

DESIGN DATA SHEET - CASING

Les. and Well No.: Federal 35 No. 1 Division: Western Date Form Prepared: 3/25/82
 Field: Wildcat Region: Directional Hole: ☐ Yes, ☐ No
 State: New Mexico Proposed T.D.: Max. Degrees off Vertical:

DESIGN CONDITIONS

Surf., Int., Prod., Etc.	Surf.	Int.	Prod.						
Csg. O.D., In.	13 3/8	8 5/8"	5 1/2						
Depth, ft.	250	2640	8000						
Bit Size, In.	17 1/2	12 1/4	7 7/8						
Mud Wt., #/gal.	8.33	10.0	9.625						
Burst. Press., psi	12.5	1371	3900						
Min. Collapse D.F.	1.125	1.125	1.125						
Min. Tension D.F.	1.80	1.80	1.80						
Min. Burst D.F.	1.0	1.0	1.0						
Buoyancy Considered									
Bending, °/100'									
From, Ft.									
To, Ft.									
Wear or Corr., Allow., In.									

CLEARANCE

Cplg. to Csg. Above, In.	5.5+	2.934	1.922						
Cplg. to Hole, In.	3.125	2.625	1.825						
Bit to Csg., In.	0.309	0.097							

RECOMMENDED CASING STRINGS

Section	Depth, Ft.		Sec. Wt. M Lbs.	Csg. O.D. In.	Length, Ft.	Weight #/Ft.	Grade Steel	Type Joint	Actual Design Factors (D.F.)			Mill Cost, \$
	From	To							Coll.	Ten.	Burst	
1	0	250	12.0	13 3/8	250	48	H-40	ST&C	6.16	26.8	13.84	
2	0	2300	63.36	8 5/8	2300	24	K-55	ST&C	1.140	4.151	2.151	
3	2300	2640	8.16	8 5/8	340	24	S-80	ST&C	1.298	39.951	2.151	
4	0	700	118.9	5 1/2	700	15.50	K-55	ST&C	9.278	1.9	1.233	
5	700	5100	108.05	5 1/2	4400	14.00	K-55	ST&C	1.140	1.8	1.095	
6	5100	7000	46.00	5 1/2	1900	15.50	K-55	ST&C	1.136	5.1	1.233	
7	7000	8000	17.00	5 1/2	1000	17.00	K-55	ST&C	1.259	18.3	1.364	

WELL HEAD RECOMMENDATIONS:

CESSORY RECOMMENDATIONS: