

Form 9-330

U. S. LAND OFFICE
SERIAL NUMBER 263246-10
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Redfern Development Corporation Address P.O. Box 1747, Midland, Texas
Lessor or Tract Winston-Federal Field Indian Basin State New Mexico
Well No. 1 Sec. 31 T. 21S R. 24E Meridian NMP County Eddy
Location 2080 ft. N. of S Line and 1985 ft. E. of W. Line of Section 31 Elevation 3915 DF
(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 Frank J. Podrechan Title Geologist
Date December 11, 1964

The summary on this page is for the condition of the well at above date.
Commenced drilling September 14, 1964 Finished drilling November 23, 1964

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

G No. 1, from 7365 to 7670 No. 4, from _____ to _____
G No. 2, from 9545 to 9604 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—	
13-3/8	32.48#		H-40	320	Tex. Pat.				Surface
9-5/8	32#		H-40	1785	Tex. Pat.				Intermediate
7	20#		J-55	8171	Tex. Pat.		7476	7494	Production
4-1/2	9.5#		J-55	9730	Tex. Pat.		9545	9604	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	320	670	Pump	8.6	-
9-5/8	1785	565	Pump	8.6	-
7	8171	200	Pump	8.3	-
4-1/2	9730	175	Pump	7.2	-

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

DATES

_____, 19____ Put to producing November 5, 1964

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 Cisco 29 MMCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. Morrow 6 MMCF
Cisco 2931#
Morrow 3819#

EMPLOYEES

_____, Driller _____, Driller
Lowe Drilling Company _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2220	2220	Graybury - San Andres
2220	4140	1920	Glorieta - esco
4140	7365	3225	Bone Spring - Wolfcamp
7365	8010	645	Cisco
8010	8605	595	Canyon
8605	8802	197	Strawn
8802	9640	838	Atoka Morrow
9640	9730	90	Barnett Shale

(OVER)

FORMATION RECORD—Continued

[illegible]

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

4-1/2" casing was perforated 9432-48 and swabbed slight amount of salt water. The above perforations were squeezed with cement to 6000#. Perforations 7476-7494 in the 7" casing were acidized with five hundred gallons of mud acid before potential. Perforations 9545-47, 9584-86 and 9601-04 were completed from natural. Well shut in as producing gas well dually completed from Cisco (Upper Pennsylvanian) and Morrow (Lower Pennsylvanian).