

DRILLING PROGRESS:

ODESSA NATURAL CORPORATION  
W S RANCH NO. 1-X  
Section 30, T-30N, R-20E  
Colfax County, New Mexico

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2-25-72:

Moving on location and rigging up. Prep to spud this pm.

3-26-72:

Drlg 180' w/Bit #1 in ss & sh. Survey:  $1/2^\circ$  @ 90'. Spudded well @ 6:00 pm  
3-25-72.

3-27-72:

Drlg 480' w/Bit #2 in ss & sh. Survey:  $1^\circ$  @ 186'. Drld 268'/24 hours. Ran 5 jts of 8-5/8" OD 24.0#/ft K-55 ST&C new csg, 196'. Set @ 210' KB. Cmt d w/150 sxs of reg cmt w/2% CaCl<sub>2</sub>. Plug down @ 10:15 am. Cmt did not circ. Will gravel pack this am. Pressure tested casing and blow out preventor to 1000 psi for 30 min and held okay. Nippled up and drld out cement @ 10:15 pm.

3-28-72:

WOC @ 717'. Survey:  $1/2^\circ$  @ 656'. Drld 237'/24 hrs. At 12:15 pm, surface pipe started circulating around annulus. POOH and waited on Halliburton until 1:30 am. Pipe was free and would rotate. Had all of pipe weight. Ran plug and pumped to 215' wireline measurement. Plug stopped. Cmt d w/153 sacks of Portland cement (3% CaCl<sub>2</sub>.) Followed plug to 175' w/wireline. Job completed @ 3:30 am. Had full returns while cmtg with no cmt returns. Cellar fell 6" in 1 hr 15 min. Found cmt @ +12'. Pumped out cellar & 6' of hole. Will fill up top 12' of hole with cement from surface.

3-29-72:

Trip in at 1225' w/bit #3 in ss & sh. Made 508'. Started drlg cmt @ 12:00 noon. Drld cmt & plugs @ 1:30 pm. Started drlg @ 3:30 pm. Cut sand 1191-1223'.

3-30-72:

Mixing mud @ 2410' w/bit #2 in shale. Survey:  $1^\circ$  @ 1695',  $1-1/4^\circ$  @ 2191'. Made 1397' in 24 hours. Drilled to 2229' at 3:45 pm. Lost circulation and stuck pipe. Worked pipe 10 stands out of hole at 5:45 pm. Stopped swabbing hole and pipe came free. Pumped in 250 barrels of water with partial returns twice, for 1 minute each time on full pump. Pulled to drill collars. Mixed 43 viscosity mud with 15% lease crude material. Regained returns and worked to bottom at 11:45 pm. Drilled to 2410' at 2:20 am and lost returns. Lost 100 barrels of mud. Pulled 15 stands and pumped 100 barrels with 300 barrels with no returns. Now mixing mud.

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