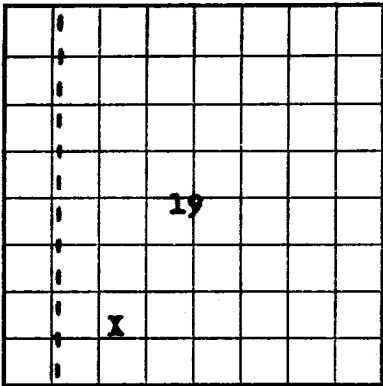


Form 9-380

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078046
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Byrd-Frost, Inc. Address P.O. Box 911 Durango, Colorado
Lessor or Tract J. F. Hughes Field Wildcat State New Mexico
Well No. 1 Sec. 19 T. 29N R. 8W Meridian N.M.P.M. County San Juan
Location 990 ft. {N.} of S. Line and 990 ft. {E.} of W. Line of Sec. 19, 29N, 8W Elevation 6464' Gr.
(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 John Carothers
Title Agent

Date _____

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

Commenced drilling 12-30, 19 50 Finished drilling 3-16, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2995 to 3112 G No. 4, from _____ to _____
No. 2, from 4620 to 4765 G No. 5, from _____ to _____
No. 3, from 5190 to 5383 G 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"	40	8	J & L	127'	Texas	Cemented			Surface
7"	32	8	J & L	5165'	HOWCO	Cemented w/2 stage			Production
7"	"	8	Securloy	108'	HOWCO	4650-4750			
2"	4.75	8	J & L	5300'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	127	100	HOWCO	9.8	Circulated
7"	5146	300 HOWCO 2 stage	HOWCO	9.8	Circulated
7"	4650-4750	Securloy pipe 1st stage cemented w/75sx., 2nd stage cement w/22.5sx.			
	HOWCO D.V. Tool # 5012				

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	46	SNQ	1150 qts	3-17-51	5203-5505	5335

TOOLS USED

Rotary tools were used from 0 feet to 5205 feet, and from _____ feet to _____ feet
Cable tools were used from 5205 feet to 5505 feet, and from _____ feet to _____ feet

DATES

3-31, 19 51 Put to producing _____, 19 _____

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 3,500 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 990#

EMPLOYEES

E. E. Loman, Driller J. L. Dooley, Driller
E. E. Harlan, Driller W. E. Brink, Driller

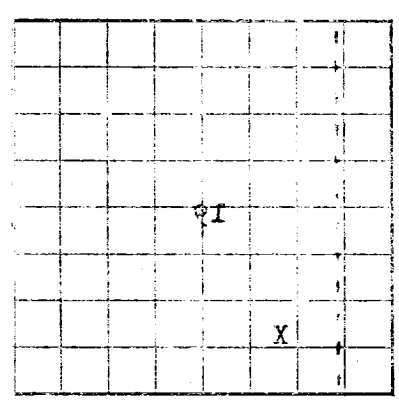
FORMATION RECORD

DEPTH—	FORMATION	TOTAL FEET	FORMATION
2532		72	
2500		43	
2471		14	Surface
2441		88	Sandstone
2411		150	Sand & shale
2381		134	Shale
2351		250	Sandy shale
2321		83	Sand & shale
2291		160	Sand, shale, shells
2261		140	Sand & shale
2231		23	Hard sand
2201		15	Sandy shale
2171		108	Shale, sandy shale, shells
2141		78	Hard sand, sandy shale
2111		98	Hard shale, sand streaks
2081		167	Sand & shale
2051		184	Sandy shale
2021		22	Sand
1991		90	Sandy shale & shale
1961		104	Sand, shale, coal
1931		61	Sand, & coal streaks
1901		100	Sand
1871		130	Sand & shale
1841		86	Hard sand & shale streaks
1811		84	Sand & shale
1781		50	Shale

U. S. Land Office Santa Fe
Serial Number 078046
Lease or Grant to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company _____
Lessor or Tract _____
Field _____
County _____
Well No. _____
Location _____ of _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Date _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
19 _____

OIL OR GAS SANDS OR ZONES

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

CASING RECORD

Depth	Kind of casing	Remarks
_____	_____	_____
_____	_____	_____
_____	_____	_____

It is of the greatest importance that the log be kept up to date. If the log is not kept up to date, the log will be of little value. The log should be kept up to date, and the log should be kept up to date.

