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DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

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ARTESIA PETROLEUM COMPANY NO. 4

- 6-12-81 W.O.C. Move in rig WEK No 1, Spud 12 1/4" hole, 6:15 PM
6-11-81, T.D. 382', 11:00 PM 6-11-81, Run 9 jts. 369.78'
8 5/8" 23# L.B. Foster new csg., set at 382' w/Texas Pattern
shoe, insert float, 2 centralizers. Cement w/300 sks. class
"C" w/2% c.c., plug down 2:00 AM 6-22-81, circ. 75 sks.
- 6-13-81 Drlg. 1485', drill out 8:00 PM 6-12-81, pressure csg. & B.O.P.
to 1000# for 30 minutes, holding ok. lost partial circ. at 490'
mix pit mud w/L.C. Mat., pump down, start drilling, small loss
drlg. fluid.
- 6-14-81 Drilling 2247', Deviation 2215' 3/4°, no water flow.
- 6-15-81 Drilling 2855', Deviation 2690' 3/4°, drilling break 2385-95,
water flow 2825', small flow 2555'
- 6-16-81 Circ. at 3157', had lost all circ., pull up off bottom, work
pipe, pump on hole.
- 6-17-81 Circ. off D.V. tool, T.D. at 3320' 7:15 PM 6-16-81, circ. hole
1 hr., pull out of hole, laying down, rig up & run 79 jts. 3310'
4 1/2" 10.5# new csg. w/aut. fill float shoe, w/ latch down plug,
10 centralizers (D.V. tool) set at 3310', D.V. tool set at 2891',
cement 1st stage w/150 sks. class H cement w/5# salt, 5/10 of 1%
CFR2, 10# of #3 sand, plug down on 1st stage 5:15 AM 6-17-81,
drop bomb, open D.V. tool, circ. off D.V. tool 4 hrs., open flow
to pit, release rig.
- 6-18-81 Rig up to cement 2nd stage w/300 sks. thix-set w/10# gilsonite
1/4# flocele, 2% c.c., 500 sks. Hall. Lite w/20# salt, 1/4#
flocele, 200 sks. class "H" w/4% c. Clr. over, displace 15 bbls.
balance csg. 3 hrs., open csg. to pit, will cement 2nd stage
next am.
- 6-19-81 Flow still strong out csg., closed csg. valves, water started
flowing out braden head, mix & pump 400 sks. Cl. "H" w/6% gel,
400 sks. Cl. H w/2% c.clr., Balance flow for 2 1/2 hrs., left
csg. wide open to pit w/3-2" lines, flow rate approximately
6000 B.P.D. circ. out cement to surf.
- 6-20-81 Closed flow on csg. 10 minutes, flow came around back side,
rig up Halliburton to re-cement w/900 sks. class "H" w/.3 of 1%
CFR2 3# salt 10# sand 2% c.chl.
- 6-21-81 Closed in csg., pressure built to 950#, pump in 4 1/4 bpm at
1300#, no flow on back side, mix & pump 300 sks. cl. "H"
thix-set w/5# gil., 1/4# flocele, 2% c.chl., 900 sks. cl. "H"
w/10# sand, 3# salt, .3 of 1% CFR2 and 2% CC, build pressure
to 3500#, plug down thru surf. 640', rest of pipe full of cement
4050 sks. total cement.