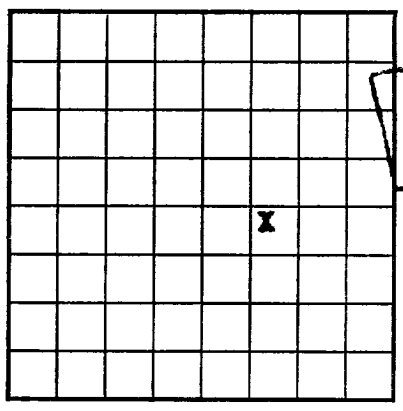
Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N. M. 04242
LEASE OR PERMIT TO PROSPECT Cockburn-Federal #3



LOCATE WELL CORRECTLY

DUPLICATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 20 1951
OIL CONSERVATION COMMISSION
HOBBS, OFFICE

LOG OF OIL OR GAS WELL

Company Barney Cockburn Address Artesia, N. M.

Lessor or Tract Cockburn Federal Field Maljamar State New Mexico

Well No. 3 Sec. 33 T. 17S R. 33 E Meridian NMPM County Lea

Location 2310 ft. {N./S.} of S Line and 1650 ft. {E./W.} of W Line of 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 ____

Date July 18, 1951 Title Agent

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

Commenced drilling March 9, 1951 Finished drilling June 8, 1951

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 4519 to 4539 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 105 to 125 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.	1427	Reg.				Surface
7"	17	8	S.H.	4321	Reg				Oil Strg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1427	50	Halliburton		
7"	4321	100	"		

MARK

FOLD

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
4½"		Nitro glycerine	55 qt	6/1	4512 to 4522	
4½"		" "	230 "	6/8	4523 to 4539	

TOOLS USED

Rotary tools were used from 0 feet to 1427 feet, and from ____ feet to ____ feet

Cable tools were used from 1427 feet to 4539 feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing 6-8, 1951

The production for the first 24 hours was 65 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

Geo. Sands, Driller Leo Dodd, Driller

O. C. Bean, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	320		Red rock
320	489		Shale & shells
489	645		ditto
645	740		Red bed
740	940		Shale & shells
940	1160		Sandy shale
1160	1265		Sandy lime
1265	1385		Lime & shale
1385	1420		Red bed
1420	1590		Anhy.
1590	1635		Red rock & anhy.
1635	1650		Red rock & salt
1650	1985		Salt
1985	2045		Salt & red rock
2045	2105		Salt
2105	2120		Anhy & potash
2120	2155		Salt & potash
2155	2275		Salt
2275	2335		Salt & potash
2335	2400		Salt
2400	2455		Salt & potash
2455	2515		ditto
2515	2575		Salt

(OVER)

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FROM—	TO—	TOTAL FEET	FORMATION
2575	2610		Salty
2610	2645		Salty
2645	2705		Broken salty.
2705	2890		Salty.
2890	2935		Salty & red rock
2935	3145		Salty.
3145	3170		Salty & sand.
3170	3565		Salty.
3565	3590		Salty & red shale
3590	3685		Salty.
3685	3645		Pink rock & salty.
3645	3740		Salty.
3740	3800		Salty & red shale
3800	3853		Salty.
3853	3980		Salty shale & salty.
3980	3975		Salty.
3975	3977		Lime
3977	4000		Salty
4000	4010		Lime & salt
4010	4035		Salty
4035	4055		Lime
4055	4070		Pink shale
4070	4080		Salty.
4080	4100		Lime
4100	4130		Salty.
4130	4150		Salty & lime
4150	4200		Salty.
4200	4215		Pink lime
4215	4234		Salty & red shale
4234	4240		Lime
4240	4260		Salty.
4260	4275		Broken lime
4275	4280		Gray lime
4280	4310		Lime
4310	4315		Gray lime
4315	4335		Lime
4335	4355		Sandy lime
4355	4435		Lime
4435	4450		Sandy lime
4450	4460		Lime
4460	4470		White lime
4470	4520		Lime
4520	4552		Lime & sandy lime

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OIL CONSERVATION COMMISSION
HOBBS, OFFICE

HISTORY OF OIL OR GAS WELL

16—43094-1 U. S. GOVERNMENT PRINTING OFFICE

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.