

INDIAN BASIN "E" NO. 1
UL "K", Section 27, T-21-S, R-23-E
Eddy County, New Mexico

API No. 30-015-10617

Drill & Complete Horizontal Lateral

1. Work commenced 3/2/00. MIRU PU, unseated pump & POOH L/D rods & pump.
2. Ran static survey, pumped 500 gals. 20% FE acid down annulus, & tried to release packer.
3. Jet cut tubing & POOH w/tbg. RIH w/overshot, latched onto fish & worked pipe. Freed TA & fish & POOH L/D equipment. RIH w/csg. scraper & bit to 7200'.
4. Pooh w/bit & scraper & RIH w/cement retainer to 7114'. Pumped 400 sx, reverse circulated 2 bbls to reserve pit. POOH & RIH w/bit. Drilled out cement retainer & cement through perfs. POOH w/tbg.
5. PU 7" cement retainer & set @ 7114'. Squeezed perfs from 7220'-7578' w/300 sx premium (200 sx had 2% CaCl₂). Final squeeze pressure 1500 psi. POOH w/setting tool & RIH w/bit & DCs.
6. Tagged cement @ 7100' & drilled to 7588'. Tagged TD @ 7771', circulate clean & test to 500 psi. POOH & L/D 2-7/8" tubing. Set CIBP @ 7233', PU 2-7/8" AOH & RIH to 7160'. RD PU.
7. MIRU Drilling rig. RU rotating head & tagged CIBP @ 7233'. POOH, PU 3" retrievable whipstock & RIH w/whipstock & orientation sub to 7233'. Orient whipstock to 98°, PU rotating rubber & starting mill, and started milling window.
8. POOH w/starting mill & RIH w/window mill. Milled from 7217'-7232'. Circulated wellbore clean. POOH & L/D mills. PU curve BHA & RIH. Drilled and surveyed to 7352'. Circulated sweep & POOH to change motor assembly.
9. RIH w/lateral motor. Washed from 7310'-7352'. Drilled & surveyed to 7660'. Short trip 7 stands, then drilled to 7977'. Survey & short trip, then drilled to 8230', pumping 5-10 bbl. Sweeps between conns.
10. Drilled to 8357', surveyed & circulated. POOH for short trip hitting a tight spot @ 7880'. Worked thru tight spot & finished short trip. Drilled to 8542'. Worked pipe free from 8542'-8452' & back to bottom. Drilled to 8578', short trip to clean well bore, then drilled to 8584' pumping 5-10 bbl. sweeps between conns.
11. Drilled to 8641', pumped sweep & short tripped pipe. Spotted N-squeeze on bottom. Pulled csg shoe. POOH w/pipe. RIH w/new BHA & relogged from 8610'-8673'. Drilled to 8936', POOH & changed out MWD, then RIH to 8936'.
12. Drilled to 10,292', short tripped to window, RIH & pumped 50 bbl. sweep displacing hole w/fresh water. POOH to window, L/D 100 jts. AOH. POOH L/D tools & RIH w/DP & hung off in tbg. head. RD drilling rig & moved off location.
13. MIRU PU. POOH w/AOH pipe. RIH w/hook & DCs to 7232'. Jarred whipstock free & POOH L/D whipstock & DCs. RIH w/sandline bailer & knocked out CIBP @ 7233'. RD bailer & RIH w/bent joint to 7851'. Pulled back & landed bullnose @ 7318'.
14. RU Coiled tbg unit. RIH w/1-1/2" CT string to 7579'. Tagged up & spotted 300 gals. acid but couldn't get past ledge. POOH w/CT & install knuckle jt. RIH w/CT string to 10,292'. Pulled back treating intervals from 10,200'-7380'. Pumped a total of 23,100 gals. 15% CSA Sour acid. Flushed CT string w/30 bbls. water and POOH.
15. L/D DP & RIH w/ bent jt. & 25 jts of DP on 2-7/8" tbg to 7828'. Swabbed for 2 days recovering a total of 123 BW w/a small show of gas. POOH & L/D DP.
16. PU Mud jt., desander, shroud & sub pump & RIH on 2-7/8" production tbg. w/SS CT string. Made final splice, landed tbg in wellhead, ND BOP & NU wellhead. RD PU and turned well over to production on 4/12/00.

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