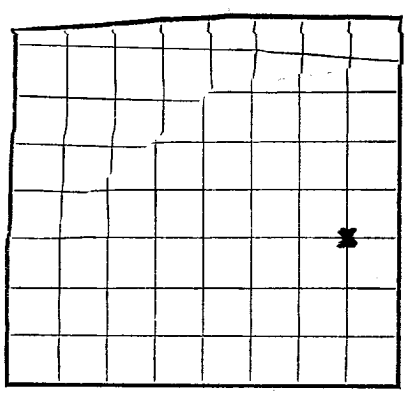
N. M. O. C. C. COPY

Form 9-330

Approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 071856
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

HOBBS OFFICE OCC
1962 AUG 6 AM 6 47

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 31 1962
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company T. E. Brown Address Artesia, New Mexico
Lessor or Tract Watkins-Fed. Field Wildcat State New Mexico
Well No. 1 Sec. 5 T. 19S R. 32E Meridian NMPM County Lea
Location 1980 ft. {N. / S} of S Line and 660 ft. {E / W} of E Line of Sec. 5 Elevation 3640 KB.
(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 Hugh E. Hanagan
Date July 26, 1962 Title Consultant Geologist

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

Commenced drilling June 30 @ 7:15 P.M. 62 Finished drilling July 16, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to 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 3294 to 3306 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
9-5/8"	32	ST & C	J-55	1093	Texas Pattern	None			Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	1093'	100 sx.	Denton Cementing Co.		

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 4981 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing P & A July 16, 19 62

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

Contractor: Yates Drilling Co.
, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	950	950	Unconsol. sand on surface, red-beds and sand.
950	2750	1800	Salt, anhydrite, polyhalite
2750	3230	480	Red beds, sand, anhydrite
3230	3800	570	Predominately dolomite - sand and anhydrite.
3800	4300	500	Sand, dolomite, anhydrite
4300	4600	300	Dolomite, anhydrite, sand
4600	4981	381	Dolomite, sandy toward bottom
			Electric Log Tops:
			Base Salt 2740
			Yates 2953
			7-River Dolomite 3228
			Queen 3785
			San Andres 4586
			(No cores or drillstem tests)

AT THE END OF COMPLETE DRILLERS LOG, ACID TREATED WITH 1000 GAL.

FOLD | MARK

[OVER]

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

Subject well was spudded at 7:15 P.M., June 30, 1962 and plugged and abandoned July 16, 1962. The hole was drilled with rotary tools, air drilled from base surface casing to 3290', mist drilled from 3290' to 4586' and from 4586' to T.D. with mud. No shows of oil or gas were encountered. No porosity was encountered toward the bottom or at total depth. Cement plugs were set by Denton Cementing Company of Artesia, New Mexico. None of the casing was pulled, and the hole was left full of mud with the following plugs set:

25 sx. plug set 4250 - 4175)
15 sx. plug set 3320 - 3280) P & A 7-16-62
30 sx. plug set 2850 - 2760)
25 sx. plug set 1150 - 1060)
5 sx. surf. w/marker

RECEIVED