

COMPLETION SCHEDULE

WELL: Cedar Hills #1

DATE: August 23, 1983

LOCATION: I, 1980' FSL & 660' FEL, Sec. 15, T-21S, R-27E, Eddy County, NM

FIELD: Upper Penn

ELEVATION: 3254' GL
3270' KB

TD: 11,721' PBTD: 9970'

<u>CASING RECORD:</u>	<u>SIZE</u>	<u>WT. & GRADE</u>	<u>DEPTH</u>	<u>CEMENT</u>	<u>CEMENT TOP</u>
	13 3/8"	48# New	597'	600 sxs	Surface
	9 5/8"	36# New	2603'	800 sxs	Surface
	4 1/2"	11.6# N-80	11781'	NR	8500' Est. but not evident on CBL.

FORMATION TOPS: T. Delaware 2987'
Bone Spring 5348'
Wolfcamp 9100'

PRESENT PERFORATIONS: 9558'-9569'

PRESENT PRODUCTION: SI WOCO

RECOMMENDED PROCEDURE:

- 1) MI & RU CU. Load hole w/10# brine.
- 2) ND tree, NU BOP.
- 3) RU Jarrel Services (Ph. #748-1259) to fish Camco plunger and plunger assembly with jars and slick line. POH w/assembly. Call Pat Swihart in Midland to supply special fishing tools (1-915-694-6605 or 694-1516).
- 4) TIH w/overshot to fish plunger lift and assembly. Seating nipple @ 9517'.
- 5) RU McCullough (505-393-4145) to cut tubing @ 9700', just above packer @ 9705'. POH w/tubing.
- 6) Dump 30' cement on top of packer. *Mud up*
- 7) RU to run free point for 4 1/2" 11.6# casing.
- 8) GIH w/4 1/2" CIBP and set 100' below free point and dump 30' cement on top CIBP.
- 9) GIH w/McDullough jet cutter and cut 4 1/2" @ free point. POH w/4 1/2".
- 7 AG* 10) GIH w/tubing open ended and spot cement plug 50' inside 4 1/2" casing and 100' out, POH.
- 11) GIH w/7 7/8" bit and run to 4950' (casing to be set @ 4900').
- 12) Run 4 1/2" 11.6# casing to 4900'.
- 13) Cement w/850 sxs 50/50 poz followed by 600 sxs Class "C" neat. (Based on Ave. hole size of 11 inches w/20% excess; Class "C" neat to cover from 4900' to 4000').
- 14) Run CBL.
- 15) Perforate w/1 JS @ 4750', 4700', 4416', 4378', 4278', 4227' & 4070' (7 holes). POH.
- 16) GIH w/pkr and tubing and spot 500 gals 7 1/2% HCL w/Phosphates.
- 17) Break down perfs and swab to test.
- 18) Frac w/21,000 gals 75 quality 50/50 Methanol foam frac w/anionic surfactants 25,000# 10-20 sd @ 28 BPM. Shut in 2 hours and open well to test.
- 19) If commercial set RBP and proceed to test upper @ 3030'-3057' and 3075'-3136'. If perfs from 4750-4070' are not commercial, set CIBP and 30' cement on top and move up hole.
- 20) Perforate w/1 JS @ 3038', 3040', 3042', and 3080', 3084', 3090', and 3100' (7 holes).
- 21) Repeat Step 18.
- 22) If commercial, turn over to pumper. If not, plug well, as previous from 3000'-2500' w/170 sxs, 25-0 w/10 sxs, and dry hole marker

Ray F. Nokes