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 District I - (575) 393-6161
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 1000 Rio Brazos Rd., Aztec, NM 87410
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 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised August 1, 2011

HOBBS OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

APR 02 2014

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-02091
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT
4. Well Location Unit Letter N 660 feet from the SOUTH line and 1980 feet from the WEST line Section 24 Township 17S Range 34E NMPM County LEA		8. Well Number 7
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 4323
10. Pool name or Wildcat VACUUM ; GLORIETA		11. Elevation (Show whether DR, RKB, RT, GR, etc.)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER:		OTHER: STIMULATION OF PERFS	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.
 PLEASE FIND ATTACHED, REPORTS FOR WORK DONE FROM 08/05/2013 THROUGH 10/31/2013 ON THE SUBJECT WELL.

The following test is based on bottle test & theoretical fluid volumes being moved by the ESP pump curves.
 03/27/2014: 11 OIL, & 550 WATER

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE: REGULATORY SPECIALIST DATE: 03/31/2014
 Type or print name: DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375
For State Use Only
 APPROVED BY:  TITLE: Petroleum Engineer DATE: APR 03 2014
 Conditions of Approval (if any):

APR 03 2014



Summary Report

Major Rig Work Over (MRWO)
Stimulation

Job Start Date: 8/5/2013
Job End Date: 10/31/2013

Well Name VACUUM GLORIETA WEST UNIT 007		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,016.00	Original RKB (ft) 4,027.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Report Start Date: 8/5/2013

Com

road rig from Dollarhide to buckeye

mi ru workover rig 331, spot equipment , prepare to pull sub pump

crew travel

Report Start Date: 8/6/2013

Com

CREW TRAVEL

JSA, TGSM, CALLIPER 2 7/8" ELEVATORS,

NUBOP

ATTEMPT TO PULL SUBPUMP, SUBPUMP STUCK. WORKED WITH TBG AND PUMP, ABLE TO PULL UP 6'. CALLED OUT TRUCK W/ 120 BBL\$ WATER W/ 25 GALLONS SOAP. CONTINUE TO WORK W/ TBG AND PUMP. CAME UP HOLE ANOTHER 14'.

BREAK FOR LUNCH

PUMP 5 BBL\$ DOWN CASING W/ WATER & SOAP @ 1.5 BPM @ 170 PSI, CASING STARTED LEAKING AND WATER STARTED COMING UP THE GROUND. CONNECTED TO TUBING AND STARTED PUMPING 10 BBL\$, TUBING PRESSURED UP TO 1300 PSI. PRESSURE LEAKING OFF VERY SLOWLY. CALLED OUT ROTARY TO FREE POINT AND PERFORATE TUBING.

RU ROTARY WIRELINE, FREE POINT TUBING. TAG UP @ 5907. BASED ON WELL TUBING SCHEMATIC SHOULD HAVE TAGGED UP @ 5934. 100% FREE FROM 5907 TO SURFACE. STUCK BELOW 5907. PUNCH HOLES @ 5883. ROH W/ ROTARY TOOLS AND RD.

CIRCULATE 100 BBL\$ WATER/SOAP DOWN TBG,

WORKED W/ TBG AND SUBPUMP. DID NOT MAKE ANY PROGRESS. TOTAL TBG PULLED UP WAS 20'.

CREW TRAVEL

Report Start Date: 8/7/2013

Com

CREW TRAVEL.

SAFETY MTG. REVIEWED JSA, TENET #7, HAZARD WHEEL. CALIPERED 2 7/8" ELEVATORS.

CIRCULATED WELL W/ 180 BBL\$ FRESH WATER.

R/U ACID PUMP TRUCK. PUMPED 250 GALLONS 15% HCL. PUMPED 29 BBL\$ FRESH WATER. R/D ACID PUMP TRUCK.

CREW LUNCH. REVIEWED JSA.

MANUALLY JARRED TBG TO FREE PUMP. TURNED TBG BY HAND TO CHECK FOR TWISTED CABLE. CONT. TO JAR TBG. PUMP STILL STUCK.

R/U WIRELINE CHEMICAL CUTTER. RIH W/ CHEMICAL CUTTER. CUT TBG AT 5888'. DURING REMOVAL, LOST CUTTING TOOL DUE TO POSSIBLE CRIMP IN TBG NEAR 4600'. R/D WIRELINE.

