

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP 078931-B
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Henneco Corporation Address P. O. Box 1714, Durango, Colorado
 Lessor or Tract USA Glenn H. Callow Field to a. Callup State New Mexico
 Well No. 18 Sec. 28 T. 29N R. 13W Meridian NOM County San Juan
 Location 2310 ft. SE of N Line and 330 ft. E of N Line of Section 28 Elevation 5808 GL
Don't forget to add the section number to the location.

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 L. B. Flumb L. B. Flumb
Date April 11, 1961 Title District Production Supervisor

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

Commenced drilling March 12, 1961 Finished drilling March 21, 1961

OIL OR GAS SANDS OR ZONES

(Denote μ s by G).

No. 1, from 5613 to 5621 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 ~~Rock~~ 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 5/8"	24 1/2	8 RD	CPA	145'	Order		1	5000	Surface
1 1/2"	9.3	8 RD	CPA	145'	Order		1	5000	Product

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	158'	125	Two Plug	--	--
4 1/2"	5675	240	Two Plug	--	--

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 5675 feet, and from -- feet to -- feet.

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

DATE ~~Potential~~ Test...4-3-61...F/184 BO in

April 11, 1961 Put to producing 24 hours on 22/64" Choke. GOR 900, 1961

The production for the first 24 hours was 184 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

_____, Driller

_____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	12	12	KB to Ground Level
12	900	888	Shale and Sand Stringers
900	1570	670	Brown Shale
1570	1710	140	Sandstone
1710	3100	1390	Black Shale w/occasional sand stringers
3100	4320	1220	Sandstone and Shale
4320	5500	1180	Black Shale
5500	5675	175	Shaley and Silty sands w/shale
<u>Electric Log Tops</u>			
			Kirtland 205
			Farmington Sands 295
			Fruitland Shale 745
			Pictured Cliffs 1555
			Lewis Shale 1700
			Mesaverde 2507
			Mancos Shale 4340
			Gallup Sand 5245

[OVER]

~~16-43094-4~~

THE UNIVERSITY OF CHICAGO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1940 1941 1942 1943 1944 1945

1994
1994
1994
1994
1994

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Well spudded 1:15 P.M. 3-12-61, and drilled 12 1/2" hole to 163'. Run 5 joints 8 5/8" OD casing, 24 1/2' J-55 and set at 158'. Cemented at 125 sacks regular cement. Circulated cement to surface. Plug down 10:30 P.M. 3-12-61. WOC 12 hours. Pressure tested casing to 550 pounds. Pressure held o.k. Drilled 7 7/8" hole to 5675'. Run K3-electric and casing run side logs. Run 100 joints 8650' casing 4 1/2" OD 9 5/8' J-55 and 1 joint 33' casing 5" OD 13 1/8' J-55 and set at 5675. Stage collar set at 1750 and cemented in two stages. First stage. Cemented with 190 sacks 50-50 Pozmix. Plug down on first stage 6:15 A.M. 3-21-61. WOC 2 hours. Second stage. Cemented with 50 sacks 50-50 Pozmix. Plug down on second stage 9:30 A.M. 3-21-61. WOC 24 hours. Pressure tested casing to 3000 pounds. Pressure held o.k. Perforated 5675-21 with 8 jets per foot. Traced parts with 26,000 gal crude, 10,500 pounds 10-20 sand and 3,700 pounds 8-21 sand. Recovered lost oil. Potentially recover 3-4 mcs of oil. But oil in 24 hours on 22/64" choke. IP 175. CP 400. GCR 900.

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 balling.

HISTORY OF OIL OR GAS WELL

18-42094-2 U. S. GOVERNMENT PRINTING OFFICE

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