EXHIBIT

CASING PROGRAM FOR INJECTION WELLS

OPERATOR	LEASE	WELL NO.	WELL TOTAL DEPTH FEET	PAY INTERVAL FEET	TYPE CASING STRING	DEPTH CASING SET	SACKS CEMENT USED	SIZE INCHES	WEIGHT LBS./FT.	GRADE	REMARKS
Producing Wells to be Converted to Inputs											
General American Oil Co. of Texas	Beeson "F"	2	2,792	2,770-90	Surface	505	50	8-5/8	24	-	
					Production	2,645	100	7	20	-	
	Beeson "F"	(1)4	3,083	2,812-31	Surface	653	50	8-5/8	24	-	
					Production	2,718	100	7	20	-	
					Liner	2,663-2,905	85	5-1/2	14	-	Set with Baash-Ross Model 131 lead ring & rubber seal liner hanger
	Beeson "F"	(1)5	3,101	2,831-50	Surface	619	50	8-5/8	24	-	
					Production	2,722	100	7	20	-	
					Liner	2,656-2,896	45	5-1/2	14	-	Set with Baash-Ross Model 131 lead seal liner hanger
	Beeson "F"	11			Surface	482	50	8-5/8	24	-	
					Production	3,001	100	7	20	-	
Ambassador Oil Corp.	Federal "M"	1	2,856	2,830-40	Surface	533	50	8-1/4	-	-	
					Production	2,640	100	7	-	-	
	Federal "L"	(1)1	3,061	2,794-2,811	Surface	665	50	8-1/4	24	-	
					Production	2,705	100	7	20	-	
					Liner	2,662-2,862	100	5-1/2	17	-	

(1) These wells that have liners set through to a deeper sand will be plugged back by acceptable methods to restrict the injection of water to the Loco Hills Sand Interval.

Input Wells to be Drilled (The following input wells to be drilled will be cased and cemented in conformance with the requirements of the Conservation Commission of the State of New Mexico)

General American Oil	State "A"-1778	2
	Beeson "F"	16
	Beeson "F"	17
Ambassador Oil Corp.	Federal "L"	5
	Federal "M"	6

KN:gk 3-6-61

EXHIBIT

CASING PROGRAM FOR INJECTION WELLS

OPERATOR	LEASE	WELL NO.	WELL TOTAL DEPTH FEET	PAY INTERVAL FEET	TYPE CASING STRING	DEPTH CASING SET	SACKS CEMENT USED	SIZE INCHES	WEIGHT LBS./FT.	GRADE	REMARKS
Producing Wells to be Converted to Inputs											
General American Oil Co. of Texas	Beeson "F"	2	2,792	2,770-90	Surface	505	50	8-5/8	24	-	
					Production	2,645	100	7	20	-	
	Beeson "F"	(1)4	3,083	2,812-31	Surface	653	50	8-5/8	24	-	
					Production	2,718	100	7	20	-	
					Liner	2,663-2,905	85	5-1/2	14	-	Set with Baash-Ross Model 131 lead ring & rubber seal liner hanger
	Beeson "F"	(1)5	3,101	2,831-50	Surface	619	50	8-5/8	24	-	
					Production	2,722	100	7	20	-	
					Liner	2,656-2,896	45	5-1/2	14	-	Set with Baash-Ross Model 131 lead seal liner hanger
	Beeson "F"	11			Surface	482	50	8-5/8	24	-	
					Production	3,001	100	7	20	-	
Ambassador Oil Corp.	Federal "M"	1	2,856	2,830-40	Surface	533	50	8-1/4	-	-	
					Production	2,640	100	7	-	-	
	Federal "L"	(1)1	3,061	2,794-2,811	Surface	665	50	8-1/4	24	-	
					Production	2,705	100	7	20	-	
					Liner	2,662-2,862	100	5-1/2	17	-	

