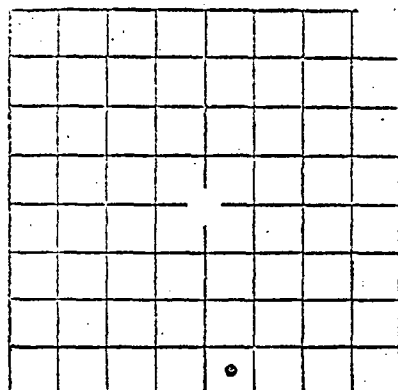




Loc Hills
2nd 11"
No. 1

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Roland Rich Woolley Address C/o C. J. Dexter, Artesia, N. M.
Lessor or Tract Woolley Field Loco Hills State New Mexico
Well No. 1-D Sec. 31 T. 17 R. 30 Meridian NMPM County Eddy
Location 330 ft. (N.) of S. Line and 2310 ft. (W.) of E. Line of Sec. 31 Elevation (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 C. J. Dexter, Contractor

Date September 7, 1939

Wdr. By Laura Watson

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

Commenced drilling July 8, 1939. Finished drilling August 22, 1939

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1850 to 1855 Gas Show No. 4, from to
No. 2, from 2830 to 2840 Oil & Gas No. 5, from to
No. 3, from to 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	
8 1/2"	52 1/2"	8	Chester	533'4"	Regular				
7" OD	24 1/2"	8	Chester	2639'9"	Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/2"	533'4"	50	Halliburton	Heavy	Top to Bottom
7" OD	2639'9"	100	"	"	" " "

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
		Nitroglycerin	100	8-23	2820-40	2840

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 2840 feet, and from feet to feet

DATES

 , 19 Put to producing August 23, 1939

The production for the first 24 hours was 75 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. After shot 300 bbls. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

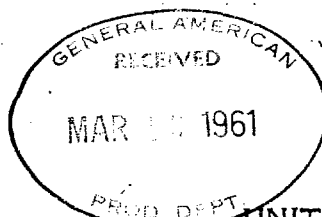
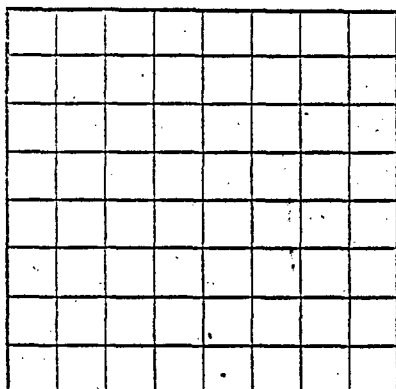
Rock pressure, lbs. per sq. in.

EMPLOYEES

R. E. Dannel, Driller M. A. Lonslev, Driller
P. F. Johnson, Driller H. C. Adams, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	295	295	Red bed
295	345	50	Light gyp
345	395	50	Gyp and red bed - Water 380.
395	525	130	Red bed
525	630	105	Salt - Ran 533'4" of 8 1/2" pipe
630	750	120	Salt and gyp
750	810	60	Salt
810	990	180	Salt and gyp
990	1140	150	Anhydrite and salt
1140	1150	10	Salt
1150	1175	25	Anhydrite
1175	1180	5	Light shale
1180	1350	170	Anhydrite
1350	1380	30	Anhydrite and red shale
1380	1445	65	Anhydrite
1445	1450	5	Salt
1450	2295	745	Anhydrite - Show of gas - 1850-55
2295	2312	17	Anhydrite
2312	2320	8	Red sand
2320	2345	25	Red sand and anhydrite
2345	2540	195	Anhydrite
2540	2610	70	Anhydrite and sand
2610	2630	20	Anhydrite
2630	2675	45	Gray lime - Set 2639'9" 7" OD
2675	2685	10	Gray sandy lime
2685	2810	125	Gray lime
2810	2815	5	Brown lime
2815	2840	25	Sand & Oil and gas 2830-40

U. S. LAND OFFICE L. C.
SERIAL NUMBER 028926-D
LEASE OR PERMIT TO PROSPECT WoolleyUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY
Company Roland Rich Woolley Address c/o C. J. Dexter
Artesia, New Mexico
Lessor or Tract Woolley Field Loco Hills State New Mexico
Well No. 3-D Sec. 31 T. 17 R. 30 Meridian NMPM County Eddy
Location 2310 ft. N. of N. Line and 330 ft. E. of W. Line of S. & C. 31 Elevation _____
(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 _____
Date _____ Title InspectorThe summary on this page is for the condition of the well at above date.
Commenced drilling Feb. 10, 1940 Finished drilling March 21, 1940

