Attachment for Form C-103

Hooper 🕴 1 Pearl Area

Recompleted from Bone Spring to Queen.

Set 5 1/2" CI bridge plug @ 8150' & capped w/ 1 sx. cement. Set 5 1/2" CI bridge plug @ 5700' & capped w/1 sx. cement. Perforated 5 1/2" casing 5650' - 5652' w/4 jet shots per foot. Set Baker Model K Cement retainer @ 5619'. Pumped 5 B0 down tubing followed by 30 sx. DOC. Pumped oil into formation @ 2000 psi. With 3 barrels DOC in formation pressure 2200 psi. Pressure gradually increased to 2400 psi. With 6 bbls. DOC In formation. Pumping at rate of 2 1/2 b/m. 1 minute SIP 2000 psi. After WOC 30 hours tubing on vacuum. Pumped 15 BO in casing perforations @ 5650' @ 2200 pei @ 2 b/m. Pulled tubing. Pefforated @ 5200' w/4 holes. Ran Baker stinger sub on 2 1/2" tubing. Set into cement retainer. Pumped 100 BW down casing annulus thru perforations @ 5200' @ 2000 psi @ 2 b/m. No returns thru tubing. Pumped down tubing into perforations @ 5650' & obtained returns in annulus from perforations 5200' w/200 BW ↓ 1200 psi @ 3 b/m. Washed behind casing w/1000 gallons 15% MCA thru casing perforations survey which indicated cement @ 505' outside casing & hit bridge @ 5187'. No indication of cement inside casing @ 5187'. Cleaned out to 5615'. Found cement retainer @ 5615'. Displaced water w/oil. Ran Worth Well temperature survey which indicated cement from 5200' - 5615' eutside 5 1/2" casing. Perforated 5 1/2" casing 5568' + 5588' w/4 jet jet shots per foot. Pumped 35 BO into formation. Treated formation down 2 1/2" tubing thru casing perforations 5568' - 5588' w/10,000 gallons Control-frac containing 1# sand/gallon & 500# F-3, fluid loss control additive. Overflushed w/163 BO. Pumped 28 BW into casing perforations @ 5200' at rate of 2 1/2 b/m.@ 1900 psi. Pulled 2 1/2" tubing. Set Baker Model K-2A bridge plug @ 5250'. Perforated @ 4200' w/4 jet shots per foot. Ran casing scraper on 1 joint 2 1/2" tubing on sand line. Failed to get past 4200". Ran 5 jts. 2 1/2" tubing, jars & sinker bar on sand line. Scraped 4200' - TD. Encountered tight places last 700'. Ran full-bore comenter on 2 1/2" tubing & set cementer @ 4567'. Pumped down casing-tubing annulus thru perforations @ 4200' w/8 BW @ 1200 psi @ 3 1/2 b/m. Failed to circulate. Pumped 54 BW down tubing thru casing perforations @ 5200' @ 1900 psi. © 2 b/m. Failed to circulate. Pulled tubing & cementer. Perforated © 5040' w/4 holes. Set full-bore cementer © 4567'. Pumped 25 BW down tubing thru casing perforations © 5040'. Failed to circulate. Fumped down casing-tubing annulus thru casing perforations 3 4200'. Circulated thru Bradenhead. Circulated 125 BW. Pumped down tubing w/30 BW thru casing perforations @ 5040'. Failed to circulated from 5040' - 4200'. Pumped 70 BW down casing annulus thru perforations @ 4200' @ 3 1/2 b/m @ 2600 psi. Failed to circulate. Pumped 50 BW down tubing thru casing perforations @ 5040'. Failed to circulate. Pumped 50 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 245 BW down tubing thru casing perforations @ 5040'. Failed to circulate. Flowed back approximately all water pumped into well. Pulled tubing & retrievable comenter. Perforated 5 1/2" casing G 4860' w/4 jet shots. Set retrievable cementer @ 4497'. Pumped 80 BW down it tubing thru casing perforations @ 4860'. Failed to circulate. Pumped 80 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 60 BW down tubing thru. perforations 3 4860'. Failed to circulate. Added 14 jts. 2 1/2" tubing & set packer @ 4938'. Pumped 60 BW down tubing thru casing perforations @ 5040'. Tailed to circulate. Pumped 60 BW down casing annulus thru perforations @ 4860'. Failed to circulate. Pumped 60 BW down tubing thru perforations 3 5040'. Failed to circulate. Pulled 14 jts. 2 1/2" tubing. Set packer @ 4497'. Pumped 60 BW down tubing thru casing perforations @ 4860'. Failed to circulate. Pumped 50 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 40 BW down tubing @ 5. b/m @ 2000 psi. Failed to circulate. Flowed all water back.

Pulled 2 1/2" tubing & retrievable cementer.

Set 5 1/2" Baker 2-A CI bridge plug 3 5060' & capped w/1 sx. cement.

Ran retrievable cementer on 2 1/2" tubing. Set packer @ 4938'. Pumped down tubing w/100 BW thru perforations 5040' - 4860'. Pulled 14 jts. 2 1/2" tubing. Set packer @ 4497'. Pumped 30 BW down tubing thru perforations @ 4860'. Mixed 1000 gallons Form-gel. Pumped gel down tubing & displaced w/49 BW. After shut in 15 minutes pumped 346 BW down tubing. Failed to circulate. Pumped 60 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 70 BW down tubing thru perforations @ 4860'. Failed to circulate. Pumped 70 BW down casing thru perforations @ 4200'. Failed to circulate. Pulled 2 1/2" tubing & retrievable cementer.

