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MAY 2 1978

COLO. OIL & GAS CONS. COMM.

Well: Klinginsmith #1

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21, T 12 N - R 56 W
Weld County, Colorado

Operator: KEN TIPPS

Contractor: Exeter Drilling Company
Denver, Colorado

Casing: 287', 9 jts., 24#, 8-5/8" surface casing
set at 294' K.B. with 300 sacks regular cement
plus 3% CaCl₂. Plug down 5:30 P.M. 3-4-78.

Well History: 3- 4-78 MIRT. Spud 1:45 P.M. Ran surface
casing,
3- 5-78 Drilling at 1080'.
3- 6-78 Drilling at 4308'.
3- 7-78 Drilling at 5658'.
3- 8-78 Trip for DST #1 at 6220'.
3- 9-78 Drilling at 6303'.
3-10-78 P & A.

Cores: None

Drill Stem Tests: DST #1 Straight test of the "D" Sand, run at
T.D. of 6220'. Driller's and log measurements
are the same. Test interval 6192-6220'. Tool
open 35", shut in 60". Very weak blow which died
completely after 18". The last 270' of hole was
very tight going in with the test tool, and it is
probable that considerable drilling mud was forced
back into the formation by the working of the tool
to bottom. The ports of the tool were not plugged,
and no plugging action was noted on the chart of
the flow period. Recovered 2' of drilling mud.

Initial hydrostatic pressure	3298#
Final hydrostatic pressure	3160#
Flow pressures	12# to 12#
Shut in pressure	124#

There was a sharp break midway through the shut in
pressure portion of the pressure chart of the drill
stem test which may well have indicated a partial
release of pressure from the formation to the well
bore.



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Logs: Dresser Atlas Induction Electrolog

Log Formation Tops:	<u>Formation</u>	<u>Electric Log</u>	<u>Subsea</u>
	Niobrara	5343'	
	Greenhorn	5914'	
	Bentonite	6099'	
	"D" Sand	6206'	(-1298)
	"J" Sand	6310'	(-1402)
	Total Depth	6355' Log	
		6357' Driller	

Mud: On the morning of March 9, 1978, the mud had the following properties:

Weight	9.9 #/gal.
Viscosity	80 API Funnel
Water Loss	4.6 cc 30"
Filter Cake	2/32"

Bit Record:	<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hours</u>
	1	7-7/8"	Reed	Y11-J	3495'	320	18-1/4
	2	7-7/8"	STC	DT-J	5658'	2163	22-1/2
	3	7-7/8"	STC	DT-J	6220'	562	19
	4	7-7/8"	Reed	Y21GJ	6304'	84	13
	5	7-7/8"	Reed	Y21GJ	6357'	53	7

Sample Description: Log depths used.

6200-6206' Shale, black.

6206-6212' Sandstone, fine grained, white, light tan oil stain, good porosity, friable, clean, good bright yellow fluorescence, good ether cut fluorescence.

6212-6220' Shale, black.

6220-6225' Sandstone, fine grained, white, clay filled to fair porosity, some silica cementation, indurate, wet, no shows, no fluorescence.

6225-6320' Siltstone, gray; shale, gray to black.



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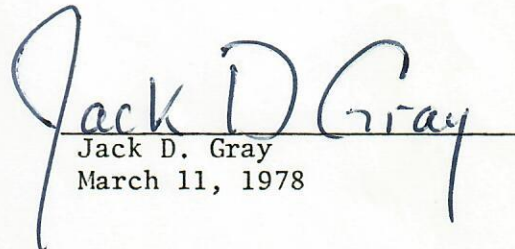
6320-6330' Sandstone, fine grained, gray, siliceous, hard, tight, no shows, no fluorescence.

6330-6340' Shale, black; siltstone, gray.

6340-6355' Sandstone, white, fine grained, clean to slightly siliceous, generally good porosity, wet, no shows, no fluorescence.

Discussion:

There were sample shows in the first bench of the "D" sand which was the primary objective sand, but the log and the drill stem test indicated the thin sand to be tight. There was no sand development in the upper "J" sand interval, and the well was plugged and abandoned in the surface casing with the verbal permission of Mr. Morrell of the Colorado Oil and Gas Commission.


Jack D. Gray
March 11, 1978