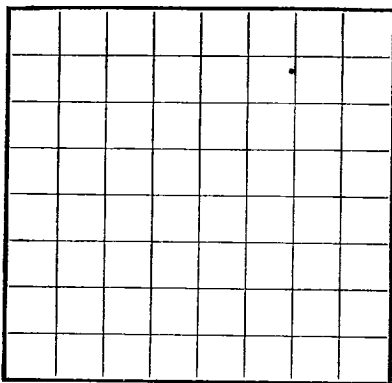




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **079042**

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

Company **Blackwood & Nichols Company** Address **P. O. Box 1237, Durango, Colorado**Tract **9** Field **Blanco Mesaverde** State **New Mexico**Well No. **3-51** Sec. **5** T. **30N** R. **7W** Meridian **NPM** County **San Juan**Location **1650** ft. **N.** of **S** Line and **1080** ft. **E.** of **W** Line of **Section 5** Elevation **6231**
(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 **De Lasso Loos** **DE LASSO LOOS**Date **October 18, 1954**Title **Field Superintendent**

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

Commenced drilling **August 22**, 19 **54** Finished drilling **September 24**, 19 **54**

GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2860'** to **3025'** No. 4, from **5075'** to **5360'**No. 2, from **3025'** to **3275'** No. 5, from **5360'** to **5520'**No. 3, from **5030'** to **5075'** 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	Natl	218'	Guide	- -	- -	- -	Surface
7"	23 1/2	8rd	Natl	203 1/2'	Pipe	- -	- -	- -	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	23 1/2'	200	Pump & Plug	- -	Circulated cement.
7"	503 1/2'	175 sz 4 1/2 gal w/44 sz	Pump & plug	- -	Water
		Strata-Crete followed			
		by 75 sz neat cement			

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
3 1/2	Sandfraced					

TOOLS USED

Rotary tools were used from **0'** feet to **553 1/2'** feet, and from _____ feet to _____ feet

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

DATES

Camp 9-24, 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 **4116 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1106 PSI**

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2070'	2070	Tertiary
2070'	2185'	115	Ojo Alamo
2185'	2860'	675	Kirtland
2860'	3025'	165	Fruitland
3025'	3275'	250	Pictured Cliffs
3275'	5030'	1755	Lewis Shale
5030'	5075'	45	Cliffhouse
5075'	5360'	285	Manafee
5360'	5520'	160	Point Lookout
5520'	5531'	11	Mancos Shale

(OVER)

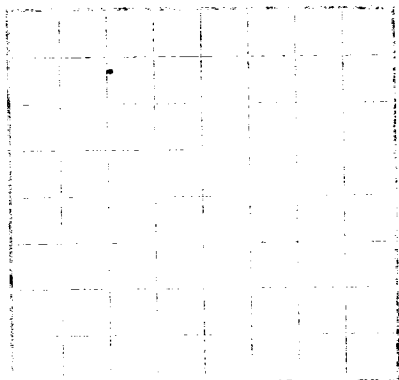
16-42094-3

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Company, Standard Oil Company, Address, Box 1234, Jackson, Mississippi
Well No. 1-2-3, Sec. 5, T. 30N, R. 3W, S. 10E, of 13th Line and 10th Line of Section 2, Township 13N, Range 3W, Meridian 10E
This information given here with 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 W. L. Jones Date October 10, 1924
Title Field Representative
The summary on this page is for the condition of the well at above date.
Commenced drilling at 10:00 a.m. on October 10, 1924 at 10:00 a.m.

OIL OR GAS SANDS OR ZONES

(Do not use for G)

No. 1, from 2850' to 2851' No. 4, from 2851' to 2852'
No. 2, from 2852' to 2853' No. 5, from 2853' to 2854'
No. 3, from 2854' to 2855' No. 6, from 2855' to 2856'

IMPORTANT WATER SANDS

No. 1, from 2857' to 2858' No. 3, from 2858' to 2859'
No. 2, from 2859' to 2860' No. 4, from 2860' to 2861'

