

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079001-A
LEASE OR PERMIT TO PROSPECT _____Unit Agreement No. 1, Sec. 929
UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY WORKOVER
JUN 27 1958U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Blackwood & Nichols Company Address P.O. Box 1237, Durango, Colorado
Lessee or Tract 6-B Field Blanco Mesaverde State New Mexico
Well No. Howell Sec. 3 T. 30N R. 7W Meridian NMPM County Rio Arriba
Location 990 ft. N. of S Line and 990 ft. E. of W Line of Section 3 Elevation 6328
(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 June 24, 1958 Title Field Superintendent

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

Commenced recompletion May 4, 1958 Finished recompletion May 21, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2900' to 3205' (G) No. 4, from 5150' to 5450' (G)
No. 2, from 3205' to 3270' (G) No. 5, from 5450' to 5585' (G)
No. 3, from 5115' to 5150' (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>12-3/4</u>	<u>45.5</u>	<u>8 rd</u>		<u>276'</u>	<u>HOWCO</u>				<u>Surface</u>
<u>9-5/8</u>	<u>36</u>	<u>8 rd</u>		<u>3212'</u>	<u>HOWCO</u>				<u>Intermediate</u>
<u>7</u>	<u>20</u>	<u>8 rd</u>		<u>4908'</u>	<u>HOWCO</u>				<u>Intermediate</u>
<u>4-1/2</u>	<u>9.5</u>	<u>8 rd</u>	<u>CPAI</u>	<u>5612'</u>	<u>Guide</u>		<u>5117'</u>	<u>5584'</u>	<u>Production</u>
<u>2-3/8</u>	<u>4.7</u>	<u>EUE</u>	<u>CPAI</u>	<u>5492'</u>	<u>-</u>				<u>Tubing</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>12-3/4</u>	<u>286</u>	<u>295</u>	<u>Single</u>		<u>Cement Circulated</u>
<u>9-5/8</u>	<u>3225'</u>	<u>68</u>	<u>Single</u>		<u>Top Cement 2750'</u>
<u>7</u>	<u>4920'</u>	<u>300</u>	<u>Single</u>		<u>Top Cement 3005'</u>
<u>4-1/2</u>	<u>5624'</u>	<u>400</u>	<u>Pump & Plug</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</u>	<u>fraced the Mesaverde Group thru</u>	<u>4 1/2"</u>		<u>casing perforations</u>	

TOOLS USED

Rotary tools were used from 0 feet to 5700 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing After recompletion June 16, 1958

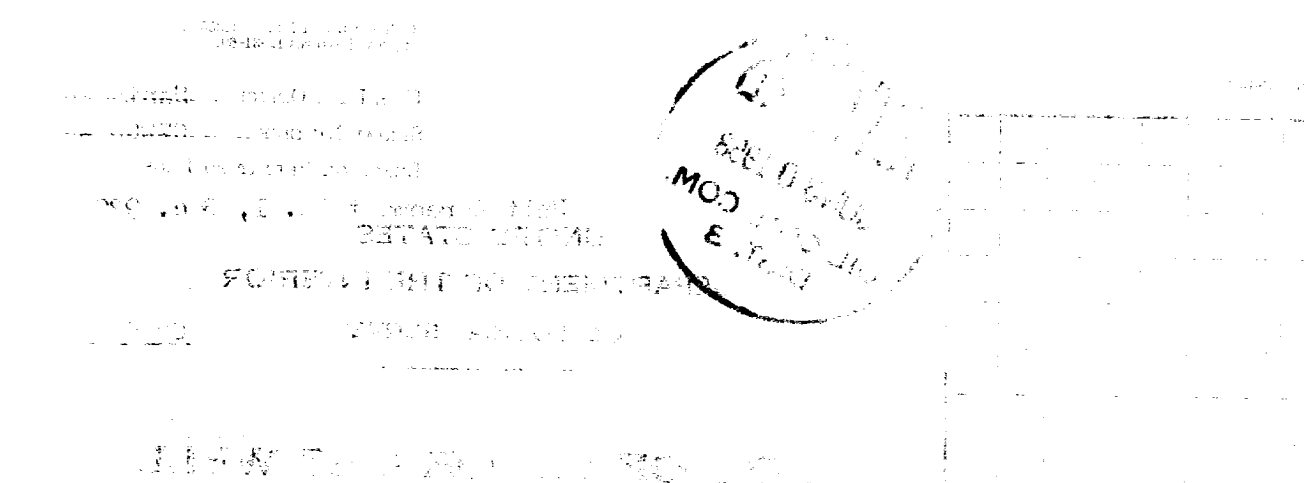
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 6,891 (AOF) Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 928 Rate of flow thru 3/4" choke after 3 hours
EMPLOYEES was 3,815 MCFFD

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>930'</u>	<u>930</u>	<u>San Jose</u>
<u>930'</u>	<u>2190'</u>	<u>1260</u>	<u>Animas</u>
<u>2190'</u>	<u>2300'</u>	<u>110</u>	<u>Ojo Alamo ss</u>
<u>2300'</u>	<u>2900'</u>	<u>600</u>	<u>Kirtland</u>
<u>2900'</u>	<u>3205'</u>	<u>305</u>	<u>Fruitland ss</u>
<u>3205'</u>	<u>3270'</u>	<u>65</u>	<u>Pictured Cliffs ss</u>
<u>3270'</u>	<u>5115'</u>	<u>1845</u>	<u>Lewis Shale</u>
<u>5115'</u>	<u>5150'</u>	<u>35</u>	<u>Massive Cliffhouse ss</u>
<u>5150'</u>	<u>5450'</u>	<u>300</u>	<u>Manefee Shale</u>
<u>5450'</u>	<u>5585'</u>	<u>135</u>	<u>Point Lookout ss</u>
<u>5585'</u>			<u>Mancos Shale</u>



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 "sacked out" 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 piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

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FROM-	TO-	TOTAL FEET	FORMATION
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