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	Beeson "F"	16
	Beeson "F"	17
Ambassador Oil Corp.	Federal "L"	5
	Federal "M"	6

KN:gk 3-6-61

EXHIBIT

CASING PROGRAM FOR INJECTION WELLS

OPERATOR	LEASE	WELL NO.	WELL TOTAL DEPTH FEET	PAY INTERVAL FEET	TYPE CASING STRING	DEPTH CASING SET	SACKS CEMENT USED	SIZE INCHES	WEIGHT LBS./FT.	GRADE	REMARKS
Producing Wells to be Converted to Inputs											
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					Production	2,645	100	7	20	-	
	Beeson "F"	(1)4	3,083	2,812-31	Surface	653	50	8-5/8	24	-	
					Production	2,718	100	7	20	-	
					Liner	2,663-2,905	85	5-1/2	14	-	Set with Baash-Ross Model 131 lead ring & rubber seal liner hanger
	Beeson "F"	(1)5	3,101	2,831-50	Surface	619	50	8-5/8	24	-	
					Production	2,722	100	7	20	-	
					Liner	2,656-2,896	45	5-1/2	14	-	Set with Baash-Ross Model 131 lead seal liner hanger
	Beeson "F"	11			Surface	482	50	8-5/8	24	-	
					Production	3,001	100	7	20	-	
Ambassador Oil Corp.	Federal "M"	1	2,856	2,830-40	Surface	533	50	8-1/4	-	-	
					Production	2,640	100	7	-	-	
	Federal "L"	(1)1	3,061	2,794-2,811	Surface	665	50	8-1/4	24	-	
					Production	2,705	100	7	20	-	
					Liner	2,662-2,862	100	5-1/2	17	-	

(1) These wells that have liners set through to a deeper sand will be plugged back by acceptable methods to restrict the injection of water to the Loco Hills Sand Interval.

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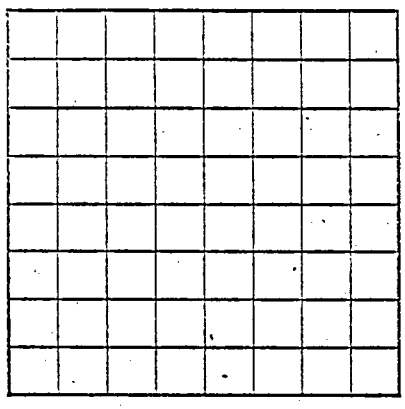
General American Oil	State "A"-1778	2
	Beeson "F"	16
	Beeson "F"	17
Ambassador Oil Corp.	Federal "L"	5
	Federal "M"	6

KN:gk 3-6-61

Case No.
2238

Large
Exhibits.

Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE L. C.
SERIAL NUMBER 028926-D
LEASE OR PERMIT TO PROSPECT Woolley

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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./S.} of N Line and 2310 ft. {E./W.} of W 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 ____

Date ____ Title Contractor

The 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 G

No. 2, from 2794 to 2811 Oil Pay

No. 3, from ____ to ____

No. 4, from ____ to ____

No. 5, from ____ to ____

No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 378 to 380

No. 2, from ____ to ____

No. 3, 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 From—	Perforated To—	Purpose
8¼"	24#	10	Natl	665	Regular Float				
7" OD	20#	10	Pittsburg	2705'5"	Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8¼"	665'	50	Halliburton	Heavy	Top to bottom
7" OD	2705'5"	100	"	"	" " "

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

FOLD | MARK

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Nitroglycerin	100 qts	3-21	2794-2811	2811

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, 1940

The 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 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 8¼" 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	120	Anhydrite and gray lime
2415	2560	145	Anhydrite
2560	2570	20	Red sand
2570	2590	20	Anhydrite
2590	2610	20	Gray lime
2610	2630	20	Anhydrite

(OVER)

Form 9-330

Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

SUPPLEMENTAL

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

Loco Hills
Fed "L"
No. 1

			O				

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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 ______ (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 [signature]

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, 19 51 Finished drilling April 15, 19 51

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 From—	Perforated To—	Purpose
5½" liner	12.7#			200'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5½" liner	2662-2862	100	Halliburton	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
3	4"-30	OWE	70 qts.	4/9/51	3021-49	Total Depth
2	4"-20					

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 ______ Gallons gasoline per 1,000 cu. ft. of gas ______

Rock pressure, lbs. per sq. in. ______

EMPLOYEES

W. H. Settlemire, 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

Form 9-331 a
(March 1942)

Approval expires 11-30-49.

