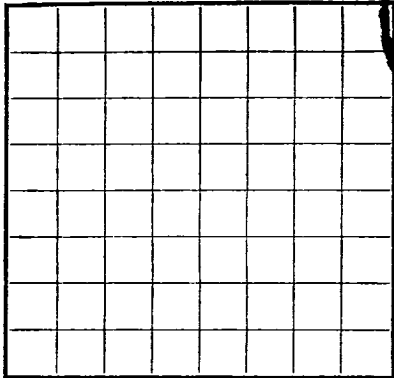




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079045
LEASE OR PERMIT TO PROSPECT _____

N. E. Blanco Unit Agreement No. 1,
UNITED STATES Sec. 929

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Blackwood & Nichols Company Address P. O. Box 1237, Durango, Colorado
~~RETRACT~~ Tract 11 Field Blanco Mesaverde State New Mexico
Well No. 49-30 Sec. 30 T. 31N R. 7W Meridian NMPM County San Juan
Location 1280 ft. [S.] of N Line and 220 ft. [W.] of E Line of Section 30 Elevation 6382'
(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. Original Signed
Signed by Delasso Loos Delasso Loos

Date November 22, 1957 Title Field Superintendent

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

Commenced drilling September 23, 19 57 Finished drilling November 5, 19 57

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

No. 1, from 3050' to 3280' (G) No. 4, from 5290' to 5565' (G)
No. 2, from 3280' to 3510' (G) No. 5, from 5565' to 5800' (G)
No. 3, from 5225' to 5290' (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—	
<u>10-3/4</u>	<u>32.75</u>	<u>8rd</u>	<u>Long Star</u>	<u>216'</u>	<u>Tex Pat.</u>				<u>Surface</u>
<u>7-5/8</u>	<u>26.40</u>	<u>8rd</u>	<u>Long Star</u>	<u>160'</u>	<u>Tex Pat.</u>				<u>Drilling</u>
<u>5-1/2</u>	<u>21.50</u>	<u>8rd</u>	<u>Long Star</u>	<u>110'</u>	<u>Tex Pat.</u>				<u>Drilling</u>
<u>4-1/2</u>	<u>17.50</u>	<u>8rd</u>	<u>Long Star</u>	<u>60'</u>	<u>Tex Pat.</u>				<u>Drilling</u>
<u>3-1/2</u>	<u>14.00</u>	<u>8rd</u>	<u>Long Star</u>	<u>30'</u>	<u>Tex Pat.</u>				<u>Drilling</u>
<u>2-3/8</u>	<u>11.00</u>	<u>8rd</u>	<u>Long Star</u>	<u>15'</u>	<u>Tex Pat.</u>				<u>Drilling</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>231'</u>	<u>350</u>	<u>Pump & plug</u>	<u>Water</u>	<u>Cement Circulated</u>
<u>7-5/8</u>	<u>3620'</u>	<u>225</u>	<u>" "</u>		
<u>5-1/2</u>	<u>5829'</u>	<u>150</u>	<u>" "</u>		<u>Top of cement at 4310'</u>

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
<u>Sand-water fraced the Mesaverde Group thru casing perforations.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 5829 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Not connected, 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 6,375 MCF (AGP) Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1110 Rate of flow thru 3/4" choke after 3 hours: 3728 MCFPD

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>1210'</u>	<u>1210</u>	<u>San Jose</u>
<u>1210'</u>	<u>2200'</u>	<u>990</u>	<u>Animas</u>
<u>2200'</u>	<u>2320'</u>	<u>120</u>	<u>Ojo Alamo SS</u>
<u>2320'</u>	<u>3050'</u>	<u>730</u>	<u>Kirtland</u>
<u>3050'</u>	<u>3280'</u>	<u>230</u>	<u>Fruitland SS</u>
<u>3280'</u>	<u>3510'</u>	<u>230</u>	<u>Pictured Cliffs SS</u>
<u>3510'</u>	<u>5225'</u>	<u>1715</u>	<u>Lewis Shale</u>
<u>5225'</u>	<u>5290'</u>	<u>65</u>	<u>Massive Cliffhouse SS</u>
<u>5290'</u>	<u>5565'</u>	<u>275</u>	<u>Manefee Shale</u>
<u>5565'</u>	<u>5800'</u>	<u>235</u>	<u>Point Lookout SS</u>
<u>5800'</u>			<u>Mancos Shale</u>

