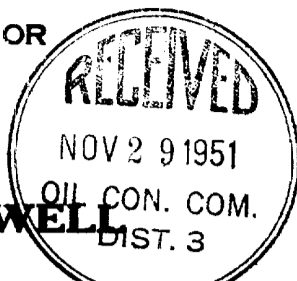


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078965-A  
LEASE OR PERMIT TO PROSPECT Graveling

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company San Juan Production Company Address P.O. Box 997, Farmington, New Mexico  
Lessor or Tract Graveling Field Blanco-La Plata State New Mexico  
Well No. 4-A Sec. 5 T. 27N R. 7W Meridian NMPN County Rio Arriba  
Location 3643 ft. (S.) of N. Line and 1650 ft. (E.) of W. Line of Sec. 5 Elevation 6774  
(Derives 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 ORIGINAL SIGNED E. J. COEL

Date November 20, 1951

Title \_\_\_\_\_

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

Commenced drilling 5-25, 1951 Finished drilling 5-20, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3248 to 3330 (G) No. 4, from 5514 to 5660 (G)  
No. 2, from 4836 to 4958 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4958 to 5514 (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—	
9-5/8	36	8	Metl.	341	Ball				Surface
7	23	8	Metl.	622	Ball				Production
7	20	8	Metl.	1270	Ball				Production
2	47	8	Young	5621	None				Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	357	150	Circulated		
	4781	200	Single Stage		

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
Qts.	Reg.	S.B.G.	1960	5-21-51	4938-5668	5700

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to 4788 feet, and from Gas Circulation feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from 4788 feet to 5700 feet

DATES

November 7, 1951 Put to producing \_\_\_\_\_, 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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 686,000

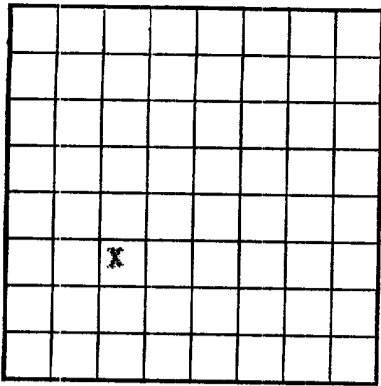
EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	695	695	Coarse gr. tan ss w/ thin shale breaks.
695	1580	885	Varieg. shales w/ thin ss breaks.
1580	2438	858	Tan to grey coarse gr. ss interbedded w/ grey shale
2438	2516	78	Ojo Alamo ss w/ coarse gr. sand. Top 2438.
2516	3012	496	Kirtland fm. grey shales interbedded w/ grey fine gr. ss. Top Kirtland 2516.
3012	3248	236	Fruitland fm. grey carb. shales & coals w/ grey tight fine gr. ss. Top Fruitland 3012.
3248	3330	82	Pictured Cliff's fm. grey varicolored fine to med. gr. soft consolidated ss. Top P.C. 3248.
3330	4836	1506	Lewis fm. wht. to grey dense sil to shaly ss. Top Lewis 3330.
4836	4958	122	Cliff House-ss, grey, fine, dense sil ss Top Cliff House 4836
4958	5514	556	Menafee form- grey, fine gr. sand carb. shales & coals. Top Menafee 4958.
5514	5660	146	Point Lookout form- grey, fine sil ss w/ shale breaks. Top P.L. 5514.
5660	5700 TD	40	Mancos form- grey carb. shale. Top Mancos 5660.

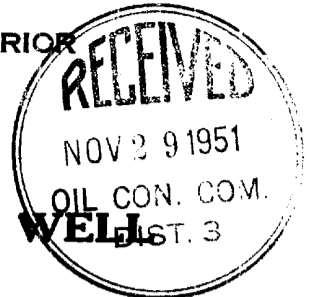




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078965-A  
LEASE OR PERMIT TO PROSPECT Grubbling

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company San Juan Production Company Address P.O. Box 997, Farmington, New Mexico  
Lessor or Tract Grubbling Field Blanco-La Plata State New Mexico  
Well No. 4-A Sec. 5 T. 27N R. 7W Meridian 101M County Rio Arriba  
Location 3643 ft. (S.) of N. Line and 1650 ft. (E.) of W. Line of Sec. 5 Elevation 5774  
(Denote 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 ORIGINAL SIGNED E. J. COEL

Date November 20, 1951

Title \_\_\_\_\_

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

Commenced drilling 5-25, 1951 Finished drilling 5-20, 1951

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 3248 to 3330 (G) No. 4, from 5514 to 5660 (G)  
No. 2, from 4836 to 4958 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4958 to 5514 (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--	
9-5/8	36	8	Metl	241	Ball				Surface Production Prod. Tubing
7	28	8	Metl	502	Ball				
7	28	8	Metl	1170	Ball				
4	47	5	Young	5691	Spun				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	357	150	Circulated		
	4781	200	Single Stage		

