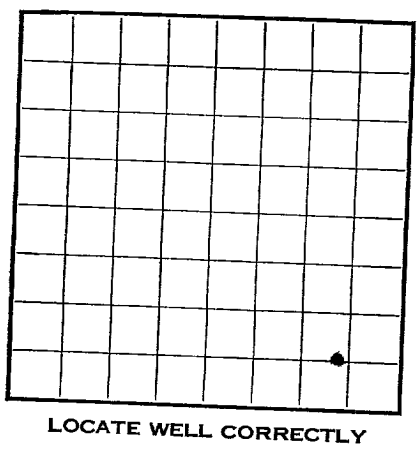
Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. Land Office NM
Serial Number 06171
Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAY 16 1955

LOG OF OIL OR GAS WELL

Company Champlin Refining Company Address Box 808 - Enid, Oklahoma
Lessor or Tract Featherstone Field Wildcat State New Mexico
Well No. 1 Sec. 6 T. 14 S R. 33E Meridian County Lea
Location 660 ft. {N./S.} of S Line and 990 ft. {E./W.} of E Line of Sec. 6 Elevation 4269
(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 R. W. Calkins
Title District Superintendent

Date May 12, 1955

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

Commenced drilling March 5, 1955 Finished drilling May 2, 1955

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 9940 to 9950 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 From—	Perforated To—	Purpose
13 3/8	40	8 Rd	Natl	542.40	Texas				Surface
8 5/8	32	8 Rd	Natl	4082	Baker	9850	9948		Intermediate Production
5 1/2	15.5	8 Rd	Natl	9951	Baker				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	542.40	300	Pump & Plug		
8 5/8	4082	1500	" "		
5 1/2	9951	250	" "		

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 9951 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

May 12, 1955 Put to producing May 6, 1955
The production for the first 24 hours was 191 barrels of fluid of which 96 % was oil; ____ % emulsion; 4 % water; and ____ % sediment.
If gas well, cu. ft. per 24 hours ____ Gravity, °Bé. ____
Rock pressure, lbs. per sq. in. 3465 Gallons gasoline per 1,000 cu. ft. of gas ____

EMPLOYEES

J. E. Bowden, Driller Joseph T. Duffy, Driller
John P. Chiears, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	130	130	Caliche, Sand
130	346	216	Sand, Red Bed, Shells
346	1707	1316	Red Bed, Shells
1707	1950	243	Red Bed, Anhydrite, Shells
1950	2622	672	Salt, Anhydrite, Gyp
2622	3124	502	Anhydrite, Gyp
3124	3254	130	Anhydrite
3254	3339	85	Anhydrite, Lime, Shells
3339	3368	29	Anhydrite, Gyp
3368	3393	25	Anhydrite, Sand
3393	3789	396	Anhydrite, Gyp
3789	4032	243	Anhydrite
4032	7586	3554	Lime
7586	7690	104	Lime, Shale Stks
7690	8125	435	Lime, Shale
8125	8252	127	Lime
8252	8292	40	Lime, Sand
8292	8678	386	Lime
8678	8707	29	Lime, Shale, Chert
8707	8930	223	Lime
8930	8951	21	Lime, Chert
8951	9178	227	Lime, Dolomite
9178	9216	38	Lime
9216	9245	29	Lime, Chert
9245	9276	31	Lime

FROM— TO— TOTAL FEET FORMATION

[OVER]

16—43004-3

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
8276	8507	231	Lime, Shale
8507	8547	40	Lime, Shale, Chert
8547	8571	24	Lime
8571	8686	115	Lime, Chert
8686	8799	113	Lime, Shale
8839	8914	75	Lime
8914	8923	109	Lime, Shale
8723	8978	115	Lime
9078	9303	225	Lime, Shale, Chert
9903	10001	1048	Lime
	9961		TOTAL DEPTH

DST #1 3362 - 3410
Open 1 hour
Faint blow 45 minutes.
15 minute BHP 0 BHPF 0
Recovered 25' drilling mud.

DST #2 4750 - 4847
Open 1 hour
Fair blow
Shut in 15 minutes BHFP 420#. BHSIP 1800#
Recovered 450' Drilling water
180' Salt water out with heavy oil

DST #3 9010 - 9035
Open 1 hour
Very weak blow
Shut in 15 minutes BHFP 20, BHSIP 60
Recovered 15' very slightly gas out drilling mud.

DST #4 9110 - 9142
Open 1 hour
Fair blow through out
BHP - 0
Recovered 40' slightly gas out mud.

DST #5 9637 - 9658
FP 250#, BHP 30 minutes 2550#.
Recovered 360' Free oil
1170' Salt-water

DST #6 9931 - 9951
Gas in 4 minutes, oil in 25 minutes. Reversed oil and gas.
Shut in 20 minutes
Recovered 450' Heavy oil and gas out mud.
IFP 950#. FFP 2000#
41.2 Gravity oil shut in 30 minutes
TP 405# 8000 PPM 55000 PPM

DST #7 9938 - 9951
Gas in 4 minutes, mud in 38 minutes, oil in 55 minutes.
First hour 30.98 barrels oil
Second hr 32.68 barrels oil 5/8" choke TP 240 - 300
Third hour 32.68 barrels oil 5/8" choke TP 240— 300
Recovered 9.85 barrels oil
540' Very heavy oil and gas out mud
50' Oil
360' Saltwater

CORE 3352 - 3410 (Queen Sand) Top 3353
Recovered 7 1/2'
1' Gray dense Anhydrite
4' Red Hard Sand
2 1/2' Gray dense Anhydrite

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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.