PULL 4 STANDS 2 7/8 PROD. TUBING. CUT CABLE.

P/U RBP. RUN 4 STANDS 2 7/8" TBG. SET RBP AT 250' AND TEST BACKSIDE TO 300 PSI. HELD GOOD.. SHUT IN WELL AND SHUT DOWN.

CREW TRAVEL.

Report Start Date: 8/8/2013

Com

CREW TRAVEL.

SAFETY MTG. REVIEWED JSA, TENET #7, HAZARD WHEEL. CALIPERED 2 7/8" ELEVATORS.

TEST BOP RAMS AND ANNULAR 250/LOW - 500/HIGH. ALL HELD GOOD.

TOH W/ TUBING AND REDA CABLE AS FOLLOWS: 108 - 2 7/8" J-55, 76 - 2 3/8" TUBING, AND 20' OF JT 77. DID NOT LOCATE ROTARY CHEMICAL CUTTING TOOL INSIDE 2 3/8" TUBING. RIG DOWN SPOOLER, EQUIPMENT LEFT IN WELL, 9' X 1 7/16" OD ON TOP, 1 11/16" ON BOTTOM OF CHEMICAL CUTTER TOOL, 10' PIECE OF 2 3/8" JT, 1 - FULL 2 3/8" JT, SN, DV, 4' 2 3/8" SUB, 2 - PUMPS (14.5', 15') 3.38 OD, INTAKE 2.5' (3.38 OD), SEALS (9.1') 3.38 OD, MOTOR (20.8') 3.75 OD, CENTINNEL (4.1') 3.75 OD. TOTAL 81.85' TOP OF FISH @ 5888 BY WIRELINE DEPTH. APPROX. 70' - 80' OF REDA CABLE STILL LEFT W/ DOWN HOLE EQUIPMENT.

NOTE: CHEMICAL CUTTER TOOL COULD BE ON TOP OF 2 3/8" CUT JT OR COULD BE INSIDE 2 3/8" TUBING?

MOVE OUT PRODUCTION STRING, MOVE IN 2 7/8" WORKSTRING.

PU 7" RBP AND 7" PKR, TIH W/ 108 JTS, SET RBP @ 3522'. ATTEMPT TO COME OFF RBP W/ O/O TOOL TO SET PKR, TOOL WOULD NOT RELEASE. MADE SEVERAL ATTEMPTS WITH NO SUCCESS. POH W/ TOOLS. PKR WAS COVERED WITH SOME IRON SULFIDE/PARAFFIN BUT WAS OPERATIONAL. VISUAL CHECK OF RBP LOOKED OK, RIH W/ 1 JT AND 7" TENSION PKR, SET WITH NO PROBLEMS. RELEASE AND CONTINUE TO TRIP IN WELL TO 1210', SET PKR. FILLED CASING WITH WATER, PRESSURE UP TO 130 PSI, HELD FOR ABOUT 3 MINS, THEN PRESSURE FELL DOWN TO ZERO. BEGAN TO PUMP IN TO CASING SLOWLY, PUMPED INTO WELL ABOUT 2 BBL\$ WITH VERY LITTLE PRESSURE ON GAUGE. CASING LEAK COULD BE ABOVE 1210'. SDFD, SECURED WELL.

CREW TRAVEL.

Report Start Date: 8/9/2013

Com

CREW TRAVEL

SAFETY MTG. REVIEWED JSA'S, HAZARD WHEEL #9, TENET #9, E-COLORS. CALIPERED 2 7/8" ELEVATORS.

WELL ON VACUUM ABOVE AND BELOW PACKER. PACKER RELEASED. PULLED 37 JTS 2 7/8" WS. L/D RBP.

P/U SCRAPER AND BIT. RAN 118 JTS 2 7/8" WS TO DEPTH OF 3837'.

TOH W/ 118 JTS 2 7/8" WS AND SCRAPER. L/D SCRAPER AND BIT.