Set Baker 2-A CI bridge plug & capped w/l sx. cement. Ran retrievable cementer on 2 1/2* tubing, set @ 4497'. Fumped 100 BW down tubing thru casing perforations @ 4860'. Failed to circulate. Pumped 100 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Spotted 1000 gallons MCA thru casing perforations @ 4860'. Flushed down tubing w/31 BW. After waiting on acid 24 hours pumped 100 BW down casing thru perforations # 4200'. Failed to circulate. Pumped 150 BW down tubing thru casing perforations # 4860'.

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which is a local structure of the comparent of the comparent. The set of the erdersted 5 1/2" casing 56501 - 56521 -/6 jet elete per foot. et le bodel F Genent relainer 56191. Fammed 5 30 dour tuttar folloved by For all contents relation of the points, non-evolution contents to note the open of the WS. WS. Sumped all lists for which a 2000 ref. With Charnels DOC in frontion pressource DOC (a). Streaments reducily increment to Shok wei. With 6 bols. Do of the Shok and the rete of C 1/2 b/m. 1 minute SIP 2000 pat. After woo for the Shok and the rete of C 1/2 b/m. 1 minute SIP 2000 pat. After woo for 2 b/m. colled tubing. Fefforeted a 5200 referes and an Baser stinger sub on 2 b/m. . Alto Set into general retainer. Sumped 100 BV down gester sinulus thro conformations autre 1. 2000 stores a toward. A second to be an an and down tubing into a STOP 12000 st. C b/n. So returns thru tobing. Mumod down tubing into any retions Store Cobtained returns in annulus from exforations 52.01 e/2000 even 174 pairs 30/s. Washed behind chain, w/1000 palloys 150 FMA thru costar verfors tions 25501-52001 followed w/205 BV. Mixed 100 ax. regular cenent & pumped down tubing into merforetions : 56501 @ 1200 pei. Pulled (1/2" tubing. Ren Worth Vell temperature survey which indicated cement & 5051 outside casing & bit bridge : 51201. So indiceston of remotion that description of the casing outside casing which the bridge is 51201. So indiceston Dis la reter w/oil. See forth Vell temerature survey which indicated os int from 520(1 - 5515) putation 511 (chain - Ferforated 51/2" obsime 55661 - 35801 w/L jet jet olous er Soos. Frances 35 20 into formation. Greeted formation form 21/0" tubine Wird destag perfore tions 55681 - 55881 w/10,000 gellons Control-freg gorteluine 19 sauffastion & 800% F-3, fluid lose control additive. Overfluched w/169 mo. Famped 28 W into estimy performations a 5200' at rate of 2 1/2 b/m.2 1900 vet. Pulled 2 1/2" tubing. let heker Codel E-24 bridge plug & 5850'. Perforated & Dong! w/h jet ghots ar foot. The onside screyer on 1 foint 2 1/2" tuning on send live. Foiled to get about 200'. Fam 5 Ste. 5 1/2" tubing, Stre 5 sinker ber on send line. Screpped 02001 - 30. Scrowntered tight places lest 9001. Hen full-tore desenter on 2 1/2" tubing 3 set dependent : 65671. Comped down constant tubing shoulds thra perforations . \$2601 w/S av 1 1200 pet 2 3 1/2 b/m. In 1103 to circulate. Fumped 5% 30 down tubing thru castar carforestine . 52.01 a 1907 et Y u/m. Fatled to directors. alles tabica & cementar. Centorstad - found vy holes. Set full-core computer o 15671. Fumped 25 BW down bobles three or of the merfore thus a Schut. folica to circutate. Funged down casing-tubing annalus thru casing perforations . 12001. Structured threaterbased. Circulated 125 3%. Funded down tubing w/36 NV thru dealog serforatires - 50601. Rulled to strangted from 50501 - anort. Runned 70 EV down creing esular birr performblors a bout . - 1/2 b/a - 2600 pet. Veiled to stroulate. Sumped 50 produce biru coalar vertorations Schol. Failed to straulate. Funded 50 By de al reales enculue tran perforetione . Acto: Tailed to circulate. Rumped 245 BV down will and reaches erforetions. Schol. Tailed to sireniste. Ployed back spirorimetely 1 sets y sugged into cell. Folled fulles & retrievable concluser. Perforent f. a constant and and and a set retrieveble constant a start. Funged 80 RW down a situation of the constant and White three perfore there . Falled to ctroulose. Furned 60 PV down tubing thru ariant to a rackor. Falled to stroulste. Added 14 3ts. 2 1/2" subist 6 set packer : 19911. Jaused 60 38 down hubing thru casing perforetions of 50001. Tailed to circulate. i down tubing thr. perforetions . Sobri. Failed to circulate. Failed 14 deg. 2 1/2" . Mosd mater fis 5: No D

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teo retrievable cetanter on 2 1/2" busing. Set prover's 1990. Publed down this w/100 " . . erforetione file! - 1360!. Salled 1- ite. 2012" tubirs. 5.5 woker 4497!. . und ed 36 .W lowe tobtar thru part restring a 48501. Pfyed 1000 walloar Porcewel. Furned rel town tottar, a teplaced w/k9 By. After shut to 15 minutes pusped 366 SW form tobtar. Telled to etrouble. Eunced 60 Te down asein canalus three erforetions hait. Felled co circulete, lumest 70 % more tall, securerformations a 53501, selled to circollete. Aunoad 70 2% down costure time, erforetions a 42001, Selled to circulate. Sulled 5 1/2" Tetromen eldevetroen confout

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