Land Office Las Cruces
Lease No. 028936 b
Unit P

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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, 19 52

Well No. Woolley 3-P is located 2310 ft. from {N/S} line and 2310 ft. from {E/W} line of sec. 31

SE NW Sec. 31 (¼ Sec. and Sec. No.) | 17S (Twp.) | 30E (Range) | NMPM (Meridian)

Loco Hills (Field) | Eddy (County or Subdivision) | New Mexico (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 retainer was used on bottom of liner and cement pumped through 2" tubing. This set 72 hours and was bailed out 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.

Company ROLAND RICH WOOLLEY

Address Box 456

Artesia, New Mexico

By _____

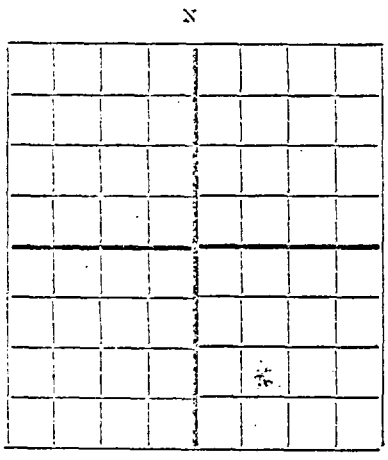
Title Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16-8427-2

ILLEGIBLE

FORM C-105

Federal #3



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

ILLEGIBLE

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Roland Rich Woolley (Company or Operator) Bx 368 Loco Hills New Mexico (Address)

Woolley (Lease) Well No. 5-B in NW/4 SW/4 of Sec. 31, T. 17

R. 30, N. M. P. M., Loco Hills Field, Eddy County.

Well is 4290 feet south of the North line and 1650 feet west of the East line of Sec 31

If State land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is ....., Address .....

If Government land the permittee is Roland Rich Woolley, Address Loco Hills

The Lessee is Roland Rich Woolley, Address .....

Drilling commenced 5-25 1947 Drilling was completed 6-30 1947

Name of drilling contractor Same, Address .....

Elevation above sea level at top of casing ? feet.

The information given is to be kept confidential until ..... 19.....

OIL SANDS OR ZONES

No. 1, from 1230- to 45 No. 4, from ..... to .....

No. 2, from 2828 to 2830 No. 5, from ..... to .....

No. 3, from 2830 to 2857 No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 325 to 350 feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
8 5/8"	28	8	Nat	496'	Plain				
7"	20	8	Nat	3777'	Plain				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT ~~OF MUD USED~~
~~8-5/8"~~						
10"	8 5/8"	496'	50	Halliburton		Top to bottom
8"	7"	3777'	100	do		Top to Bottom

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth Set .....

Adapters—Material ..... Size .....

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
8"	5	Glycern	170 qts	7-1-47	2818-2862	T.D.

Results of shooting or chemical treatment Oil raised 1500' in 7" hole before shot and flowed through 7" after shot. Made 90 bbls on swab test, and 80 bbls on tubing test flowing.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing 7-8-47, 19.....

The production of the first 24 hours was 50 barrels of fluid of which 100 % was oil; ..... %

emulsion; ..... % water; and ..... % sediment. Gravity, Be 36.5

If gas well, cu. ft. per 24 hours no test Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 300 lbs

EMPLOYEES

W.H.Settlemire, Driller Karl E Smith, Driller

Jack Clemons, Driller ....., Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 10 day of July, 1947

Notary Public

Loco Hills (Place) 7-10-47 (Date)

Name Superintendent

Position .....

