Form 9-330

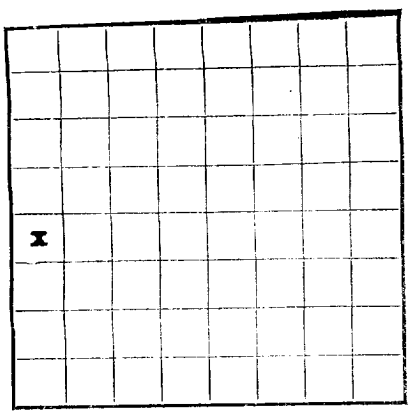
COPY TO O. C. C.

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. Land Office Santa Fe

Serial Number N. M. 04242

Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Barney Cockburn Address Box 105, Artesia, N. M.

Lessor or Tract Cockburn-Federal Field Corbin State N. Mex.

Well No. 5 Sec. 33 T. 17S R. 33E Meridian NMPM County Lea

Location 2310 ft. {N. / Xx S.} of So. Line and 330 ft. {E. / WX W.} of W. Line of Sec. 33-17-33 Elevation (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 C J Burnes

Date Feb. 19, 1954 Title Agt.

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

Commenced drilling Nov. 8, 1953 Finished drilling Jan. 7, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3840 to 3861 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
8 5/8	24#	8	S. H.	1380	Float				Surface strg.
5½	14#	8	Natl.	3880	Texas Pat.		3840	3847	Oil string
							3856	3862	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	1380	50	Halliburton		
5½	3880	100	Halliburton		40 sax

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
Halliburton's hydrafrac process. 4500 gal. kerosene, 10,000# sand, 3800 lbs. breakdown pressure.						

TOOLS USED

Rotary tools were used from 0 feet to 1380 feet, and from feet to feet

Cable tools were used from 1380 feet to 3880 feet, and from feet to feet

DATES

, 19 Put to producing Jan. 7, 1954

The production for the first 24 hours was 72 barrels of fluid of which 100 % 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

Leo Dodd, Driller C. H. Parker, Driller

F. D. McDaniel, Driller Earl McDorman, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	170	170	Sand, gyp., red bed
170	225	55	Red bed, anhydrite, shells
225	325	100	Gyp, pink shale
325	575	250	Red bed
575	615	40	Shale, gyp.
615	820	205	Red bed
820	850	30	Sand
850	895	45	Red bed
895	1010	115	Sandy red rock, gyp.
1010	1110	100	Sand, red bed
1110	1365	255	Red bed, gyp, shells
1365	1525	160	Anhydrite
1525	1545	20	Salt
1545	1600	55	Red rock, anhy.
1600	1655	55	Salt, potash
1655	2440	785	Salt
2440	2470	30	Potash
2470	2575	105	Salt
2575	2605	30	Salt, potash
2605	2790	185	Anhydrite
2790	2825	35	Red rock, anhy.
2825	2860	35	Anhy.
2860	2895	35	Anhy., red rock
2895	3100	205	Anhydrite
3100	3130	30	Sand

(over)

[OVER]

16—43094-2

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
3130	3160	30	Anhydrite & red rock, broken
3160	3215	55	Anhy., red rock
3215	3250	35	Anhy., sandy red rock breaks
3250	3745	495	Anhydrite
3745	3753	8	Sand
3753	3825	72	Anhy.
3825	3835	10	Anhy. & blue shale
3835	3857	22	Grey sand & shale (show of oil 3847-3857)
3857	3872	15	Red sand
3872	3880 T. D.	8	Anhydrite

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.