

WELL HISTORY

PATRICK A. DOHENY #1 "PROPST"
C SE SW Section 14, T10N, R53W, Logan County, Colorado

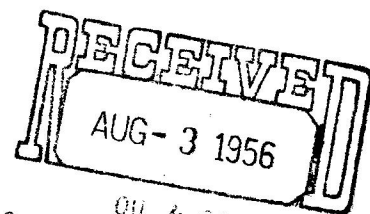
Wildcat

Elevation: 4157' ground, 4170' K.B.

Contractor: Herndon Drilling
Company

DATE	DEPTH	WORK DONE
<u>1956</u> 6/27		Spudded in at 7:00 A.M. Drilled 15" hole to 220'. Cemented 208' of 10-3/4", 32.75# casing with 140 sacks treated cement. Obtained good returns to surface.
6/28	220'	Installed and tested blow-out prevention equip- ment.
6/28-7/1	4853'	Drilled 8-3/4" hole from 220' to 4853'.
7/2	4878'	Cored from 4853' to 4878'. (Description attached)
7/2-7/5	5285'	Drilled 8-3/4" hole from 4878' to 5285'.
7/5		Ran Schlumberger electric log from 206' to 5286', Laterolog and Microlog from 4040' to 5286'. Placed 40 sacks cement plug through drill pipe hung at 240'. Placed 10 sacks cement plug at top of surface casing.

WELL ABANDONED: July 5, 1956



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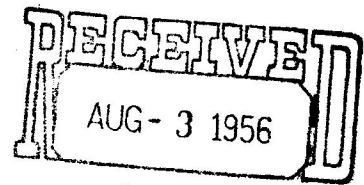
SAMPLE DESCRIPTION

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<u>DEPTH</u>		<u>DESCRIPTION</u>
<u>FROM</u>	<u>TO</u>	
4200'	4340'	Shale, dark gray.
	4350'	Same.
		<u>FT. HAYS</u>
	4360'	Lime, white, chalky
	4370'	Same.
	4380'	Same.
	4390'	Same.
	4400'	Same, slightly sandy.
		<u>CARLISLE</u>
	4410'	Shale, dark gray.
	4570'	Shale, dark gray, silty and sandy with a few thin bentonite streaks.
	4580'	Shale, dark gray with a limey sand.
	4590'	Same.
	4600'	Sand, limey, dirty, glauconitic, no show.
	4610'	Shale, dark gray.
	4620'	Same.
	4630'	Same with limey sand.
		<u>GREENHORN</u>
	4640'	Lime, sandy, hard, tight, no show.
	4650'	Same.
	4700'	Shale, dark gray.
	4730'	Shale with limey sand.
	4740'	Shale, dark gray.
	4750'	Shale and bentonite.
	4850'	Shale and silty shale.
	4853'	Circulate 30 minutes, shale as above. Circulate 45 minutes, sand, fine grain, gray, poor visible porosity and permeability, no show.
4853'	4878'	<u>SEE CORE DESCRIPTION</u>
4878'	4880'	Sand, very fine grain, white, tight, poor porosity, no show.
	4885'	Same.
	4890'	Same.
	4895'	Same.
	4900'	Shale, dark gray.
	4905'	Shale and sand as above, no show.



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SAMPLE DESCRIPTION

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<u>DEPTH</u>		<u>DESCRIPTION</u>
<u>FROM</u>	<u>TO</u>	
4905'	4910'	Shale, dark gray with some sand and siltstone, barren.
	4915'	Shale, dark gray.
	4920'	Same with siltstone, barren.
	4940'	Shale, dark gray.
	4955'	Shale and sandy shale.
	4965'	Shale, sandy shale and siltstone.
		<u>"J" SAND</u>
	4970'	Sand, fine grain, gray, soft, clay filled, barren.
	4975'	Sand, as above, with occasional piece with light fluorescence.
	4980'	Sand, very fine grain, white, hard, tight, barren.
	4982'	Circulate 30 minutes, sand very fine grain, white, medium hard, poor visible porosity, no show.
		Circulate 45 minutes, same as above.
	4985'	Sand, as above.
	4990'	Same, with shale.
	4995'	Shale, dark gray with some sand as above.
	5000'	Shale, gray.
	5040'	Shale, gray with some hard siltstone.
		<u>SKULL CREEK</u>
	5075'	Shale, dark gray.
	5090'	Same with some hard sand, quartzitic, barren.
	5200'	Shale, dark gray.
		<u>"M" SAND</u>
	5205'	Circulate 30 minutes, sand, fine grain, white, poor to fair visible porosity, no show. Circulate 45 minutes, same as above.
	5210'	Sand, as above.
	5215'	Shale and sand, hard, tight, barren.
	5225'	Shale with sand, fine grain, white, fair visible porosity, no show.
	5245'	Sand, fine grain, white, good visible porosity, no show.
	5250'	Shale, dark gray with some sand as above.

SAMPLE DESCRIPTION

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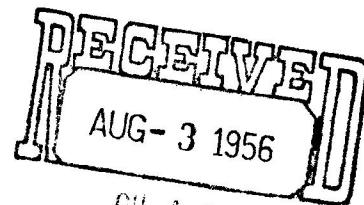
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<u>DEPTH</u>		<u>DESCRIPTION</u>
<u>FROM</u>	<u>TO</u>	
		<u>"O" SAND</u>
5250'	5260'	Sand, fine grain, gray, carbonaceous flakes, fair visible porosity, no show.
	5265'	Shale, dark gray with sand as above.
	5270'	Sand, very fine grain, white, medium soft, tight, no show.
	5275'	Shale, with sand as above.
	5280'	Sand, very fine grain, gray, hard, tight, no show.
	5285'	Same as above. Circulate 15 minutes, same as above. Circulate 30 minutes, same as above. Circulate 45 minutes, same as above. Circulate 60 minutes, same as above.
	5285'	TOTAL DEPTH.

Samples examined and described by Earl W. Olson.



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CORE DESCRIPTION

PATRICK A. DOHENY #1 "PROPST"
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CORE NUMBER	DEPTH	RECOV.	DESCRIPTION
1	4853-4878'	23'	1-1/2' Sand, very fine grain, gray, medium hard, poor visible porosity, small amount of fracturing; no show.
			3-1/2' Shale, dark gray.
			3' Sand and shale reworked, barren.
			1' Shale, black.
			5' Sand, very fine grain, gray, medium hard, poor to fair visible porosity, vertical fracture, no show.
			7' Shale and sand reworked, barren.
			2' Shale, gray.

Core examined and described by Earl W.
Olson.