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SIGNATURE WERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375 APPROVED BY TITLE Dist. MGR DATE 3-28-2013 Conditions of Approval (if any):	I hereby certify that the information above is true and complete to the	best of my kasiged	E suaming MIT Test & Chart		
Type or print name: DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375 APPROVED BY TITLE_Dist. Mark DATE 3-28-2013 Conditions of Approval (if any): Date 3-28-2013	SIGNATURE SIGNATURE TITLE: REGULATORY SPECIALIST DATE: 03-22-2013				
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Well:Central Vacuum Unit # 56Field:Vacuum Grayburg San AndresAPI No.:30-025- 25722Lea County, New Mexico

Description of work: POOH with tubing and packer. CO. Re-Perf with StimGun, acidize & RIH with injection equipment.

Pre-Work:

Check wellhead and all connections and change out anything that needs to be replaced prior to rigging up on the well

- 1. Utilize the rig move check list.
- 2. Check anchors and verify that pull test has been completed in the last 24 months.
- 3. Ensure location of & distance to power lines is in accordance with MCA SWP. Complete and electrical variance and electrical variance RUMS if necessary.
- 4. Ensure that location is of adequate build and construction.
- 5. Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
- 6. When NU anything over and open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole
- 7. For wells to be worked on or drilled in an H2S field/area, include the anticipated maximum amount of H2S that an individual could be exposed to along with the ROE calculations for 100 ppm and 500 ppm (attached).
- 8. If the possibility of trapped pressure exists, check for possible obstruction by:
 - Pumping through the fish/tubular this is not guaranteed with an old fish as the possibility of a hole above the obstruction could yield inconclusive results
 - Dummy run make a dummy run through the fish/tubular with sandline, slickline, eline or rods to verify no obstruction. Prior to making any dummy run contact RE and discuss.

If unable to verify that there is no obstruction above the connection to be broken, or if there is an obstruction:

• Hot Tap at the connection to check for pressure and bleed off Observe and watch for signs / indicators of pressure as connection is being broken. Use mud bucket (with seals removed) and clear all non-essential personnel from the floor.

Procedure:

- 1. Rig up pulling unit. Check wellhead pressure, and pump tubing volume of 10# BW. Calculate kill mud weight.
- 2. Rig up wireline truck. Pressure test lubricator to 1,000 psi on catwalk. RIH with gauge ring. Set 1.5" "F" blanking plug in profile nipple.
- 3. ND wellhead. NU 5,000 psi BOP with 2-3/8" pipe rams over blinds with hydrill on top.
- 4. Release from on/off tool. Circulate kill mud. POOH with 1 joint of tubing, install 4-1/2" test packer, RIH & set packer at ~25'. Test BOP to 250 psi low / 500 psi high. POH & lay down test packer.

Lea County, New Mexico

- 5. Latch back up and pressure casing to 500 psi to test for a casing leak.
- 6. POH with 2-3/8" fiberlined injection tubing. Scan tubing coming out of the hole, laying down bad joints. Provide remedial engineer tubing scan results so a decision can be made on the amount of new 2-3/8" Fiberline tubing will need to be purchased.
- 7. PU & RIH with on-off shuck, 4' perf sub on 2-3/8" work string. Latch up to on-off tool. RU WL and pull plug.
- 8. Release Arrowset packer and TOH. Lay down packer.
- 9. RIH with 3-7/8" MTB on 2-3/8" WS w/ (6) 3-1/8" DC's and CO from 4,379' to 4,778'.
- 10. POH with MTB and WS.
- 11. Rig up wireline truck. Test lubricator on cat walk to 500 psi. NU Lubricator. Get on depth with Western Wireline Services Compensated Neutron dated 1/10/78 (tie in strip attached). RIH with Baker Hughes Stimgun (propellant stimulation). Perforate the 4-1/2" casing as per Baker Hughes specs. Perforations are at 4,400' 4,415', 4,442' 4,462', 4,515' 4,545', & 4,580' 4,615'.
- 12. POOH with Stimgun. Rig down wireline truck.
- 13. PU 4-1/2" treating packer & RBP (tubing retrieve) on 2-3/8" L80 workstring. Test tubing to 5,000 psi below slips while RIH.
- 14. Set RBP at 4,630'. Set packer at 4,300'. Prepare to acid stimulate.
- 15. Acidize San Andres perfs from 4,400 4,615' with 12,000 gal 15% HCL. Pump acid in 4 equal stages and block with 6,000lbs rock salt/stage as a diverting agent. Adjust salt volumes as necessary based on pressure response. Pump acid at 5-6 BPM. Max Pressure = 4,800 psi. Load and pressure backside to 500 psi. Displace acid with FW to bottom perf at 4,686'. Monitor casing pressure for communication around packer.
- 16. Shut-in for 2 hours to allow acid to spend.
- 17. Flow or swab load back.
- 18. Release packer. Kill well as necessary. RIH to release RBP. POH and laydown packer, RBP, and work string.
- 19. Hydro-test and RIH with 2-3/8" Fiberlined injection tubing with on-off tool and 1.43" ID'F' profile nipple and 4-1/2" Arrow Set IX (external nickel plated, internal plastic coated) injection packer with pump out plug on bottom.
- 20. Set packer at 4,198' (Upper most setting depth is 3,858' top of the unitized interval Per OCD Order R-5530-F Production Engineer will let OCD know of intent to set packer more than 100' of top perf).
- 21. Unlatch tubing from packer and circulate packer fluid.
- 22. Latch tubing back on to packer.
- 23. Pressure backside to 500 psi and hold for 30 minutes (pre-MIT).
- 24. Bleed off pressure. ND BOP. NU wellhead. Pressure tubing to pump out plug.

Lea County, New Mexico

- 25. Install chart recorder. Pressure backside to 500 psi for 33 minutes to satisfy requirements for an official MIT. Send chart to Denise Pinkerton (Chevron Regulatory) in Midland Office.
- 26. Rig down pulling unit.
- 27. Write work order to re-connect the injection line.
- 28. File C-103 subsequent report with MIT chart attached (Denise Pinkerton Chevron Regulatory).
- 29. Place well on injection.

RRW 10/2/2012

Contacts:

Remedial Engineer – Larry Birkelbach Production Engineer – Ryan Warmke Baker Hughes Rep – Doug Lunsford ALCR – Danny Acosta D&C Ops Manager – Boyd Schaneman D&C Supt. – Heath Lynch OS – Nick Moschetti (432-687-7650 / Cell: 432-208-4772) (432-687-7452 / Cell: 281-460-9143) (432-570-1050 / Cell: 432-559-0396) (Cell: 575-631-9033) (432-687-7402 / Cell: 432-238-3667) (432-687-7857 / Cell: 281-685-6188) (Cell: 432-631-0646)

CURRENT WELLBORE DIAGRAM

CVU 56

