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Daily Drilling Report  
 Federal No. 1, Lea Co., N. M.  
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See 25-195-345

Report Date	Description
7-14-81	MI Backhoe ;dug out cellar. RU Rathole machine & drlg. out "dry hole" marker & cmt. Welder cut off 8 5/8".
7-15-81	MIRU Yucca Drlg. Co., Rig #4. Dug pits. Ran 7 7/8" bit & started drlg. w/ air. No cmt. in bottom of 8 5/8" 0-960' w/ air. Had to mud up at 960'. First 200 Bbl. mud did not fill hole.
7-16-81	Mixed another 200 Bbl. mud. Filled hole & started drlg. Washed hole dwn. to 2100' depth. Circ. hole to run csg. Started out w/ drill pipe.
7-17-81	Finished POH w/ DP. Ran 66 jts. 5 1/2", 14# & 15.5# 8 RT csg. w/ 5 1/2" Float Shoe. Total of 1902.10' set at 1911.10' KB. RU western & cmt. csg. w/ 1050 sx. Class "C" neat cmt. Circ. to surface about 83 sx. cmt. Float did not hold. SD for cmt. to set. Had 1 jt. extra 5 1/2" csg.
7-18-81	Ran 2 7/8" 6.5# used Seal Locke Tbg. w/ 4 1/4" Tri-cone welded on bottom joint. Found 40' cmt. above plug. Drlg. out cmt. & plug w/ air. As soon as shoe was drilled out, water came in. Tried to Circ. dwn. w/ air, but water was coming in too fast. Ran Tbg. in w/out Circ. to 2300' hit bridge. Put on mud pump & Tbg. went again. It appears water is coming in from bottom of well. Ran 78 jts. Tbg. & landed at 2400' depth. SD air rig & moved off. Waiting on well service rig to spot cmt. plug at about 3200' for water shut off.
8-08-81	RU Pengo Rig #106. Picked up 23 jts. 2 7/8" Non-upset Seal Loke Tbg. Ran it & stopped going at 3114' bottom. SDFN.
8-09-81	SD Sunday
8-10-81	RU Western Co. Tied onto 2 7/8" Tbg. Pumped 18 Bbl. Fresh water in & loaded Tbg. Pumped another 14 Bbl. before we broke circulation. Circulated 10 BW at 300 psi & 2 BPM. Mixed 2 sx. salt gel in 20 Bbl. salt wtr. Pumped ahead of cmt. Mixed 150 sx. Class "C" cmt. w/ 1% CaCl <sub>2</sub> dwn. Tbg. Displaced cmt. w/ 18 Bbls. salt wtr. Shut dwn. Released press. & flowed back 2 Bbl. Fluid equalized. POH w/ 24 jts. 2 7/8" Tbg. Hooked up Western & circulated Tbg. w/ 80 Bbl. fresh wtr. SDFN.
8-11-81	Crew to loc. Ran 18 jts. Tbg. back in hole. Tagged solid cmt. at 2992'. Had 122' fillup. Laid dwn. 23 jts. Tbg. Landed Tbg. in well head. Bottom of 2 7/8" at 2400'. RD Pengo & moved off. Well ready to circ. fresh wtr.
8-11-81	NOTE For file - Tight place in hole with about 2350' tubing in well. Pulled about 10,000 # and could not come up. Went down freely. Probably a keyseat in an anhydrite ledge catching bit. We decided to leave it alone and see if the circulation of fresh water might not wash it out in time.