

WELL HISTORY

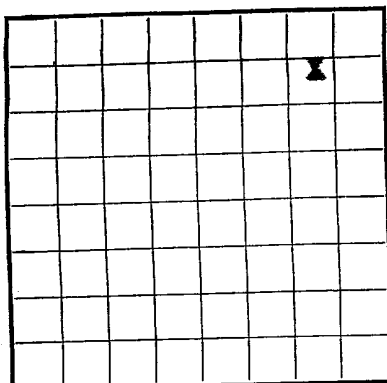
Well was spudded April 26, 1958 by rotary rig and drilled to 5873' TD.
Set 2-5/8" casing at 308' with 300 sacks 2½ Cal. Chl. cement. Circulated out 30 sacks.
Core #1 from 884' - 921', cut & recovered 37': 2' shale & coal, 14' shale & sandy shale, 20' sand w/ slight scattered trace fluorescence, no odor & 1' shale.
Core #2 from 2450' - 2500', cut & recovered 50', sand & shale, NS.
Core #3 from 3412' - 3429', cut & recovered 6' shale, NS.
DST #1 from 3355' - 3429', recovered 240' drilling mud.
Core #4 from 3453' - 3460', barrel jammed. Recovered 6' shale & coal, NS.
Attempted DST #2 from 3360' - 3460', packers failed to seat.
Attempted DST #3 from 3386' - 3460', tool plugged from cuttings falling into hole.
DST #4 from 3395' - 3460', tool plugged, no recovery.
Core #5 from 3515' - 3532', cut & recovered 17' sand w/ pin-point fluor. throughout, wet.
DST #5 from 3507' - 3532', recovered 415' muddy salty water & 360' slightly gas-cut muddy salty water.
Lost returns while drilling at 4588'. Mixed mud & lost circulation materials and regained circulation.
DST #6 from 4529' - 4593', recovered 3000' drilling mud w/ slight rainbow oil show and 1000' water.
DST #7 from 4945' - 4992', recovered 30' slightly oil & gas cut mud.
Core #6 from 4992' - 5005', barrel jammed, recovered 14' sand & shale, NS.
Core #7 from 5006' - 5018', barrel jammed, recovered 12' shale, NS.
Core #8 from 5018' - 5041', cut & recovered 23' shale, NS.
DST #8 from 4991' - 5091', recovered 10' drilling mud.
Core #9 from 5608' - 5614', cut & recovered 5' shale, NS.
Core #10 from 5614' - 5630', cut 14' & barrel jammed, recovered 6' shale, NS.
Core #11 from 5630' - 5648', cut & recovered 18' shale & shaley sand w/ trace fluor from 5645' - 5648'.
Core #12 from 5648' - 5668', cut 20' & recovered 18' sand & sandy shale w/ scattered pinpoint fluor and slight gas odor from 5666' - 5668'.
Core #13 from 5668' - 5678', cut & recovered 10' sand w/ gas odor.
Core #14 from 5678' - 5697', cut & recovered 19' sand w/ gas odor & slight fluor.
Core #15 from 5697' - 5732', cut & recovered 35' sand, shale & coal, NS.
Core #16 from 5770' - 5808', cut & recovered 38' sand & shale, NS.
Ran logs.
Set 5-1/2" casing at 5873' w/ two stage tool set at 5195'. Cemented 1st stage w/ 190 sx neat. Lost returns while cementing. Found top cement at 5140'. Opened 2nd stage tool and cemented w/ 70 sx 8% gel and 140 sx neat cement. Lost returns while cementing. Found top of cement at 5050'. Perforated 2 - 9/16" holes at 5050' & pumped lost circulation materials through holes into formation (500 bbls.) No circulation. Cemented w/ 140 sx regular and 70 sx 8% gel cement. No returns. Temperature survey found top cement at 4550' outside pipe. Tested casing & perforations at 5050' w/ 1475# for 30 minutes. OK.
Drilled and washed out cement and drilled two-stage tool and plug. Loaded hole w/ oil.
Moved out rotary rig and moved in completion unit.
Ran Gamma Ray and Collar logs.
Perforated 5-1/2" casing w/ 4 bullets/ft from 5658' - 5663' and 5682' - 5689'.
Ran 3" frac tubing, broke down formation w/ 2600#.
Pumped in 200 gallons HCA acid.
Sand-oil fraced Started sand-oil frac treatment. After 7980 gals oil and 5660# sand was pumped into formation well sanding off. Reversed sand & oil out of tubing & flushed. Swabbed and flowed 191 bbls. load oil. Pulled 3" frac tubing & frac tool, ran 2" tubing. Swabbed well, recovered small amount of load oil. Last 8 hrs, swabbed 7 bbls. Lost 172 bbls load oil in Dakota formation.
Set plug from 5678' - 5398' w/ 35 sx reg cement. (Plugged off Dakota formation)
Set CI bridge plug at 5400'. Perforated 5-1/2" casing from 5033' - 5120' w/ 2 shots/ft. Swabbed well down. Acidized w/ 500 gals HCA to wash perforations.
Sand-oil fraced from 5033' - 5120' w/ 12,600 gal oil and 12,800# sand w/ 45 balls. Well sanding off leaving 7680# sand in casing.
Sand-pumped and swabbed well 10 days leaving 278 bbls load oil in Gallup formation.
Received USGS approval to plug and abandon.
Set Baker CI retainer at 4970'. Squeezed perforations in 5-1/2" casing from 5033' - 5120' w/ 75 sx reg cem. Cut 5-1/2" casing at 2578' and pulled. Set cement plugs as follows:
1st plug from 2628' - 2528' w/ 35 sx reg cem (50' inside top of casing & 50' in open hole).
2nd plug from 2100' - 1900' w/ 75 sx reg cem (to isolate the Mesa Verde formation)
3rd plug from 1050' - 950' w/ 35 sx reg cem (to isolate the Pictured Cliffs formation)
Set 25' cement plug in top of surface casing.

