

06/19/06

Crew to location. IWP- 0/0/0. PU 1 1/4"CSH MS. TIH, tally w/ 29jnts 1 1/4" 3.25# N80 CSH to 900'. Establish circulation w/ light drilling mud. Condition hole for 4 hrs. RU BJ Services. Pump surface shoe annular fill per COGCC requirement as follows: Break circulation w/ 5 bbls water. Batch and pump 247sks G cement+ 2% CACL2(47 bbls @ 15.8PPG). Displace w/ 1 bbl water. 10 bbls cement returns @ surface. SD BJ Services. RD BJ Services. ND dual outlet flange. Re-land production casing. Set in slips w/ 80K. Dump 2 sks 20/40 sand. Chase w/ 5 bbls water. NU surface head, NU 5000# WH. NU BOPs. Reload casing. SWI. SDFD.

06/20/06

Crew to location. IWP- 0/0/0. RU Nuex Wireline. PU CCL, CBL, VDL, gamma ray tool. RIH to 1180'. Log from 1800'-surface. CBL shows cement bottum @ 920', w/ sporadic bond to 250'. From 250' to surface bond looks very good. POOH w/ wireline. ND BOPs. NU WH & 10000# frac valve. RU H&S Testing. Test casing and RBP to 5000#s for 15 mins. Good Test. Bleed off. ND frac valve & WH. NU BOPs. PU 3 1/8" slickgun, loaded w/ 4spf, .34" holes, 60 degree phsng, 23 gram charges. Correlate depths off CBL dated 1/03. Perforate the Codell from 7201'-7211' 40 holes. POOH w/ wireline. All shots fired. RD Nuex. PU new SNNC. TIH and test to 6000#s w/ 227 jnts 2 3/8" J55 tubing. ND BOPs. NU 10000# frac valve. Land tubing @ 7178'.SWI.Well ready to frac via deadstring. RD rig. SDFD.

Tubing landed @ 7178'

227 jnts 2 3/8" J55 4.7#-----	7165.98'
SNNC-----	1.50'
KB-----	10.00'

06/21/06-07/19/06

Scheduled to frac 07/20/06.

07/20/06

*** VISTAR 22 *** LOVELAND CITY WATER *** 14.0 BPM *** 10.25 pH ***
1.0 GPT GBW-23L *** 2x SURFACTANT (INFLO150) ***

MIRU BJ Services to 2 3/8" Tubing. The Codell was Frac'd via 2 3/8" Tubing DEAD STRING configuration from 7,201' - 7,211'. A REVERSE STEP RATE TEST WAS PERFORMED. Calculated 35 perfs open, 60 psi perf friction and 48 psi near wellbore friction. The Codell was treated with 127,134 gals of VISTAR with 22# gel loading and 270,680 LBS of 20/40 Ottawa sand. Flushed treatment with 26 bbls. max sand concentration = 4 #/gal, ATP = 5,810 psi, Max pressure = 6,378 psi, ATR = 14.5 BPM, Max rate = 14.6 BPM, pre frac ISIP = 3,060 psi, 5 min = 2,960 psi, post frac ISIP = 3,167 psi, 5 min = 3,111 psi. Plumbed in flowback line and the well was opened to flow back after +/- 11 min. on a 14/64" choke w/ 3,100 psi. There is a total of 3,052 BBLs of

WELL NAME: Powers 12-22
Production Inc.
LEGAL: SW/NW Sec. 22-T2N-R65W
START DATE: 06/13/06
SURF CSG: 8-5/8" SET @ 803'
PROD CSG: 4-1/2" SET @ 7955'
TBG: 2-3/8" @ 7609'
TD: 7979' PBTD: 7920' TOC: 6590'
OTHER INFORMATION:
OBJECTIVE: Codell Recomplete
CURRENT OPERATIONS:
FOREMAN: Randy Jakel

OPERATOR: Noble Energy
COUNTY: Weld STATE: CO
AFE: #
AFE: \$170,000
CD: 7201'-7211'
NB:
JSD: 7653'-7690'
DKT: 7863'-7892'
ITO: 07/22/06
FRAC DATE: 07/20/06

06/13/06

MIRU. Workover rig, tank and pump. SDFD.

06/14/06

Crew to location. IWP- 200/250/0. Blow well down. ND production WH. NU BOPs. PU tag jnts. Tag fill w/ 25' of 1st tag jnt @ 7676'. LD tag jnt. TOOH, tally and SB w/ 200 jnts 2 3/8" J55 4.7#. Stiff arm on powertongs breaks on attachment to derrick. Wait for parts and welder. Weld stiff arm in place. Continue to TOOH w/ 42 jnts more+SNNC. Total of 242 jnts in hole.(Well file showed 234 jnts in hole) . SWI. SDFD.

06/15/06

Crew to location. IWP- 0/0/0. RU H&S Testing. PU 2 3/8" hydrostatic bailer and flappers. TIH and test to 6000#s w/ 241 jnts 2 3/8" J55 4.7#. Tag fill @ 7622'. RD H&S Testing. Bail to jnt 246, 10' @ 7782'. TOOH w/ 246 jnts. LD bailer and flapper. PU bit and scraper. TIH w/ 241 jnts. LD 16 jnts. TOOH and SB w/ 225 jnts. SWI. SDFD.

06/16/06

Crew to location. IWP- 0/0/0. PU RBP. TIH w/ 241 jnts 2 3/8" J55 4.7#. Set RBP @ 7608'. Establish reverse circulation. Roll hole clean. LD 16 jnts. TOOH and SB w/ 225 jnts. ND BOPs. ND WH. RU Lee Pool Welding. Cut Surface head bolts off. Strip off surface head top flange. Weld bell nipple on 4 1/2" casing. Unland 4 1/2" casing, remove slips from surface bowl. Cut surface casing, just below surface head. Weld new 8 5/8" slip collar on surface pipe. NU new 8 5/8" surface bowl. NU dual outlet flange. SWI. SDFD.