CASING RECORD

Depth	Weight per foot	Thickness	Material	Amount	Kind of shoe	Cut and back of shoe	Remarks
2854'	10.00	0.10	Steel	10.00	None	None	10.00
2855'	10.00	0.10	Steel	10.00	None	None	10.00
2856'	10.00	0.10	Steel	10.00	None	None	10.00
2857'	10.00	0.10	Steel	10.00	None	None	10.00
2858'	10.00	0.10	Steel	10.00	None	None	10.00
2859'	10.00	0.10	Steel	10.00	None	None	10.00
2860'	10.00	0.10	Steel	10.00	None	None	10.00
2861'	10.00	0.10	Steel	10.00	None	None	10.00
2862'	10.00	0.10	Steel	10.00	None	None	10.00
2863'	10.00	0.10	Steel	10.00	None	None	10.00
2864'	10.00	0.10	Steel	10.00	None	None	10.00
2865'	10.00	0.10	Steel	10.00	None	None	10.00
2866'	10.00	0.10	Steel	10.00	None	None	10.00
2867'	10.00	0.10	Steel	10.00	None	None	10.00
2868'	10.00	0.10	Steel	10.00	None	None	10.00
2869'	10.00	0.10	Steel	10.00	None	None	10.00
2870'	10.00	0.10	Steel	10.00	None	None	10.00
2871'	10.00	0.10	Steel	10.00	None	None	10.00
2872'	10.00	0.10	Steel	10.00	None	None	10.00
2873'	10.00	0.10	Steel	10.00	None	None	10.00
2874'	10.00	0.10	Steel	10.00	None	None	10.00
2875'	10.00	0.10	Steel	10.00	None	None	10.00
2876'	10.00	0.10	Steel	10.00	None	None	10.00
2877'	10.00	0.10	Steel	10.00	None	None	10.00
2878'	10.00	0.10	Steel	10.00	None	None	10.00
2879'	10.00	0.10	Steel	10.00	None	None	10.00
2880'	10.00	0.10	Steel	10.00	None	None	10.00
2881'	10.00	0.10	Steel	10.00	None	None	10.00
2882'	10.00	0.10	Steel	10.00	None	None	10.00
2883'	10.00	0.10	Steel	10.00	None	None	10.00
2884'	10.00	0.10	Steel	10.00	None	None	10.00
2885'	10.00	0.10	Steel	10.00	None	None	10.00
2886'	10.00	0.10	Steel	10.00	None	None	10.00
2887'	10.00	0.10	Steel	10.00	None	None	10.00
2888'	10.00	0.10	Steel	10.00	None	None	10.00
2889'	10.00	0.10	Steel	10.00	None	None	10.00
2890'	10.00	0.10	Steel	10.00	None	None	10.00
2891'	10.00	0.10	Steel	10.00	None	None	10.00
2892'	10.00	0.10	Steel	10.00	None	None	10.00
2893'	10.00	0.10	Steel	10.00	None	None	10.00
2894'	10.00	0.10	Steel	10.00	None	None	10.00
2895'	10.00	0.10	Steel	10.00	None	None	10.00
2896'	10.00	0.10	Steel	10.00	None	None	10.00
2897'	10.00	0.10	Steel	10.00	None	None	10.00
2898'	10.00	0.10	Steel	10.00	None	None	10.00
2899'	10.00	0.10	Steel	10.00	None	None	10.00
2900'	10.00	0.10	Steel	10.00	None	None	10.00
2901'	10.00	0.10	Steel	10.00	None	None	10.00
2902'	10.00	0.10	Steel	10.00	None	None	10.00
2903'	10.00	0.10	Steel	10.00	None	None	10.00
2904'	10.00	0.10	Steel	10.00	None	None	10.00
2905'	10.00	0.10	Steel	10.00	None	None	10.00
2906'	10.00	0.10	Steel	10.00	None	None	10.00
2907'	10.00	0.10	Steel	10.00	None	None	10.00
2908'	10.00	0.10	Steel	10.00	None	None	10.00
2909'	10.00	0.10	Steel	10.00	None	None	10.00
2910'	10.00	0.10	Steel	10.00	None	None	10.00
2911'	10.00	0.10	Steel	10.00	None	None	10.00
2912'	10.00	0.10	Steel	10.00	None	None	10.00
2913'	10.00	0.10	Steel	10.00	None	None	10.00
2914'	10.00	0.10	Steel	10.00	None	None	10.00
2915'	10.00	0.10	Steel	10.00	None	None	10.00
2916'	10.00	0.10	Steel	10.00	None	None	10.00
2917'	10.00	0.10	Steel	10.00	None	None	10.00
2918'	10.00	0.10	Steel	10.00	None	None	10.00
2919'	10.00	0.10	Steel	10.00	None	None	10.00
2920'	10.00	0.10	Steel	10.00	None	None	10.00
2921'	10.00	0.10	Steel	10.00	None	None	10.00
2922'	10.00	0.10	Steel	10.00	None	None	10.00
2923'	10.00	0.10	Steel	10.00	None	None	10.00
2924'	10.00	0.10	Steel	10.00	None	None	10.00
2925'	10.00	0.10	Steel	10.00	None	None	10.00
2926'	10.00	0.10	Steel	10.00	None	None	10.00
2927'	10.00	0.10	Steel	10.00	None	None	10.00
2928'	10.00	0.10	Steel	10.00	None	None	10.00
2929'	10.00	0.10	Steel	10.00	None	None	10.00
2930'	10.00	0.10	Steel	10.00	None	None	10.00
2931'	10.00	0.10	Steel	10.00	None	None	10.00
2932'	10.00	0.10	Steel	10.00	None	None	10.00
2933'	10.00	0.10	Steel	10.00	None	None	10.00