Summary Report

Major Rig Work Over (MRWO)
Stimulation
Job Start Date: 8/5/2013
Job End Date: 10/31/2013

Well Name VACUUM GLORIETA WEST UNIT 007		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
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Com

P/U RETRIEVING TOOL AND RBP. RUN 2 7/8" WS AND PLUG TO DEPTH OF 3511'.
 CREW LUNCH. REVIEWED JSA'S.
 SET RBP. PULL 108 JTS 2 7/8" WS AND RETRIEVING HEAD. L/D RT.
 P/U PACKER. RUN 107 JTS 2 7/8" WS TO 3481'.
 SET PACKER AND TEST TO 500#. GOOD SEAL.
 CHASED CASING LEAK W/ PACKER. NO LEAK IN CASING ABOVE 1004' DEPTH/ BELOW 1065' DEPTH. PACKER SET AT 1004' DEPTH W/ 31 JTS 2 7/8" WS. SHUT IN AND SHUT DOWN.
 CREW TRAVEL.

Report Start Date: 8/10/2013

Com

CREW TRAVEL
 SAFETY MTG. REVIEWED JSA'S, HAZARD WHEEL #10, TENET #10, E-COLORS. CALIPERED 2 7/8" ELEVATORS. DISCUSSED DIGGING SAFELY.
 CREW DUG AROUND WELL HEAD BY HAND TO FIND LEAK AT SURFACE. CASING LEAK CHANNELING UP AND AROUND THE OUTSIDE 7" CASING FROM BELOW.
 RELEASED PACKER. L/D 27 JTS 2 7/8" WS AND PACKER.
 RAN 35 JTS 2 7/8" WS.
 L/D 35 JTS 2 7/8" WS. PULLED LAST 27 JTS 2 7/8" WS. DUMPED SAND TO 10' ABOVE RBP.
 P/U RETAINER. RAN 27 JTS 2 7/8" WS IN HOLE.
 CREW LUNCH. REVIEWED JSA'S.
 CIRCULATED AROUND RETAINER. RETAINER SET AT 880'. SHUT IN WELL AND SHUT DOWN.
 CREW TRAVEL
 REPAIR CASING LEAK W/ CEMENT

Report Start Date: 8/12/2013

Com

CREW TRAVEL
 SAFETY MEETING. REVIEWED JSA'S, HAZARD WHEEL #2, TENET #2, E-COLORS. CALIPERED 2 7/8" ELEVATORS.
 CONVENTIONALLY CIRCULATED 16 BBLs FW. THROUGH CMT RET. AT 879 FT. SET RETAINER AT 879'.
 MOVE IN AND R/U BASIC CMT EQUIPMENT. PRESSURE TESTED LINES TO 1500# AND TUBING TO 2000#. PUT 380 PSI ON BACK SIDE.
 PUMPED 10 BBL LEAD FW AT 1.5 BBL/MIN. SWITCHED TO CMT. PUMPED 47 BBL C15 CMT 1.3 BBL/MIN. AVG AT 300-1200 PSI. PRESSURE BEGAN TO BLEED DOWN TO 600 PSI. FINISHED PUMPING C15. SWITCHED TO CaCl CMT AND PUMPED 24 BBL 2% CaCl CLASS C CEMENT. AVG 300 PSI. DISPLACED W/ 4 BBL FW. DURING TAIL END OF CEMENT AND DISPLACEMENT OF FW WE SAW APPROXIMATELY 3 BBL CEMENT CIRCULATED UP AT SURFACE.
 STUNG OUT AND PULLED UP 20', REVERSE CIRCULATE REMAINING CMT OUT OF TBG. WASHED UP.
 L/D 2 7/8" WS. SHUT IN WELL. LEFT HYDRAULIC BOP ON WELL. REMOVED ANNULAR BOP.
 CREW LUNCH. REVIEWED JSA'S
 FILLED UP CELLAR. R/D PULLING UNIT FOR MOVE TO CVU 438. SHUT DOWN.
 CREW TRAVEL

Report Start Date: 8/27/2013

Com

Travel Time for Rig Crew
 Reviewed JSA & Rig Move. Discussed job procedure to move rig to next location.
 Move Rig from CVU 438 to VGSAU #7
 MIRU Pulling Unit, Reverse Unit Frac Tanks & Pipe Racks.
 0 Pressure on well. NU Hydril to existing BOP Stack & test Hydraulic System & functioned as designed.
 Offload 2 7/8" Work String Tbg & Drill Collars & Tally
 RU Drilling BHA w/ 6 1/8" Bit, Bit Sub & 5 -
 4 3/4" Drill Collars Total BHA: 189.28 ft, 0 Ft KB Correction, 21 Jts 2 7/8" 6.5# L-80 W S Tbg w/ EOT 866.10 ft & tagged up on Cement
 RU SC LB Power Swivel & hoses. Close Pipe Rams & Lock, NU TIW Valve & Night Cap & Close.
 Well SIFN
 Debrief Meeting, discussed the days job events.

