Energy, Minerals and Natural Resources Revised July 18, 2013	Submit 1 Copy To Appropriate District Office	State of New Mexico	Form C-103
District Graph G	District I - (575) 393-6161	Energy, Minerals and Natural Resources	Revised July 18, 2013
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Run 7" X 5 1/2" casing as follows: 4/9 - 4/9

1 - 5 1/2" float shoe, 2 its of 5 1/2" flush joint casing, 1 - 5 /2" float collar, 86 its of 5 1/2" flush it casing, total of 3,624' of 5 1/2" flush it string.

Top of 5 1/2" 20# L-80 flush jt casing @ 11,035.96'.

1 - 5 1/2" X 7" changover, 1 jt of 7" casing, 1 Weatherford 7" DVT, 253 jts of 7" 29# L-80 csg, for a total of 11,039.11' of 7" casing.

Shoe depth 14,660', Float collar depth 14,575', 5 1/2"X7" X-O depth 11,033', Weatherford 7" DVT depth 10,987'. Rig KB is 25'.

We had about 4' of stick up above the rig floor. Filled pipe every 30 jts or as needed.

Pump 1st stage cement job as follows:

Pump 3 bbls of FW ahead, shut in head and pressure test lines to 4,500

Open valves and pump 20 bbls of gel spacer ahead, 1st Stage Lead: 190 sx of Allied High Yield Class H, blended with Poz 37 lb/sx, Gel 8.4 lb/sx,

Sodium Chloride 5 lb/sx, Retarder 0.42 lb/sx, Powder Defoamer 0.21 lb/sx, Mixed @ 11.8 ppg, Yield 2.39 Cuft/sx, pumped @ 6 bbls min @ 900 psi

for a total of 81 bbls of cement.

1st Stage Tail: 115 sx of Class H premium, Blended with Dispersant 0.09 lb/sx, Retardeer 0.38 lb/sx., mixed @ 15.6 ppg, 1.18 yield cuft/sx,

Pumped @ 5.5 bbls min @ 700 psi, for a total of 24 bbls of cement, Displace with 90 bbls of FW and 398 bbls of 10.9# drilling mud pumped @ 6 bbls min @ 1,700 psi,

plug bumped @ 2,250 psi. Waited 5 min and bleed off pressure, floats are holding, Remove top of cement head and drop DVT bomb, install cementing head top,

wait 45 min of bomb to hit, Pressure up to 730 psi and DVT opened. Pump 20 bbls ahead and swap lines over to the rig, We then circulated DVT with rig pumps,

we got back about 30 bbls of good cement. Circulate DVT @ 300 gal min for 6 hrs.

Cement 2nd stage as follows:

2nd Stage Lead: Allied High Yield Class H, 1,460 sx blended with Poz 37 lb/sx, Gel 8.4 lb/sx, Sod Chlor 5 lb/sx. Defoamer 0.21 lb/sx, Retarder 0.34 lb/sx,

Pumped @ 5 bbls min @ 400 psi, for a total of 624 bbls of cement.

2nd Stage Tail: 150 sx of Allied 50/50 poz blended with Poz 37 lb/sx, Gel 1.68 lb/sx, fluid loss 0.25 lb/sx, Retarder 0.13 lb/sx mixed @ 14.2 ppg, 1.26 yld ft3,

pumped @ 5 bbls min @ 400 psi, Shut down and drop closing plug, pump 408 bbls of FW @ 6 bbls min @ 2,300 psi.

Bumped plug @ 2800 psi. Shut in well and held pressure at 2,000 psi for 6 hrs. We did see a color change but not sure if good cement circulated. Ran temp survey after 12 hours.

HOBBS OCD

APR 1 X 2017

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