HISTORY OF OIL OR GAS WELL

DATE	DEPTH	FORMATION	REMARKS
1900-1-1	0	Shale	Drilled
1900-1-1	10	Sand & shale	Drilled
1900-1-1	20	Sand & shale	Drilled
1900-1-1	30	Sand & shale	Drilled
1900-1-1	40	Sand & shale	Drilled
1900-1-1	50	Sand & shale	Drilled
1900-1-1	60	Sand & shale	Drilled
1900-1-1	70	Sand & shale	Drilled
1900-1-1	80	Sand & shale	Drilled
1900-1-1	90	Sand & shale	Drilled
1900-1-1	100	Sand & shale	Drilled
1900-1-1	110	Sand & shale	Drilled
1900-1-1	120	Sand & shale	Drilled
1900-1-1	130	Sand & shale	Drilled
1900-1-1	140	Sand & shale	Drilled
1900-1-1	150	Sand & shale	Drilled
1900-1-1	160	Sand & shale	Drilled
1900-1-1	170	Sand & shale	Drilled
1900-1-1	180	Sand & shale	Drilled
1900-1-1	190	Sand & shale	Drilled
1900-1-1	200	Sand & shale	Drilled
1900-1-1	210	Sand & shale	Drilled
1900-1-1	220	Sand & shale	Drilled
1900-1-1	230	Sand & shale	Drilled
1900-1-1	240	Sand & shale	Drilled
1900-1-1	250	Sand & shale	Drilled
1900-1-1	260	Sand & shale	Drilled
1900-1-1	270	Sand & shale	Drilled
1900-1-1	280	Sand & shale	Drilled
1900-1-1	290	Sand & shale	Drilled
1900-1-1	300	Sand & shale	Drilled
1900-1-1	310	Sand & shale	Drilled
1900-1-1	320	Sand & shale	Drilled
1900-1-1	330	Sand & shale	Drilled
1900-1-1	340	Sand & shale	Drilled
1900-1-1	350	Sand & shale	Drilled
1900-1-1	360	Sand & shale	Drilled
1900-1-1	370	Sand & shale	Drilled
1900-1-1	380	Sand & shale	Drilled
1900-1-1	390	Sand & shale	Drilled
1900-1-1	400	Sand & shale	Drilled
1900-1-1	410	Sand & shale	Drilled
1900-1-1	420	Sand & shale	Drilled
1900-1-1	430	Sand & shale	Drilled
1900-1-1	440	Sand & shale	Drilled
1900-1-1	450	Sand & shale	Drilled
1900-1-1	460	Sand & shale	Drilled
1900-1-1	470	Sand & shale	Drilled
1900-1-1	480	Sand & shale	Drilled
1900-1-1	490	Sand & shale	Drilled
1900-1-1	500	Sand & shale	Drilled
1900-1-1	510	Sand & shale	Drilled
1900-1-1	520	Sand & shale	Drilled
1900-1-1	530	Sand & shale	Drilled
1900-1-1	540	Sand & shale	Drilled
1900-1-1	550	Sand & shale	Drilled
1900-1-1	560	Sand & shale	Drilled
1900-1-1	570	Sand & shale	Drilled
1900-1-1	580	Sand & shale	Drilled
1900-1-1	590	Sand & shale	Drilled
1900-1-1	600	Sand & shale	Drilled
1900-1-1	610	Sand & shale	Drilled
1900-1-1	620	Sand & shale	Drilled
1900-1-1	630	Sand & shale	Drilled
1900-1-1	640	Sand & shale	Drilled
1900-1-1	650	Sand & shale	Drilled
1900-1-1	660	Sand & shale	Drilled
1900-1-1	670	Sand & shale	Drilled
1900-1-1	680	Sand & shale	Drilled
1900-1-1	690	Sand & shale	Drilled
1900-1-1	700	Sand & shale	Drilled
1900-1-1	710	Sand & shale	Drilled
1900-1-1	720	Sand & shale	Drilled
1900-1-1	730	Sand & shale	Drilled
1900-1-1	740	Sand & shale	Drilled
1900-1-1	750	Sand & shale	Drilled
1900-1-1	760	Sand & shale	Drilled
1900-1-1	770	Sand & shale	Drilled
1900-1-1	780	Sand & shale	Drilled
1900-1-1	790	Sand & shale	Drilled
1900-1-1	800	Sand & shale	Drilled
1900-1-1	810	Sand & shale	Drilled
1900-1-1	820	Sand & shale	Drilled
1900-1-1	830	Sand & shale	Drilled
1900-1-1	840	Sand & shale	Drilled
1900-1-1	850	Sand & shale	Drilled
1900-1-1	860	Sand & shale	Drilled
1900-1-1	870	Sand & shale	Drilled
1900-1-1	880	Sand & shale	Drilled
1900-1-1	890	Sand & shale	Drilled
1900-1-1	900	Sand & shale	Drilled
1900-1-1	910	Sand & shale	Drilled
1900-1-1	920	Sand & shale	Drilled
1900-1-1	930	Sand & shale	Drilled
1900-1-1	940	Sand & shale	Drilled
1900-1-1	950	Sand & shale	Drilled
1900-1-1	960	Sand & shale	Drilled
1900-1-1	970	Sand & shale	Drilled
1900-1-1	980	Sand & shale	Drilled
1900-1-1	990	Sand & shale	Drilled
1900-1-1	1000	Sand & shale	Drilled