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
8ts.	1/2g.	S.N.C.	1960	5-21-51	4931-5568	5700

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from Gas Circulation \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to 4738 feet, and from 4788 feet to 5700 feet

DATES

Put to producing \_\_\_\_\_, 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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 686,000

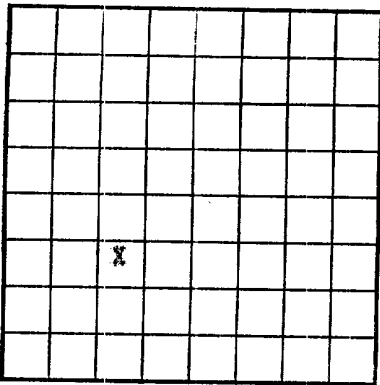
EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	695	695	Coarse gr. tan ss w/thin shale breaks.
695	1580	885	Variog. shales w/thin ss breaks.
1580	2438	858	Tan to grey coarse gr. ss interbedded w/gry shale
2438	2516	78	Ojo Alamo ss wht. coarse gr. sand. Top 2438.
2516	3012	496	Kirtland frm. grey shales interbedded w/grey fine gr. ss. Top Kirtland 2516.
3012	3248	236	Fruitland frm. grey carb. shales & coals w/grey tight fine gr. ss. Top Fruitland 3012.
3248	3330	82	Pictured Cliffs frm. grey varicolored fine to med. gr. soft consolidated ss. Top P.C. 3248.
3330	4836	1506	Levis frm- wht. to grey dense sil to shaly ss. Top Levis 3330.
4836	4958	122	Cliff House-ss, grey, fine, dense sil ss Top Cliff House 4836
4958	5514	556	Menefee frm- grey, fine gr. sand carb. shales & coals. Top Menefee 4958.
5514	5660	146	Point Lookout frm- grey, fine sil ss w/shale breaks. Top P.L. 5514.
5660	5700 TD	40	Mancos frm- grey carb. shale. Top Mancos 5660.

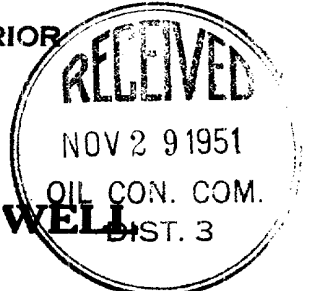




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 07859-A  
LEASE OR PERMIT TO PROSPECT Graveling

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company San Juan Production Company Address P.O. Box 997, Farmington, New Mexico  
Lessor or Tract Graveling Field Blanco-La Plata State New Mexico  
Well No. 4-1 Sec. 5 T. 27N R. 7W Meridian 106W County Rio Arriba  
Location 3643 ft. [N.] of N. Line and 1650 ft. [E.] of W. Line of Sec. 5 Elevation 5774  
(Derivat 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 ORIGINAL SIGNED E. J. COEL

Date November 20, 1951

Title \_\_\_\_\_

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

Commenced drilling 5-25, 1951 Finished drilling 6-20, 1951

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 3248 to 3330 (G) No. 4, from 5514 to 5560 (G)  
No. 2, from 4136 to 4958 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4958 to 5514 (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—	
9-5/8	36	8	Metl	3248	Ball				Production Production Prod. Tubing
7	29	8	Metl	3330	Ball				
7	20	8	Metl	4136	Ball				
4	47	8	Young	5514	Ball				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	357	150	Circulated		
	4761	200	Single Stage		

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
6ts.	Bag.	B.F.U.	1950	6-21-51	4958-5568	5700

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from Gas Circulation \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from 4768 \_\_\_\_\_ feet to 5700 feet

DATES

November 7, 1951 Put to producing \_\_\_\_\_, 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 685,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 1937

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	695	695	Coarse gr. tan ss w/ thin shale breaks.
695	1580	885	Variog. shales w/ thin ss breaks.
1580	2438	858	Tan to grey coarse gr. ss interbedded w/ gry shale
2438	2516	78	Ojo Alamo ss wht. coarse gr. sand. Top 2438.
2516	3012	495	Kirtland frm. grey shales interbedded w/ grey fine gr. ss. Top Kirtland 2516.
3012	3248	236	Fruitland frm. grey carb. shales & coals w/ grey tight fine gr. ss. Top Fruitland 3012.
3248	3330	82	Pictured Cliffs frm. grey varicolored fine to med. gr. soft consolidated ss. Top P.C. 3248.
3330	4036	1506	Levin frm. wht. to grey dense sil to shaly ss. Top Levin 3330.
4036	4958	122	Cliff House—ss, grey, fine, dense sil ss Top Cliff House 4036
4958	5514	556	Meneffes form—grey, fine gr. sand carb. shales & coals. Top Meneffes 4958.
5514	5560	146	Point Lookout form—grey, fine sil ss w/ shale breaks. Top P.L. 5514.
5560	5700 TD	140	Mancos form—grey carb. shale. Top Mancos 5600.

(OVER)