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1805 to 1810 No. 4, from _____ to _____
No. 2, from 2794 to 2811 Oil Pay No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 378 to 380 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>8 1/4"</u>	<u>24#</u>	<u>10</u>	<u>Natb</u>	<u>665</u>	<u>Regular</u>				
<u>7" O.D.</u>	<u>20#</u>	<u>10</u>	<u>Pittsburg</u>	<u>2705'5"</u>	<u>Flare</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 1/4"</u>	<u>665'</u>	<u>50</u>	<u>Ball mill</u>	<u>Heavy</u>	<u>Top to bottom</u>
<u>7" O.D.</u>	<u>2705'5"</u>	<u>100</u>	<u>"</u>	<u>"</u>	<u>"</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>Nitroglycerin</u>	<u>100 lbs</u>	<u>3-21</u>	<u>2794-2811</u>	<u>2811</u>

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from ✓ feet to 2811 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing March 20, 1940The production for the first 24 hours was 200 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

M. A. Lapsley, Driller _____, Driller
P. F. Johnson, Driller _____, Driller
Oscar Burch, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	45	45	Sand and red bed
45	75	30	Red beds
75	125	50	Sand and red bed
125	165	40	Red bed
165	205	40	Red mud
205	255	50	Red bed and sand
255	305	50	Red bed and gyp
305	395	90	Gyp Water 378
395	440	45	Gyp and Red bed
440	485	45	Gyp
485	530	45	Red bed and gyp shells
530	1025	495	Salt - Set 665' of 8 1/4" casing
1025	1045	20	Anhydrite
1045	1055	10	Salt
1055	1265	210	Anhydrite
1265	1300	35	Anhydrite and brown shale
1300	1565	265	Anhydrite
1565	1600	35	Anhydrite and brown shale
1600	2275	675	Anhydrite Gas show 1805
2275	2305	30	Red sand
2305	2395	90	Anhydrite
2395	2415	20	Anhydrite and gray lime
2415	2560	145	Anhydrite
2560	2570	10	Red sand
2570	2590	20	Anhydrite
2590	2610	20	Gray lime
2610	2630	20	(OVER) Anhydrite

SUPPLEMENTAL

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028936 D
LEASE OR PERMIT TO PROSPECT _____

Loos Hill
Feb 19
No. 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Roland Rich Woolley Address Box 456, Artesia, New Mexico
 Lessor or Tract Roland Rich Woolley Field Premier State New Mexico
 Well No. 3D Sec. 31 T. 17S R. 31E Meridian NMPM County Eddy
 Location 2310 ft. {^N/_S} of N. Line and 2310 ft. {^E/_W} of W. Line of Sec. 31 Elevation _____
(Vertical line relative to 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 John J. [illegible]

Date April 18, 1951 Title Superintendent

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

Commenced drilling March 7 1951 Finished drilling April 15 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3021 to 3044 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 _____ 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—	
11 in. 17	36 lb.	10	10	100	10	10	10	10	10

MUDDING AND CEMENTING RECORD

Size casting	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
4" liner	2662-2862	100	Welliburton	none	

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
1 2	4#-30 4#-20	OWE	70 cts.	4/9/51	3021-49	Total Depth

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 3061 feet, and from _____ feet to _____ feet

DATES

-----April 18-----, 1951----- Put to producing-----April 15-----, 1951-----

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 -----

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

EMPLOYEES

W. H. Settlementire	Driller	Clyde Galloway	Driller
Harry Hubbard	Driller		Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
2811	2815		Lime
2815	2862		Grey Lime
2862	2867		Lime
2867	2870		Grey Lime
2870	2874		Lime
2874	2888		Grey Lime
2888	2895		Lime
2895	2909		Grey Lime
2909	2915		Lime
2915	2920		Grey Lime
2920	2927		Sandy Lime (S/O)
2927	2945		White Lime
2945	2955		Lime
2955	2960		Grey Lime
2960	2967		Pink Lime
2967	2975		Grey Lime
2975	2987		Lime
2987	2995		Grey Sandy Lime (S/G)
2995	3011		White Lime
3011	3026		Grey Lime
3026	3040		Grey Sandy Lime (S/O & G)
3040	3044		Grey Lime
3044	3050		White Lime
3050	3055		Grey Lime
3055	3061		Grey and Pink Lime
	3061		Total Depth

