

CASING DETAIL

Size	Grade	Weight	Depth	Mim/Drift	Burst	Collapse
16"	H-40	65#/ft	482			
10-3/4	K-55	40.5#/ft	3,130			
7-5/8	S-95	29.7#/ft	2,804	6.750	8180	5120
7-5/8	S-95	26.4#/ft	6,741	6.844	7150	3710
7-5/8	S-95	33.7#/ft	10,653	6.625	9380	7260
4-1/2	P-110	14.9#/ft	10,075/13,100	3.701	14420	14320
2-7/8	N-80	6.5#/ft				
2-3/8	N-80	4.7#/ft				

Mud in hole 11.8#/gal Salt Brine

RECEIVED

MAR 16 1979

O. C. C.
ARTESIA, OFFICE

← 13-3/8 csg set at 480'

By Temp Survey
Good cement top
Between 10-3/4 & 7-5/8
at 2600'

← 10-3/4 csg set at 3130'

Est cement top in 7-5/8 at 9500'

Top of Liner Hanger set at 10075'

← 7-5/8 set at 10653'

4 1/2" Liner
14.98#/ft
Drift 3.701

COMPLETION PROCEDURE

Objective: Drlg out cement in 7-5 and 4-1/2 liner hanger; Circ line clean to 13100. Complete well in Morrow Sand.

1. MICU - Install 5000# WOP BOP's and kill manifold: Test w/ Yellow Jacket

2. Pick-up 2-7/8 comp tbg & cement mill (6.625'). Drl out cement to top of liner hanger at 10075. Test casing to 3000#.

3. POH w/ 6.625 mill - RIH w/ 3.625 mill & drl out top of liner, drl & wash clean to TD (13,054). POH w/ mill.

4. RU McCulloch and run CCL and cement bond log.

5. RIH to TD w/ 3.625 mill & csg scraper. Circ hole clean w/ 4% KCL water. Circ hole until completely clean. POH w/ tbg.

6. RIH w/ Otis MH packer & ret bridge plug. Set RBP @ 12950'. Circ hole at this point - circ out completely w/ 4% KCL water to insure completion fluid is clean. Spot 750 gals 10% acetic acid from 12950 to 12750'. Pull up & set packer @ 12800'. Press test packer to 5000#. Swab hole down to 8000'.

7. RU McCulloch & perf the Morrow Sand @ 12926, 929, 933, 878, 891, 893, 896' (7 intervals 14 shots) w/ 1-9/16 Omega II decentralized select fire gun, 2 SPF. Gun has 9.5 inches penetration with a .29 entry hole.

8. If well does not come in natural swab tbg down to 10000'. RU Cardinal and acidize w/ 2000 gals 30 quality foamed WIA with 1100 SCF/Bbl N₂ & 28 ball sealers. Attempt to ball out. Displace acid to formation w/ 4% KCL water w/ 1000 SCF/Bbl N₂. SI for 2 hrs. DO NOT OVER DISPLACE TBC Flow well back thru test sep to evaluate btm interval thoroughly.

Note: Record and notify Division Production Manager if any fluid is lost into Morrow formation during any operation.