. Recovered 6333' of free oil and 390' salt water.			
Set 5 1/8" casing at 6422' and drilled out cement plug to 6720'. Perforated from 6605' to 6711'. Shabbed dry and acidized with 500 gallons. Shabbed and flowed 105 barrels oil in 7 hours with 177.6 MCF gas.			
Set bridging plug at 6700 & perforated 6644' to 6696'. Acidized with 1,000 gallons. Shabbed and flowed 74 barrels oil and 75 barrels water in 16 hours.			
Set retainer at 6681' and squeezed perforations 6684' to 6696' with 25 sacks. Perforated 6642' to 6677' and shabbed dry. Failed to acidize with 500 gallons. Perforated 6634' to 6640' and 6650' to 6654'. Acidized with 500 gallons. Shabbed 55 barrels oil in 14 hours. Reacidized with 2,000 gallons. Shabbed 55 barrels oil in 17 hours.			
Set bridging plug at 6630' and perforated 6602' to 6614' and 6622' to 6628'. Shabbed 39 barrels oil in 3 hours. Acidized with 500 gallons. Shabbed 10 barrels oil in 2 hours. After being shut in for 4 hours, flowed 14 barrels oil in 2 hours with 100 MCF gas per day.			
Drilled out bridging plug and retainer to 6719'. Shabbed 62 barrels oil in 23 hours. Acidized from 6705' to 6721' with 1,000 gallons with packer set at 6700'. Shabbed 33 barrels oil, no water in 6 hours. Reacidized with 2000 gallons. Flowed 107 barrels oil, no water, in 7 hours.			
Completed for initial potential of 244 barrels oil in 24 hours based on 17 hour test of 173 barrels oil flowing through 45/64" choke. GOR 940. C.P. 700%, B.P. 180%.			
The production for the first 24 hours was		Gallons Recovered per 1,000 cu ft of Gas	
The production for the first 24 hours was		Barrels of fluid of which	
The production for the first 24 hours was		But to production	
DATES			
Cable tools were used from		feet to	
Rotary tools were used from		feet to	
TOOLS USED			
Size	Depth used	Depth when used	Quantity
Size	Depth used	Depth when used	Quantity
SHOOTING RECORD			
Number of shots	Depth	Depth set	
BLUES AND MUDLOGS			
MUDLOGGING AND CEMENTING RECORD			

HISTORY OF OIL OR GAS WELL

16-43004-1 U. S. GOVERNMENT PRINTING OFFICE

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.

[illegible]

CASING RECORD

$Z(G) \cong 3^4$ (LCIII)	to	$Z(G) \cong 3^4$ (LCIII)	to
$Z(G) \cong 3^4$ (LCIII)	to	$Z(G) \cong 3^4$ (LCIII)	to

IMPORTANT WATER SANDS

N.O. 3 ¹ FLOW	FO	N.O. 6 ¹ FLOW	FO
N.O. 5 ¹ FLOW	FO	N.O. 2 ¹ FLOW	FO
N.O. 1 ¹ FLOW	FO	N.O. 4 ¹ FLOW	FO

(Dewey's first part (1))

OIL OR GAS SANDS OR BONES

Commenced drilling 1877 Finished drilling 1877

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

DATE _____ TIME _____

so far as can be determined from all available records.

The information given herewith is a complete and correct report of the well and all work done thereon

Location of _____ if {2.} of _____ line and _____ if {M
_____} of _____ line of _____ ELEVATION _____

MEMPHIS MEMPHIS COMPANY

162301 OF 17061

Comptant _____ Vaguettes _____

ГОСУДЕ МЕНГ СОВБЕСТГА

A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 20 rows of squares. The paper has a slightly aged or off-white appearance.

ГОО ОЕ ОИ ОВ СВЗ МЕГГ

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEVEE OR DRAIN TO PROTECT

SERIAL NUMBER

U. S. MARSHAL SERVICE