Travel Time for Rig Crew

Report Start Date: 8/28/2013

Com

Travel Time for Rig Crew
 JSA Safety Meeting. Discussed job procedure & hazards.
 No Pressure on well. RU Power Swivel & Stripping Rubber to wellhead.
 Break circ w/ Fresh Water & start drilling Cement @ 35 to 40 RPM, 4 to 6K WOB, 100 psi Pressure w/ good cement returns. Start drilling @ 866ft on Cement & tagged Retainer @ 8669 ft



Summary Report

Major Rig Work Over (MRWO)

Stimulation

Job Start Date: 8/5/2013

Job End Date: 10/31/2013

Well Name VACUUM GLORIETA WEST UNIT 007		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,016.00	Original RKB (ft) 4,027.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

Started drilling Cement Retainer @ 869 ft w/ 4 to 6 K WOB @ 35 to 40 RPM @ 120 psi circulating pressure. Wellhead was moving during drilling operations & was secured w

Wellhead was observed to be moving during drilling operations & was secured w/ a chain & Boomer It was observed that there was Water outside the 7 in casing. Pressured up to 300 psi & bled off to 180 psi in less than 1 min. Notified Jay Stocktor. & decision was made to TOH w/ Bit & TIH w/ tension Pkr & test casing.

RD Power Swivel & Stripping Rubber.

TOH w/ 2 7/8" Tbg & 4 3/4" Drill Collar BHA & 6 1/8" Bit. & stand back Tbg & Drill Collars.

TIH w/ Peak 7" 32-A Tension Pkr to 455 ft & set & test Annulus

Tbg Depth: 455 ft

Peak - 7 in 32-A Tension Pkr & set @ 455 ft & test Annulus to 300 PSI & bled to 50 psi in less than 1 min. Test Tbg to 300 PSI & Held

Tbg Depth: 196 ft

Test Annulus to 300 PSI & bled to 0 psi in less than 1 min. Test Tbg to 300 PSI 7 Held

Tbg Depth: 130 ft

Test Annulus to 300 psi & bled to 0 PSI in less than 1 min. Test Tbg to 300 PSI & Held

Tbg Depth: 62 ft

Test Annulus to 300 PSI 7 bled to 0 PSI in less than 1 min. Test Tbg to 300 PSI & Held.

SI Well, NU TIW Valve & Nifght Cap & Close. BOP Pipe Rams Closed & locked.

Conclusion: There is a casing leak from 62 ft from surface & may cause a problem if drilling poces continues.

Debrief Meeting, discussed the days job events

Travel Time for Rig Crew

Report Start Date: 8/29/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting discussed job procedure & hazards

No Pressure on Well. Caliper Elevators. Release Peak 32-A Tension Packer

Pkr Depth: 64 ft from Surface

TOH to 32 Ft & set & test Annulus to 300 psi & bled to 0 PSI in 30 sec..

Pkr Depth: 8 ft from Surface

Test Annulus to 300 psi & bled off to 0 PSI in 30 sec.

TOH w/ Peak 32-A Pkr & load.

TIH w/ 4 3/4" Drill Collars & Bit & TOH laying down collars.

TIH w/ 2 7/8" Tbg & TOH laying down TBG

ND BOP & NU B-1 Adapter Flange w/ valve & Bull Plug w/ Bleed Off Valve.

RD Pulling Unit. Load WS Tubing & move Fresh Water to storage tank

Current Well Condition:

7 " Cement Retainer has been drilled out from 869 ft to 870 ft & developed a casing leak @ Surface. Tested Squeeze to 300 PSI & held Okay.

Tested Casing to 8ft from Surface & was still leaking on annulus of test Pkr. RD Pulling Unit. During ND of BOP & NU of B-1 Adapter Flange it was found that the wellhead was loose & started to rotate when tightening bolts on Flange. Held back up on Casing head to tighten bolts to prevent possible damage to wellhead equipment.

Debrief Meeting, discussed the days job events.

