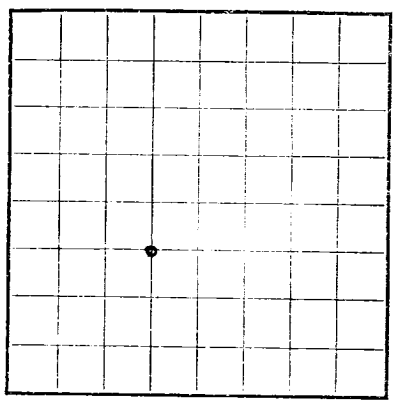
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Hobbs, New Mexico
SERIAL NUMBER LC 067192-A
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company COSDEN PETROLEUM CORPORATION Address Box 1311, Big Spring, Texas

Lessor or Tract Federal J Field Undesignated State New Mexico

Well No. 1 Sec. 23 T. 8S R. 36E Meridian NMPM County Roosevelt

Location 1980 ft. [N.] of S Line and 1980 ft. [E.] of E Line of Sec. 23 Elevation 4081
(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 H. L. Hooks

Date August 22, 1961 Title Supt. of Production

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

Commenced drilling June 23, 1961 Finished drilling July 31, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9698 to 9702 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	48	8 Rd	New	481	T.P.	-	-	-	Surface
8-5/8	24 & 32	8 Rd	New	4,180	Cuddy	-	-	-	Intermediate
4-1/2	11.6	8 RD	New	9,730	Cuddy	-	9698	9702	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	481	450	Pump & Plug		Cmt. Circ.
8-5/8	4180	1950	" "		Top of Cmt 1430'
4-1/2	9730	100	" "		Top of Cmt 9270'

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 9730 feet, and from ____ feet to ____ feet

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

DATES

____, 19____ Put to producing 8-14, 19 61

The production for the first 24 hours was 232 barrels of fluid of which 44 % was oil; - % emulsion; 56 % water; and - % sediment.

Gravity, °Bé. 42 47° 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

James Rhea, Driller C. E. Campbell, Driller

A. T. Griffin, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	162	162	Surface
162	480	318	Shale
480	2240	1760	Red Bed
2240	2490	250	Red Bed & Anhy
2490	4090	1600	Anhy
4090	7699	3609	Lime
7699	8100	401	Lime & Shale
8100	8191	91	Shale
8191	8228	37	Lime
8228	8730	502	Lime & Shale
8730	9730 T.D.	1000	Lime

FOLD | MARK

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			Formation Tops.
			Anhydrite 2,395'
			Yates 2,820
			San Andres 4,066
			Glorieta 5,526
			Tubb 6,948
			Abo 7,768
			Wolfcamp 9,020
			Three Brothers 9,448
			Base Three Brothers 9,543
			Bough A 9,625
			Bough B 9,656
			Bough C 9,694

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.

Drilled to T.D. 9,730' - Ran 4-1/2" csg - Perforated from 9688-9702 w/ 4 shots per foot - Swabbed well in natural - Flowed 112 barrels oil & 160 barrels water.