

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 029405-BLEASE OR PERMIT TO PROSPECT LeaseUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEEPENING LOG

LOG OF OIL OR GAS WELL

RECEIVED

AUG 20 1951

OIL CONSERVATION COMMISSION
HOBBS-OFFICE

LOCATE WELL CORRECTLY

Company Buffalo Oil Company Address Artesia, New Mexico
Lessor or Tract Wm. Mitchell B Field Maljamar State New Mexico
Well No. B-3 Sec. 20 T. 17S R. 32E Meridian NMPM County Lea
Location 1980 ft. N. of S. Line and 1980 ft. NE of E. Line of Section 20 Elevation 3999
(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 /s/ H. G. EllisDate February 23, 1946Title Superintendent

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

Commenced drilling January 17, 1946 Finished drilling February 9, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3804 to 3830 No. 4, from _____ to _____
No. 2, from 3964 to 4045 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		Purpose
							From—	To—	
		No change							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
		No change			

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
5"	Tin	Nitroglycerin	120 qt	2-2	3801-3832	
4 1/2"	"	"	40 "	2-1	3963-3976	
3"	"	"	50 "	2-1	3976-4010	4045
4 1/2"	"	"	100 "	2-1	4010-4041	

TOOLS USED

Reverse Circulation
Rotary tools were used from 3721 feet to 4045 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Feb. 20, 1946 Put to producing Feb. 10, 1946
The production for the first 24 hours was 46 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 39.3
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Beckman, Inc., Driller T. H. Byrum, Driller
J. W. Handley, Driller Paul B. Riney, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3721	4045	324	Lime

FORMATION RECORD—Continued

U. S. LAND OFFICE
SERIAL NUMBER 02402-1
DATE OF PERMIT TO PROSPECT 10-1-1952

RECEIVED
AUG 5 1981
HOBBS OFFICE
GIL CONSERVATION COMMISSION

LOCATE WELL CORRECTLY

[illegible]

Commenced drilling _____, 19____
 Finished drilling _____, 19____
 The summary on this page is for the condition of the well at above date.
 Date _____, 19____ Title _____

(Derecho de la G)

No. 1, from	1874	to	1880	No. 4, from	to
No. 2, from	1881	to	1895	No. 5, from	to
No. 3, from	to	to		No. 6, from	to

-----ot-----No. 3, from-----
-----ot-----No. 4, from-----

Perforated		Cut and pulled from	Kind of shoe	Amount	Make	Threads per inch	Weight per foot	Casing size
From—	To—							
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 "added back" 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.								
U. S. GOVERNMENT PRINTING OFFICE 16-73094-1								

[illegible]

SHOOTING RECORD		ADAPTERS - 24mm lens		HEAVY DUTY 24mm lens	
Size	Length	Size	Length	Size	Length
Depth set					

Area	Depth used	Explosive used	Quantity	Date	Depth used	Depth cleared on
"	"	"	150 ft	2-2	3801-3832	
"	"	"	"	2-1	3833-3864	
"	"	"	"	2-1	3865-3896	
"	"	"	"	2-1	3897-4011	

_____ feet to _____ feet, and from _____ feet to _____ feet	_____ feet to _____ feet, and from _____ feet to _____ feet	_____ feet to _____ feet, and from _____ feet to _____ feet	_____ feet to _____ feet, and from _____ feet to _____ feet
---	---	---	---

It gas well, on ft. per 24 hours	Emulsion; _____ % water; and _____ % sediment.	_____
The production for the first 24 hours was _____	_____	_____
Put to producing _____ Feb. 10, 1916	_____	_____

Driller	Richard, Inc.	Driller	T. H. Evans
Driller	L. V. Keadley	Driller	Paul B. Riney

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

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 /s/ M. E. Baish V. Pres.