Travel Time for Rig Crew

Report Start Date: 9/20/2013

Com

crew travel

review jsa's on rig move

move all equipment form N M STATE L 18 to location, spot equipment

rig up workover rig

nu bop and tubing running equipment and test bop 250/500 blinds and 2 3/8 pipe rams, held

move in workstring and talley same

gih with 6 1/4 mill tooth bit , bit sub., (4) 6 1/4 drill collars on 24 jis workstring and tag @874'

install stripper and ru power swevel and start drilling on retainer,

circ hole clean , secure well

crew travel

Report Start Date: 9/21/2013

Com

crew travel

review jsa's , check tubing elevators for correct size and document

continue to drill on retainer and drill on cement, drill to 893' after drilling thru retainer, only averaged 1 ft per 15 minutes



Summary Report

Major Rig Work Over (MRWO)
Stimulation

Job Start Date: 8/5/2013
Job End Date: 10/31/2013

Well Name VACUUM GLORIETA WEST UNIT 007		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,016.00	Original RKB (ft) 4,027.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

circ hole clean, secure well

crew travel

Report Start Date: 9/23/2013

Com

crew travel

review jsa's, check tubing elevators for correct size and document

pooh with tubing and bit,

change out bit to a bear claw bit and gih and contine to drill cement

continue to drill on cement, drilling rate stayed the same about 1 ft per 40 minutes, drilled to 915'

circ hole clean

pooh with tubing and collars and bit,

gih with (8) 4 1/4 drill collars, with 6 1/4 mill tooth bit on 23 jts workstring

crew travel

Report Start Date: 9/24/2013

Com

crew travel

review jsa's , check tubing elevators for correct size and document

ru power swevel and stripper head and start drilling cmt at 915'

continue to drill and fell out of cement at 1026'. had cement stringer down to 1090

circ hole with 40 bbls fresh water and load and test cement squeeze to 500 psi for 15 minutes held, release pressure

lay down power swevel and take off striper head, pooh laying down 8 drill collars

start in hole with retrieving head for rbp, secure well

crew travel

Report Start Date: 9/25/2013

Com

crew travel

review jsa's, check tubing elevators for correct size and document.

continue in hole and tag sand @ 3501

wash sand off of rbp, release rbp, well went on a vacume

pooh with rbp

gih with 3 3/4 OD overshot with 1 7/16 grapple and full open top sub on 182 jts tubing , tagged at 5854 and worked down to 5858' had to pull 2 points over when down at 5858 attempt to fish chemical cutter and jars and weight bar.

attempt to break circ with water , pump 130 bbls and got good circ ,

pooh with tubing and check if chemical cutter is in grapple

gih with 1500' killstring, secure well,

crew travel

Report Start Date: 9/26/2013

Com

crew travel

review jsa's , check tubing elevators for correct size and document

check tubing and casing psi

pooh with 1500' killstring

wait on new shoe to arrive from cut rite shop

gih with 4 7/8 smooth od shoe with 3 rows of wire on the inside, top bushing, on 180 jts, install stripper head and pick up power swevel

continue in hole with shoe and wash down to top of fish at 5895', circ hole clean wash out red bed and parrifin

pooh shoe and tubing, could see where the tubing bottom out on top sub, bent the wires, didn't get cutter out of the hole

gih with 1 7/16 grapple and attempt to latch onto cutter on 183 jts tubing

start out of hole with grapple, secure well

crew travel

Report Start Date: 9/27/2013

Com

crew travel

review jsa's, check tubing elevators for correct size and document

finish pooh with grapple and overshot, got the wireline chemical cutter

gih with 3 7/8 overshot, bumper sub, jars, (6) 3 1/8 drill collars, excellurator, top sub, 176 jts and latch onto fish

start jaring and working on fish to get sub pump loose, worked sub pump down and up , got free but dragging



Summary Report

Major Rig Work Over (MRWO)
Stimulation

Job Start Date: 8/5/2013
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Well Name VACUUM GLORIETA WEST UNIT 007		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,016.00	Original RKB (ft) 4,027.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

start out of hole with sub pump, drug all the way up the liner, had to work tubing up and down to free sub, continue out of the hole, pull up to sub pump and cut cable off of tubing and sub pump

gih with sub pump to 1500" with sub with perf sub, couldn't get sub tech on location to break down sub pump

crew travel

Report Start Date: 9/30/2013

Com

crew travel

review jsa's, check tubing elevators for correct size and document

pooh with killstring and lay down sub pump(had to wait on sub tech to arrive on location to tear down sub pump)

gih with 3 7/8 bladed junk mill on jts tubing and clean out liner (had problems with envirovac) couldn't keep up with fluid coming out of the well while running in hole

pickup power swevel and stripper head and start cleaning out @ 5888' to 6042'

circ hole clean and pull above top perf, secure well

crew travel

Report Start Date: 10/1/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting, discussed job procedure & hazards.