2934'	10.00	0.10	Steel	10.00	None	None	10.00
2935'	10.00	0.10	Steel	10.00	None	None	10.00
2936'	10.00	0.10	Steel	10.00	None	None	10.00
2937'	10.00	0.10	Steel	10.00	None	None	10.00
2938'	10.00	0.10	Steel	10.00	None	None	10.00
2939'	10.00	0.10	Steel	10.00	None	None	10.00
2940'	10.00	0.10	Steel	10.00	None	None	10.00
2941'	10.00	0.10	Steel	10.00	None	None	10.00
2942'	10.00	0.10	Steel	10.00	None	None	10.00
2943'	10.00	0.10	Steel	10.00	None	None	10.00
2944'	10.00	0.10	Steel	10.00	None	None	10.00
2945'	10.00	0.10	Steel	10.00	None	None	10.00
2946'	10.00	0.10	Steel	10.00	None	None	10.00
2947'	10.00	0.10	Steel	10.00	None	None	10.00
2948'	10.00	0.10	Steel	10.00	None	None	10.00
2949'	10.00	0.10	Steel	10.00	None	None	10.00
2950'	10.00	0.10	Steel	10.00	None	None	10.00
2951'	10.00	0.10	Steel	10.00	None	None	10.00
2952'	10.00	0.10	Steel	10.00	None	None	10.00
2953'	10.00	0.10	Steel	10.00	None	None	10.00
2954'	10.00	0.10	Steel	10.00	None	None	10.00
2955'	10.00	0.10	Steel	10.00	None	None	10.00
2956'	10.00	0.10	Steel	10.00	None	None	10.00
2957'	10.00	0.10	Steel	10.00	None	None	10.00
2958'	10.00	0.10	Steel	10.00	None	None	10.00
2959'	10.00	0.10	Steel	10.00	None	None	10.00
2960'	10.00	0.10	Steel	10.00	None	None	10.00
2961'	10.00	0.10	Steel	10.00	None	None	10.00
2962'	10.00	0.10	Steel	10.00	None	None	10.00
2963'	10.00	0.10	Steel	10.00	None	None	10.00
2964'	10.00	0.10	Steel	10.00	None	None	10.00
2965'	10.00	0.10	Steel	10.00	None	None	10.00
2966'	10.00	0.10	Steel	10.00	None	None	10.00
2967'	10.00	0.10	Steel	10.00	None	None	10.00
2968'	10.00	0.10	Steel	10.00	None	None	10.00
2969'	10.00	0.10	Steel	10.00	None	None	10.00
2970'	10.00	0.10	Steel	10.00	None	None	10.00
2971'	10.00	0.10	Steel	10.00	None	None	10.00
2972'	10.00	0.10	Steel	10.00	None	None	10.00
2973'	10.00	0.10	Steel	10.00	None	None	10.00
2974'	10.00	0.10	Steel	10.00	None	None	10.00
2975'	10.00	0.10	Steel	10.00	None	None	10.00
2976'	10.00	0.10	Steel	10.00	None	None	10.00
2977'	10.00	0.10	Steel	10.00	None	None	10.00
2978'	10.00	0.10	Steel	10.00	None	None	10.00
2979'	10.00	0.10	Steel	10.00	None	None	10.00
2980'	10.00	0.10	Steel	10.00	None	None	10.00
2981'	10.00	0.10	Steel	10.00	None	None	10.00
2982'	10.00	0.10	Steel	10.00	None	None	10.00
2983'	10.00	0.10	Steel	10.00	None	None	10.00
2984'	10.00	0.10	Steel	10.00	None	None	10.00
2985'	10.00	0.10	Steel	10.00	None	None	10.00
2986'	10.00	0.10	Steel	10.00	None	None	10.00
2987'	10.00	0.10	Steel	10.00	None	None	10.00
2988'	10.00	0.10	Steel	10.00	None	None	10.00
2989'	10.00	0.10	Steel	10.00	None	None	10.00
2990'	10.00	0.10	Steel	10.00	None	None	10.00
2991'	10.00	0.10	Steel	10.00	None	None	10.00
2992'	10.00	0.10	Steel	10.00	None	None	10.00
2993'	10.00	0.10	Steel	10.00	None	None	10.00
2994'	10.00	0.10	Steel	10.00	None	None	10.00
2995'	10.00	0.10	Steel	10.00	None	None	10.00
2996'	10.00	0.10	Steel	10.00	None	None	10.00
2997'	10.00	0.10	Steel	10.00	None	None	10.00
2998'	10.00	0.10	Steel	10.00	None	None	10.00
2999'	10.00	0.10	Steel	10.00	None	None	10.00
3000'	10.00	0.10	Steel	10.00	None	None	10.00

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, state in the well, give the size and location. If the well has been abandoned, 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 10-45084-2

MUDDING AND CEMENTING RECORD

Depth	Weight per foot	Thickness	Material	Amount	Kind of shoe	Cut and back of shoe	Remarks
2854'	10.00	0.10	Steel	10.00	None	None	10.00
2855'	10.00	0.10	Steel	10.00	None	None	10.00
2856'	10.00	0.10	Steel	10.00	None	None	10.00
2857'	10.00	0.10	Steel	10.00	None	None	10.00
2858'	10.00	0.10	Steel	10.00	None	None	10.00
2859'	10.00	0.10	Steel	10.00	None	None	10.00
2860'	10.00	0.10	Steel	10.00	None	None	10.00
2861'	10.00	0.10	Steel	10.00	None	None	10.00
2862'	10.00	0.10	Steel				