

U. S. LAND OFFICE Santa FeSERIAL NUMBER NM 03358

LEASE OR PERMIT TO PROSPECT

Unit Agreement No. 1, Sec 929

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Blackwood & Nichols Company Address P.O. Box 1237, Durango, Colorado
Tract 21-A Field Blanco Mesaverde State New Mexico
Well No. 33-12 Sec. 12 T. 31N R. 7W Meridian NMPM County San Juan
Location 990 ft. N of S Line and 1650 ft. E of W Line of Section 12 Elevation 6544
(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 Delasso Loos DELASSO LOOSDate November 22, 1955Title Field Superintendent

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

Commenced drilling 10-6-55, 19... Finished drilling 11-10-55, 19...~~EXPOSED~~ GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3015 to 3340 No. 4, from 5505 to 5720
No. 2, from 3340 to 3600 No. 5, from 5720 to 5860
No. 3, from 5130 to 5505 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—	
10-3/4"	32.75	8rd	Mat'l	153'	Guide	—	—	—	Surface
7-5/8"	26.40	8rd	Spanco	6585'	Plug	153'	—	—	Intermediate
5-1/2"	15.50	8rd	Spanco	3009'	Plug	6585'	—	—	Intermediate
2-3/8"	4.45	8rd	Spanco	3009'	Plug	3009'	—	—	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used	
					From—	To—
10-3/4"	168'	180	Pump & Plug	Water	—	Cement circulated
7-5/8"	3600'	225	"	"	—	"
5-1/2"	5885'	200	"	Dry	—	top of cement @ 3100'

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
		Well sandfraced				

TOOLS USED

Rotary tools were used from 0' feet to 5885' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

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 3009 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1040

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	1170'	1170'	San Jose
1170'	2275'	1105'	Animas
2275'	2395'	120'	Ojo Alamo SS
2395'	3015'	620'	Kirtland
3015'	3340'	325'	Fruitland
3340'	3605'	265'	Pictured Cliffs SS
3605'	5130'	1525'	Lewis Sh
5130'	5450'	320'	Mesaverde Group
5450'	5505'	55'	Cliffhouse SS
5505'	5720'	215'	Manefee
5720'	5860'	140'	Point Lookout
5860'	—	—	Mancos Sh

FROM—

TO—

TOTAL FEET (OVER)

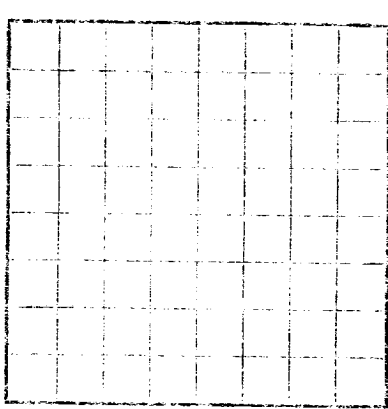
FORMATION

16-48094-3

FORMATION RECORD—CONTINUED

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company _____ Address _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
Signed _____
Date _____

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

IMPORTANT WATER SANDS

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

CASING RECORD

It is of the greatest importance that a complete history of the well be kept. If the well has been dynamited, give date, size, position, and number of shots. If the well has been plugged, give date, size, position, and number of plugs. If the well has been abandoned, give date, size, position, and number of plugs. If the well has been abandoned, give date, size, position, and number of plugs.

HISTORY OF OIL OR GAS WELL

MODIFYING AND DETERMINING RECORD

10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12

SHOOTING RECORD

10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12

TOOLS USED

10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12

FORMATION RECORD

10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12
10-3-12 10-3-12 10-3-12

FORMATION RECORD—Continued