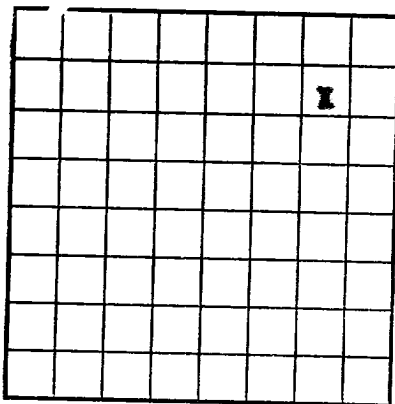


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 070385-A
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

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 Howell Field Blanco-La Plata State New Mexico
Well No. 2-1 Sec. 25 T. 30N R. 8W Meridian N.M.P.M. County San Juan
Location 990 ft. (N) of E Line and 990 ft. (W) of E Line of Sec. 25 Elevation 6323
(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 ORIGINAL SIGNED E. J. COELDate December 26, 1951 Title Petroleum Engineer

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

Commenced drilling 11-3, 1951 Finished drilling 11-30, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3124 to 3230 (G) No. 4, from 5325 to 5391 (G)
No. 2, from 4781 to 4964 (G) No. 5, from _____ to _____
No. 3, from 4964 to 5325 (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	26	8	Howell	2700	Howell	Howell	Howell	Howell	Howell
7	20	8	Howell	300	Howell	Howell	Howell	Howell	Howell
2	5.7	8	Young	5391	Young	Young	Young	Young	Prod. log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	283	190	Circulated		
7	4700	300	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	SDS	1425	11-11-51	4778-5398	5438

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from Gas Circulation feet
Cable tools were used from _____ feet to 4700 feet, and from 4700 feet to 5438 feet

DATES

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 4,780,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1,008

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	750	750	Tan coarse gr ss w/ thin sh bks.
750	1315	565	Varieg shales w/ thin ss bks.
1315	1831	516	Tan to gry coarse gr ss interbedded w/ gry sh.
1831	2022	191	Ojo Alamo ss w/ coarse gr sd. T/Ojo 1831.
2022	2830	808	Hirtland fm, gry sh interbedded w/ tight gry fine gr ss. T/Hirt 2022.
2830	3124	294	Fruitland fm, gry carb sh scattered coals & gry tight fine gr ss. T/Fruit 2830.
3124	3230	106	Pictured Cliffs fm, gry fine gr tight varie soft sh. T/PC 3124.
3230	4781	1551	Lewis fm, gry to wht dense shale w/ sil to shaly ss streaks. T/Lewis 3230.
4781	4964	183	Cliff House fm, ss gry fine gr dense sil ss. T/CH 4781.
4964	5325	361	Manosco fm, gry fine gr sd, carb sh & coal. T/Manosco 4964.
5325	5391	66	Pt Lookout fm, gry very fine sil ss w/ frequent sh breaks. T/PL 5325.
5391	5438 TD	47	Manosco fm, gry carb sh. T/Manosco 5391.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

~~16-43084-1~~

U. S. GOVERNMENT PRINTING OFFICE

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.

[illegible]

ORIGINAL SIGNED E. J. COEN

~~FIG OF ORF OF CVA MET~~

05 00000000

1900 10 20

GEORGE W. ANDREA

DEFINITION OF THE INTERVIEW

NAME: ED ALVAREZ

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.