Date January 23, 1940

Title

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

Commenced drilling October 27, 1939 Finished drilling December 13, 1939

(Denote gas by G)

No. 1, from 2368 to 2384 O&G No. 4, from 3716 to 3723
No. 2, from 3583 to 3587 G No. 5, from to
No. 3, from 3685 to 3695 O&G No. 6, from to

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
12 1/8"	45	8	Ygston	40'					
HISTORY OF OIL ON C&S WELLS									

[illegible]

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

[illegible]

Rotary tools were used from 0 feet to 3565 feet, and from _____ feet to _____ feet

Cable tools were used from 3565 feet to 3723 feet, and from _____ feet to _____ feet

-----, 19-----		Put to producing ----- Dec. 13 1939 -----, 19-----	
The production for the first 24 hours was 250		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

B. B. McDaniels Driller

B. Cockburn Driller

C. F. McGeorge	Driller
----------------	---------

Leon Smith, Supt. Driller

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Surface sand and caleche
40	95	45	Caliche and red bed
95	298	203	Red bed and shells
298	338	40	Red bed
338	535	197	Red bed and shells
535	845	310	Red rock
845	908	63	Salt and anhydrite
908	1720	812	Salt
1720	1865	145	Salt and anhydrite
1865	2186	321	Anhydrite
2186	2214	28	Anhydrite and gyp
2214	2368	154	Anhydrite
2368	2384	16	Sand
2384	2774	390	Anhydrite
2774	2824	50	Anhydrite and streaks of lime
2824	2985	161	Anhydrite and lime
2985	3565	580	Lime
3565	3569	4	Sandy lime
3569	3575	6	Sand
3575	3583	8	Gray sand lime
3583	3587	4	Gas sand
3587	3601	14	Brown lime
3601	3625	24	Gray lime
3625	3631	6	Lime
3631	3646	15	Gray lime

(OVER)

16-43094-2

FORMATION RECORD—CONTINUED

U. S. LAND OFFICE
SERIAL NUMBER
LEASE ON PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

[illegible]

LOCATE WELL CORRECTLY

Company _____
 Lessor or Trust _____
 Well No. _____
 Location _____ of _____ line and _____ ft. of _____ ft. of _____ line of _____ Sec. _____ of _____ County _____
 The information given herewith is a complete and correct record of the well and all work done thereon
 signed _____
 Address _____
 State _____
 Elevation _____
 (Bottom floor relative to sea level)

Commenced drilling _____, 1932. Finished drilling _____, December 13, 1932. The summary on this page is for the condition of the well at above date.

Date _____ Title _____

OIL OR GAS SANDS OR ZONES

(Derote aus der)

No. 1, from	to	1934 086	No. 4, from	to	1935 086
No. 2, from	to	1935 086	No. 5, from	to	1935 086
No. 3, from	to	1935 086	No. 6, from	to	1935 086

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Purpose		Kind of shoe	Amount	Make	Where used	When used	By whom
To—		From—	It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 "backtracked" 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.				

U. S. GOVERNMENT PRINTING OFFICE 16-45084-1

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	0	feet to	562	feet, and from	feet to	feet
Table tools were used from	3	feet to	562	feet, and from	feet to	feet

DATE:

It gas well, cu. ft. per 24 hours The production for the first 24 hours was 350 % water; and % sediment	Gallons gasoline per 1,000 cu. ft. of gas Gravity, °Bé. barrels of fluid of which 100% was oil; % Put to producing Dec. 13 1933, 19
---	--

EMPLOYEES

Driller	George	Driller	George
Driller	Smith, Supt.	Driller	Smith, Supt.

FORMATION RECORD

FORMATION	TOTAL FEET	TO-	FROM-
Gravelly lime	10	3640	3646
Broken sandy lime	2	3642	3640
Blue lime	7	3649	3642
Brown lime	6	3655	3649
Gray sandy lime	10	3665	3655
Sand and lime	13	3678	3665
Sand	8	3686	3678
Silty sand	47	3733	3686
Lime	280	3985	3733
Anhydrite and lime	161	3985	3985
Anhydrite and streaks of lime	50	3834	3985
Anhydrite	290	3744	3834
Sand	16	3684	3744
Anhydrite	154	3688	3684
Anhydrite and clay	38	3614	3688
Anhydrite	321	3188	3614
Salt and anhydrite	145	1985	3188
Salt	812	1720	1985
Salt and anhydrite	63	303	1720
Red rock	310	817	303
Red bed and shella	197	303	817
Red bed	40	263	303
Red bed and shella	203	263	263
Caliche and red bed	45	218	263
Surface sand and caliche	40	178	218

FORMATION RECORD—Continued