

Casing Description

Interval	Length	Description	Burst	Collapse	Tension	Torque
0-1600'	1600'	8 5/8", 24#, K55, ST&C	2950	1370	263,000	2630

3. Production Casing

Drill a 7 7/8" hole to total depth of approximately 8850'. Run deviation surveys every 500' or on dull bit less than 500'. Limit deviation to 5°. Install pit level indicator, pit volume totalizer, and flow show prior to drilling into the Wolfcamp at approximately 6000'. Also, test BOP stack and choke manifold to working pressure by an independent testing company prior to drilling into the Wolfcamp. After evaluating logs, run 4 1/2" production casing with downjet float shoe and float collar (2 joints up) to total depth. Thread lock all connections through float collar. Run centralizer in the middle of joints 1, 3, 5, 7, & 9, also one centralizer per joint across any prospective pay zones. Pump 20 bbls KCL water and cement with 750 sacks Class "H" + 5/10% Halad 22 + 2/10% CFR-2 + 5# KCL. Displace top plug with 3% KCL water. Top of cement calculated at 6000' based on gauge hole plus 35% excess. Actual cement volume should be based upon evaluating log as to uppermost zone to be completed and actual calipered hole size. Reciprocate casing during cement job if hole conditions and mechanical condition of drilling rig allow this to be done safely. Pick up BOP stack and set slips with full weight of 4 1/2" casing. Nipple up 10" API 3000 psi x 6" API 3000 psi tubing spool and tree. Tree consists of two 2" API 3000 psi F.E. gate valves, flow tee, 2" API 3000 psi F.E. wing valve, and adjustable choke.

Casing Description

Interval	Length	Description	Burst	Collapse	Tension	Torque
0-1400'	1400'	4 1/2", 11.6#, K55, LTC	5350	4960	180,000	1800
1400-7500'	6100'	4 1/2", 10.5#, K55, STC	4790	4010	146,000	1460
7500-8850	1350'	4 1/2", 11.6#, K55, STC	5350	4960	170,000	1700

B. BLOWOUT PREVENTION

1. Run operational opening and closing check on all BOPs each trip. On alternate trips, tighten bolts on the BOP stack. Record checks on IADC reports.
2. Use valve on casing head only for emergency. Do not use the kill line to fill up the hole.
3. Maintain inside BOP and safety valve readily available on rig floor. (Threaded for drill pipe being used.)
4. BOP drills should be conducted on a regular basis and reported on the IADC report.

C. MUD PROGRAM

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