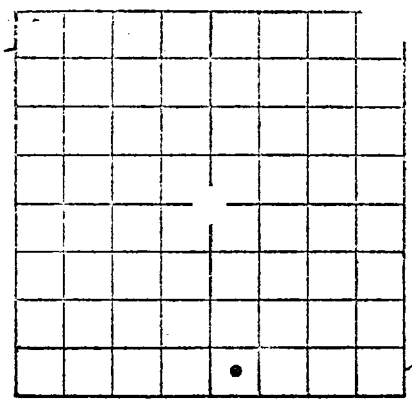
Representing Roland Rich Woolley (Company or Operator)

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	70	70	[illegible]d
70	155	85	RB
155	195	400	An
195	200	5	RB
200	210	10	An
210	225	15	RB
225	230	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	[illegible]ter Sand
350	[illegible]	44	RB
394	455	61	An
455	1140	685	Salt
1140	1155	15	An
1155	1160	5	Blu Shale
1160	1180	20	An
1180	1185	5	RB
1185	1225	40	An&Shale
1225	1330	105	An
1330	1395	65	An & RB Sks
1395	1405	10	An
1405	1445	40	Rd Sdy Shale
1445	1470	25	An
1470	1495	25	Rd Sds
1495	1545	50	Brken An
1545	1585	40	An & RB Sks
1585	1590	5	Rd Sds
1590	1620	30	Rd Sds & An Sks
1620	1655	35	Shale & An
1655	1680	25	An & RB Sks
1680	1775	95	An
1775	1800	25	Br Lm
1800	1855	55	An & Br Lm (Show oil 1800-45
1855	2040	185	An
2040	[illegible]95	255	[illegible]n & Rd Shale Sks
2295	2325	30	An
2325	2365	40	Red Sdd
2365	2415	50	Br Lm & An Sks
[illegible]15	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	2565	10	Br Lm & Shale Sks
2565	2585	20	Sdy Shale (S.O.)
2585	2625	40	An
2625	2640	15	An & Sand
2640	2641	1	Pink Lime
2641	2679	18	Drk Gr Lm
2679	2815	137	Gr Lm
2815	2830	14	Gray Sand (O&G Show)
2830	2884	54	Brown Sand (O& G) fill up 1500'

ILLEGIBLE

Form 9-330



LOCATE WELL CORRECTLY

Land Office L. C.
Serial Number 028936-D
Lease or Permit to Prospect Woolley

Loco Hills Lease No. 1

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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. / S.} of S Line and 2310 ft. {E. / 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
Title By Laura Watson

Date September 7, 1939

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 Sho No. 4, from ____ to ____

No. 2, from 2830 to 2840 Oil & Ga 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 From	Perforated To	Purpose
8¼"	32#	8	Chester	533'4"	Regular				
7"OD	24#	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
8¼"	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 to 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

E. E. Bennell, Driller M. A. Langley, 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 8¼" 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

(OVER)

0—6745

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

(SUBMIT IN TRIPLICATE)

Land Office ....

Lease No. ....

Unit ....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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....

Well No. Woolley 1-B is located 330 ft. from {N/S} line and 2310 ft. from {E/W} line of sec. 31

[illegible] Sec. 31 (¼ Sec. and Sec. No.) 17 S (Twp.) 30 E (Range) N.M.P.M. (Meridian)

Loco Hills (Field) Eddy (County or Subdivision) New Mexico (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 8,500 gal of 24 gravity oil and flushed with 60 bbls fresh oil by Halliburton 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 zone is at 2830'.

2840' to 2856' ~~[illegible]~~ Grey lime.

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

Company Roland Rich Woolley

Address Box 398

Loco Hills

New Mexico

By [illegible signature]

Title Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16—8437-3

ILLEGIBLE