

A. P. D. (cont.)
Thirteen Point Surface Use Plan
INDIAN HILLS UNIT # 36

Test Frequency

1. When installed.
2. Anytime a pressure seal is broken (test confined only to affected equipment).
3. At least every 20 days.
4. Blind and pipe rams shall be activated each trip but not more than once/day.

4. Casing and Cement Program:

---DEPTH---	SECTION	HOLE	CSG	WT.	THREADS	NEW			
FROM TO	LENGTH	SIZE	SIZE	PPF	GRADE COUPLINGS	USED			
0 1200'	1200'	12.25"	9-5/8"	36#	K-55 8rd, STC	New	WITNESS		
0 4800'	4800'	8.75"	7-0"	23#	K-55 8rd, LT&C	New			
4800' 8385'	3585'	8.75"	7-0"	26#	K-55 8rd LT&C	NEW			
8185' 10,200	2015'	6.125"	4.50"	11.6#	L-80 8rd LT&C	NEW			
Casing String	DV Depth	Stg.	Lead Tail	Amt SXS	Type Cement	Yield CF/SX	Wt. PPG.	TOC	Additives
9-5/8"	none	1	L	200	"C" Neat	1.51	14.6	surf.	10% gel; 3% caci; 1/4# cello
9-5/8"			T	200	"C" Neat	1.32	14.8	surf	2% caci; 1/4# cello
7"		1	L	220	"H" Foamed N2	1.67	13.0	7800'	N2
7"		1	T	340	Super "H"	2.47	13.0	6300'	5-pps salt, 3-pps gilsonite 4% gel, 1/4 pps cello
7"		2	L	840	Interfill "C"	2.47	11.9	0'	.25pps Flocele, 3.0 pps gilsonite
7"		2	T	100	Premium	1.32	14.8	5800'	
4.50"		1	L	185	Super "H"	1.67	13.0	8185'	4% CFR, 5#/sk gilsonite