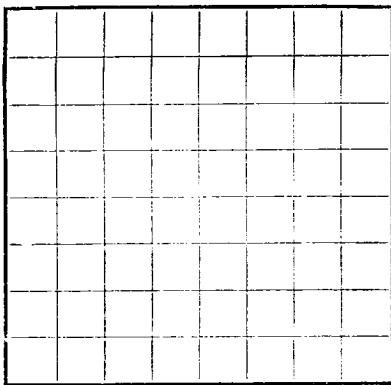




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **079043**

LEASE OR PERMIT TO PROSPECT

Unit Agreement No. 1 **Sec 229**

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Blackwood & Nichols Company** Address **P. O. Box 1237, Durango, Colorado**~~Reservoir~~ Tract **10** Field **Alamo Mesaverde** State **New Mexico**Well No. **20-28** Sec. **28** T. **31N** R. **7W** Meridian **NMPH** County **San Juan**Location **1190** ft. ~~SW~~ of **N** Line and **1650** ft. ~~SW~~ of **E** Line of **Section 28** Elevation **6401'**
(Elevation 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 **De Lasso Loos** **DE LASSO LOOS**Date **August 26, 1954** Title **Field Superintendent**

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

Commenced drilling **June 8**, 19**54** Finished drilling **July 28**, 19**54**~~Oil or Gas~~ GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2975'** to **3280'** No. 4, from **5345'** to **5520'**No. 2, from **3280'** to **3545'** No. 5, from **5520'** to **5680'**No. 3, from **5240'** to **5345'** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **None** 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	Nat'l	216'	Guide	—			Surface
7"	23.20	8rd	Nat'l	1228'	Plug	—			Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used	
10-3/4	227'	325	Pump & plug	Water	Circulated cement	
7"	5262	175 sz 4% gel w/44 sz Strata-Crete followed by 75 sz neat cement	Pump & plug	Water	Water	

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
Sandfraced						

TOOLS USED

Rotary tools were used from **0'** feet to **5695'** feet, and from _____ feet to _____ feet

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

DATES

Emp: 7-29, 19**54** 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 **2237 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1101 PSI**

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2070'	2070	Tertiary
2070'	2205'	135	Ojo Alamo
2205'	2975'	770	Kirtland
2975'	3280'	305	Fruitland
3280'	3545'	265	Pictured Cliffs
3545'	5240'	1695	Lewis Shale
5240'	5345'	105	Cliffhouse
5345'	5520'	175	Menefee
5520'	5680'	160	Point Lockout
5680'	5695'	15	Mancos Shale
	5695'	75	

[OVER]

16-43094-3

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