Approval expires 11-31-97
Budget Document No. 41-10554

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

STATE WILL CORRECTLY

[illegible]

OIL OR GAS SANDS OR ZONES		(Indicate gas by G)	
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	No. 2 from	No. 3 from	No. 4 from
to	to	to	to

Case No.	Case Name	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
1	Case 1	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
2	Case 2	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
3	Case 3	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
4	Case 4	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
5	Case 5	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
6	Case 6	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
7	Case 7	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
8	Case 8	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
9	Case 9	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
10	Case 10	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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 bridges or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

NUDDING AND DEWENTING RECORD

[illegible]

Plugs and Adapters	Length	Weight
Leaving plug - 7/16" x 1/2"	1.00	0.05
Adapters - 7/16" x 1/2"	1.00	0.05

[illegible]

TOOTH USED		TOOTH USED	
tooth of tooth	more than one	tooth of tooth	more than one
tooth of tooth	more than one	tooth of tooth	more than one

DATE	DESCRIPTION	AMOUNT	BALANCE
1910	...	...	...
1911	...	...	...
1912	...	...	...
1913	...	...	...
1914	...	...	...
1915	...	...	...
1916	...	...	...
1917	...	...	...
1918	...	...	...
1919	...	...	...
1920	...	...	...
1921	...	...	...
1922	...	...	...
1923	...	...	...
1924	...	...	...
1925	...	...	...
1926	...	...	...
1927	...	...	...
1928	...	...	...
1929	...	...	...
1930	...	...	...
1931	...	...	...
1932	...	...	...
1933	...	...	...
1934	...	...	...
1935	...	...	...
1936	...	...	...
1937	...	...	...
1938	...	...	...
1939	...	...	...
1940	...	...	...
1941	...	...	...
1942	...	...	...
1943	...	...	...
1944	...	...	...
1945	...	...	...
1946	...	...	...
1947	...	...	...
1948	...	...	...
1949	...	...	...
1950	...	...	...
1951	...	...	...
1952	...	...	...
1953	...	...	...
1954	...	...	...
1955	...	...	...
1956	...	...	...
1957	...	...	...
1958	...	...	...
1959	...	...	...
1960	...	...	...
1961	...	...	...
1962	...	...	...
1963	...	...	...
1964	...	...	...
1965	...	...	...
1966	...	...	...
1967	...	...	...
1968	...	...	...
1969	...	...	...
1970	...	...	...
1971	...	...	...
1972	...	...	...
1973	...	...	...
1974	...	...	...
1975	...	...	...
1976	...	...	...
1977	...	...	...
1978	...	...	...
1979	...	...	...
1980	...	...	...
1981	...	...	...
1982	...	...	...
1983	...	...	...
1984	...	...	...
1985	...	...	...
1986	...	...	...
1987	...	...	...
1988	...	...	...
1989	...	...	...
1990	...	...	...
1991	...	...	...
1992	...	...	...
1993	...	...	...
1994	...	...	...
1995	...	...	...
1996	...	...	...
1997	...	...	...
1998	...	...	...
1999	...	...	...
2000	...	...	...
2001	...	...	...
2002	...	...	...
2003	...	...	...
2004	...	...	...
2005	...	...	...
2006	...	...	...
2007	...	...	...
2008	...	...	...
2009	...	...	...
2010	...	...	...
2011	...	...	...
2012	...	...	...
2013	...	...	...
2014	...	...	...
2015	...	...	...
2016	...	...	...
2017	...	...	...
2018	...	...	...
2019	...	...	...
2020	...	...	...
2021	...	...	...
2022	...	...	...
2023	...	...	...
2024	...	...	...
2025	...		

[illegible]

FORM 1000	TOTAL FEES	FO	FEED
1.00	101	10101	10101
2.00	102	10102	10102
3.00	103	10103	10103
4.00	104	10104	10104
5.00	105	10105	10105
6.00	106	10106	10106
7.00	107	10107	10107
8.00	108	10108	10108
9.00	109	10109	10109
10.00	110	10110	10110

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FROM--	TO--	TOTAL FEET	FORMATION

FORMATION RECORD—Continued