Installed abandonment marker as per USGS rules & cleaned up location.

Well plugged and abandoned July 1, 1958.

U. S. LAND OFFICE **Santa Fe**
SF-078620-C

LEASE OR PERMIT TO PROSPECT



RECEIVED
JUL 17 1958
OIL CON. GEMAR
DIST. 3

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRELATION

Company	<u>Humble Oil & Refining Company</u>	Address	<u>Box 1268, Farmington, New Mexico</u>	
Lessor or Tract	<u>North Kirtland Unit No. 1</u>	Field	<u>Wildcat</u>	State <u>New Mexico</u>
Well No.	<u>1</u>	Sec.	<u>19</u>	T. <u>30N</u> R. <u>14W</u> Meridian _____ County <u>San Juan</u>
Location	<u>1200</u> ft. <u>N</u> of _____ Line and <u>996</u> ft. <u>E</u> of _____ Line of _____	Elevation <u>5486'</u> (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.

Date July 4, 1958

Title Dist. Superintendent

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

Commenced drilling April 26, 1958 Finished drilling TD May 25, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **Well dry and** to -----
Abandoned
 No. 2, from ----- to -----
 No. 3, from ----- to -----

No. 4, from ----- to -----
 No. 5, 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

CASING RECORD									
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
6-5/8"	24	20	Dan.	295'	Hall J				Surface Casing
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	308'	300	Pumped	9.64	
9-1/4"	5879'	610	Pumped	9.24	

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

TOOLS USED

Rotary tools were used from 0 feet to 5873 feet, and from _____ feet to _____ feet.

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

DATES

_____, 19____ **Placed and Abandoned 7-1-58** _____, 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.

EMPLOYEES

Fred Bowen	, Driller	M. E. Wayman	, Driller
Mr. Glover	, Driller		, Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	2950	2950	Sand & shale
2950	3000	50	Coal & shale
3000	3040	40	Shale
3040	3458	418	Sand & shale
3458	3460	2	Shale & coal
3460	3515	55	Sand & shale
3515	3532	17	Sand
3532	4992	1460	Sand & shale
4992	5041	49	Shale
5041	5673 TD	632	Sand & shale
			<u>TIPS</u>
			P.C. 794
			C.I. House 2522
			Nineteen 2595
			Mancos 3740
			Greenhorn 5540
			Graneros 5600
			Dakota 5646
			Morrison 5820

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF GEOLOGICAL SURVEY

RECEIVED
JUL 7 1958
JUL 7 1958
JUL 7 1958

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 10 rows of squares. There are faint handwritten marks in the top-left corner, possibly "2/2".

LOCATE WELL CORRECTLY

Commenced drilling _____, 19____
 Finished drilling _____, 19____
 The summary on this page is for the condition of the well at above date.

(Dated 20th June 1964)

IMPORTANT WATER SANDS

CASING RECORD

HISTORY OF OIL OR GAS WELL

been born to temperate

PLUGS AND ADAPTERS

SHOOTING RECORD

TOOLS USED

DATE

EMPLOYEES

FORMATION RECORD

FORWARD

FORMATION

FORMATION RECORD—Continued