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Los Alamos
Lease No. 088901
Unit F

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 2, 1951

Well No. Woolley 3-D is located 2310 ft. from N line and 2310 ft. from E line of sec. 31
33 NW Sec. 31 17E 30E 14N
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Loco Hills Socorro New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

March 27, 1951: 5-1/2" 17# liner was set from 2662 to 2662, cemented with 100 sacks cement, by Halliburton Oil Well Cementing Company. Baker Tool Company retriever was used on bottom of liner and cement pumped through 2" tubing. This set 72 hours and was bailed and dry and tested before drilling; was resumed. This cemented liner shut off Loco Hills pay. 7" casing was set at 2704 feet.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

ROLAND NICH WOOLLEY

Company _____

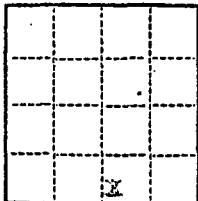
Box 456

Address _____

Artesia, New Mexico

By [Signature]
Superintendent

Title _____



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. _____

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 23, 1954

19

Colley 1-B

Well No. _____ is located 330 ft. from NT line and 2310 ft. from E line of sec. 31Sec. 31 Twp. 17 S Range 30 E Meridian S.R.P.M.

(Of Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Loco MillsAdairNew Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On January 27, 1954 we Sandoil treated this well with 110 sacks of sand and 8,000 gal of 24 gravity oil and flushed with 60 bbls fresh oil by Wellborton Oil Well Cementing Company. The well took 5 or 6 bbls per minute, Sandoil in at 4200' and flush oil in at 3200'. Shut in 10 minutes it then had 1100' on tubing.

On January 28, 1954 casing pressure was 450', tubing pressure zero, on vacuum.

This well was making approximately 3 bbls per 24 hrs before treatment and is making 16 to 22 bbls per 24 hrs after all load oil has been recovered.

The original total depth was 2840' and is now 2856'. The top of the pay was, and is at 2830'.

2840' to 2856' ~~oil sand~~ *Sand line*

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Poland Rich ColleyAddress Box 398Loco MillsNew MexicoBy [Signature]Title Superintendent

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	70	70	REASD
70	155	85	RB
155	165	400	An
195	200	5	RB
200	210	10	An
210	235	15	RB
225	250	5	Crevice
230	235	5	An
235	250	15	RB
250	320	70	An
320	335	15	Gravel
335	345	10	RB
345	350	5	Water Sand
350	392	42	RB
392	405	82	An
395	1140	695	Salt
1140	1155	15	An
1155	1160	5	Blu Shale
1160	1180	20	An
1180	1185	5	RB
1185	1225	40	Shale
1225	1330	205	An
1330	1393	65	An & RB bks
1393	1405	10	An
1405	1445	40	Rd Sdy Shale
1445	1470	25	An
1470	1495	25	Rd Bds
1495	1545	50	Broken An
1545	1585	40	An & RB Bks
1585	1590	5	Rd Bds
1590	1620	30	Rd Bds & An Bks
1620	1655	35	Shale & An
1655	1680	25	An & RB Bks
1680	1775	95	An
1775	1800	25	Br Lm
1800	1855	55	An & Br Lm (Sho. oil 1800-45)
1855	2040	185	An
2040	2095	55	An & Rd Shale Bks
2095	2325	30	An
2325	2365	40	Rd Sand
2365	2415	50	Br Lm & An Bks
2415	2425	10	Br Lm
2425	2440	15	An
2440	2475	35	An & Br Lm Shells
2475	2500	25	Br Lm
2500	2555	55	An
2555	2585	10	Br Lm & Shale Bks
2585	2595	10	Sdy Shale (S.O.)
2595	2625	40	An
2625	2640	15	An & sand
2640	2661	21	Pink Lime
2661	2679	18	Drk Gr Lm
2679	2816	137	Gr Lm
2816	2830	14	Gray Sand (O&G Show)
2830	2854	24	Brown Sand (O&G) fill up 1500'
2854	2863	8	Gray Lime

FORMATION RECORD-Continued

FROM	TO	TOTAL	FORMATION
2630	2650	20	Anhydrite
2650	2670	20	Anhydrites and gray lime
2670	2794	24	Gray limes - Set 2705' 5" 7" OD
			20# - 10 thd
2794	2811	17	Sand - Oil and gas pay.