Continue w/ clean out process from 6054 ft to 6196 ft Top of Cement Plug. Drilling @ 35 to 40 RPM, 350 to 400 psi Circulation, 2 to 4K WOB. Cleaned out a large amount of Scale & Iron & circulated bottoms up several times to clean wellbore.

Continued to circulate wellbore due to getting Red Bed material back after cleaning up wellbore. Had ganulars that wwere caught in screen but had a large amount of fine Red Bed type material that went thru screen. Discussed w/ engineer & will make a decision late.

TOH w/ Bit to 1250 ft & leave Kill String in well. Ordered Casing Inspection equipment out of Odessa for tomorrow 7 am.

NU TIW Valve & night Cap, clos Pipe Rams & Lock

Debrief meeting, discussed the days job events & wellbore conditons. reviewed some SAFety Issues that are happening in other areas & discussed current level of safety issues on our jobs

Travel Time for Rig Crew

Report Start Date: 10/2/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting w/ Key & Apollo, discussed job procedure & hazards

Open well & 20 PSI on well but had flowback to Pit & no build in pressure on closing valve.

TOH w/ Kill String Tbg

MIRU Apollo equipment & RU to wellhead.

TIH to 3935 f inside 4 1/2" Liner 3 ft & start logging back out of hole to surface. Found that there were several bad spots in casing. Worst section from 1033 ft to 1017 ft

RU CBL Tool & TIH & Bond Log back out from 3903 ft TOL to Surface & found that there was little or no Cement from 3300 ft to 1400 ft & spotted Cement from 1400 ft to surface.

RD CBL equipment

SI Well & wait on orders

TIH w/ 20 Stds Kill String EOT: 1250 ft

SI Well, NU TIW Valve w/ Night Cap. Close BOP Pipe Rams & Lock

Debrief Meeting, discussed the days job events.

Travel Time for Rig Crew

Report Start Date: 10/3/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting discussed job procedure & hazards

BD well, less than 20 PSI on well & no flowback today.

TOH w/ 20 Stds Kill String

WellSI waiting on orders.

JSA Safey Meetingt, discussed job procedure & hazards. RU Gray Wireline Equipment.

TIH w/ 4 1/2" CIBP & correlate to TOL @ 3903 ft & run to 6022 ft & tagged up on fill. Had about 163 ft of fill since clean out 2 days before. Pulled up to 4050 ft & set CIBP, P/U & Slacked Off & found to be in place.

TOH w/ PSA & lay down.

RU Cement Dump Bailler & fill w/ Cement for 10 ft of fill in 4 1/2" Cement

TOH w/ Dump Bailer

RD Gray Wireline equipment



Summary Report

Major Rig Wvrk Over (MRWO)
Stimulation

Job Start Date: 8/5/2013
Job End Date: 10/31/2013

Well Name VACUUM GLORIETA WEST UNIT 007		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
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Com

TIH w/ 1230 ft Kill String Tbg & NU TIW Valve & Night Cap. Close BOP Pipe Rams & Lock.

Debrief Safety Meeting discussed the job events.

Travel Time for Rig Crew

Report Start Date: 10/4/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting discussed job procedure & hazards.

Check Well Pressure & on a vacuum.

Prep location for running casing, move Tubing & Pipe Racks & pick up thread protectors. Move in 1/2 Frac Pit for Cement Job, move in Frac Tank & load w/ 300 bbls Fresh Water for Cement Job, MIRU Laydown Machine.

Off load 92 Jts 5 1/2" UFJ Casing & put on pipe racks.

Debrief Meeting discussed the days job events

Travel Time for Rig Crew

Report Start Date: 10/7/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting, discussed job procedure & hazards. Key, Key Rvs Unit, Reeco Laydown, Key Water Transport.

