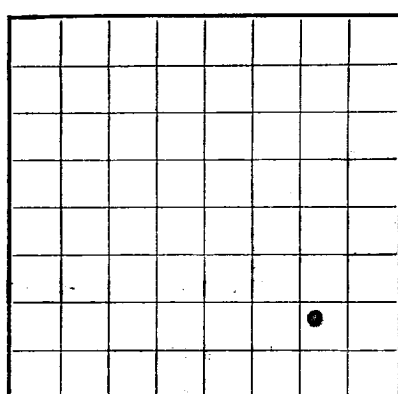


U. S. LAND OFFICE _____ **Santa Fe**
SERIAL NUMBER _____ **NM 03552**
LEASE OR PERMIT TO PROSPECT _____
"Reuter"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company Caulkins Oil Company Address Box 780, Farmington, New Mexico
Lessor or Tract Exeter Field Basin Dakota State New Mexico
Well No. D-321 Sec. 15 T. 26N R. 6W Meridian NMPM County Rio Arriba
Location 1150 ft. N. of 3 Line and 1150 ft. E. of 4 Line of 15-26-6 Elevation 6524 DF

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 Frank Brass

Date February 14, 1962 Title Superintendent

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

Commenced drilling November 29 1961 Finished drilling December 29 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2870 to 2940 C. No. 4, from _____ to _____

No. 2, from 3850 to 3860 C. No. 5, from _____ to _____

No. 3, from 7120 to 7350 C. 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

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	8	CP&I	261	Baker				
5-1/2"	17.00	8	CP&I	1029	Baker				
5-1/2"	15.50	8	CP&I	6367					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	261	200	Halliburton	Circulated cement	
5-1/2"	7396	485	Halliburton	9.5#/gal	Circulated

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 7400 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 14, 1962 Put to producing January 23, 1962

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

W. G. Pipkins	, Driller	T. F. Denning	, Driller
J. I. Wheeler	, Driller	B. J. Kirkpatrick	, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	41	41	Top Soil & Shale
41	263	222	Sand & Shale
263	1672	1409	Sand & Shale
1672	2084	412	Shale
2084	3858	1774	Sand & Shale
3858	4526	668	Shale
4526	5334	808	Sand & Shale
5334	5725	391	Shale
5725	5863	138	Sand & Shale
5863	6650	787	Shale
6650	7191	541	Sand & Shale
7191	7208	17	Shale
7208	7400	192	Sand & Shale

FROM—	TO—	TOTAL FEET	FORMATION
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[illegible]

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.

DO NOT OPEN

Pictured Cliffs	Omaha	Cliff House	Menesee	Point Lookout	Delaware
2870	2760	4554	4600	5160	7175

PHOTONATING RECORD

7 jets per foot	7320 to 7344
4 jets per foot	7252 to 7268
4 jets per foot	7158 to 7174

SHAGBURN RECORD

Date	Partitions	Callous water	Sand	Breakdown Pres., Pals	Injection Pres., Pals	Injection Rate B/Mn.	Inert. SD Pres., Pals	Flush, Patterns	Chemicals	Equipment Used	Service Co.
1-7-62	7120-44	58,680	55,000# 40-60	3500	1300-3500	39	2250	8700	1% Calcium Chloride 1% Cal. Chloride	310# J-98	5 At (Comp)
1-7-62	7252-68	64,680	40,000# 40-60	3300	2900-3700	43	2000	8700	1% Calcium Chloride 1% Cal. Chloride	350# J-98	5 At (Comp)
1-7-62	7158-74 & 7120-38	64,260	40,000# 40-60	3300	2900-3200	41	2200	7550	1% Cal. Chloride	290# J-98	5 At (Comp)

7 day shut in casing pressure 2329 drops
7 day shut in tubing pressure 2329 drops
flowed at rate of 5591 mscf/d at the end of a 3 hour test
at the end of a 3 hour test 2329 drops