TOH w/ 2 7/8" Kill String

TIH w/ Peak 7" RBP & set @ 500 ft.

Test RBP to 500 psi & held Okay. Bled off pressure.

TOH w/ 2 7/8" W>S> Tubing

ND Hydril from BOP Stack.

Dump 150# 20/40 Frac Sand on RBP & SI Well

Move laydown equipment & align w/ casing & pipe racks

Clean & drift 5 1/2 " Casing & clean all threads 7 drift casng.

Reviewed Hand Tools & how we use them, checking for damage & wear on tools. Discussed safety issues of using the right tool for the job. Reviewed being aware of our surroundings & what others are doing in the same area.

Travel Time for Rig Crew

Report Start Date: 10/8/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting, discussed job procedure & hazards.

ND BOP. Excavate wellhead bolts to be removed @ 1ft below surface.

ND 7" Wellhead

NU 5 1/2" casing hanger Assy for Casing run.

NU BOP 2 7/8" & close Blind rams & test wellhead to 500 psi & held fpor 15 min & Okay.

TIH w/ ret Head & washsnad from RBP. Latch on to RBP & release.

TOH w/ 7" RBP

ND 2 7/8 " BOP Assy.

NU 5 1/2" BOP Assy. Prestested @ D&L Meters

SI Well w/ Blind Rams

Travel Time fo Rig Crew

Report Start Date: 10/9/2013

Com

Travel Time for Rig Crew

Waiting on cement crew availability. OTC cancelled job. Did not want to start job w/o Cement Crew availability

JSA Safety Meeting, discussed job procedure & hazards.

MIRU Casing Crew & adjust laydown machine.

PU & start 5 1/2' 15.5# J-55 UFJ Casing. Make up Casing Alignment tool on 1st Joint & torque to 2400 ft/lbs to reduce the chance of stripping Aluminum threads & thread lock in place. Install 5 1/2" Float Collar w/ UFJ Threads & thread lock in place. TIH w/ 89 Jts Casing & land @ 3903 ft

JSA Safety Meeting. MIRU Basic Cement, NU Cement Head & pump lines. Test lines to 2500 psi.

Pump 10 bbls Fresh Water Spacer & start Class C Cement w/ 2% Cal Chi & 2/10% Friction Reducer & Water Loss & pump @ 4 BPM @ 300 PSI w/ 59 bbls of Cement

Drop Plug & displace w/91.8 BBLs of Frresh Water & got Cement Returns @ 82 bbls displacement. Landed Plug w/ 91.8 bbls & plug landing pressure of 2000PSI. Circulated 42 sacks of Cement back @ surface

Slacked off w/ 2k on Liner, closed Pipe Rams & locked. Opened 5 1/2" Casing Valves & flushed clean w/ Fresh Water.

RD Basic Cement Equipment.



Summary Report

Major Rig Work Over (MRWO)
Stimulation

Job Start Date: 8/5/2013
Job End Date: 10/31/2013

Well Name VACUUM GLORIETA WEST UNIT 007		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,016.00	Original RKB (ft) 4,027.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

Travel Time for Rig Crew

Report Start Date: 10/10/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting discussed job procedure & Hazards

ND 5 1/2" casing BOP. ND Well Head

ND Wellhead to set slips on 5 1/2" casing. Cut 5 1/2" Casing Off for wellhead connection. Write Hot Work Permit

Nipple up wellhead & 2 7/8" BOP 7 Hydril. Test BOP to 250 psi Low & 500 psi high & Okay

TIH Picking up w/ Bit & Drill Collar BHA & SIFN above cement. Total BHA of Bit, Bit Sub & Drill Collars 186 ft

Tagged Cement @ 3540 ft w/ 104 Jts 2 3/8" Tubing + 186 ft of BHA, which is 385 ft from Casing Alignment Tool. TOH w/ 1 jt laying down. NU TIW Valve & Night Cap & close

Travel Time for Rig Crew

Report Start Date: 10/11/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting discussed job procedure & hazards

MIRU key Power Swivel & RU Stripping Rubber

Start Drilling Out Cement @ 3540 ft @ 45 RPM @ 2 BPM @ w/ 2 to 4K WOB & Reverse Circulate w/ Fresh Water

RD Power Swivel.

TOH w/ Bit & Drill Collars

TIH w/ 3 7/8" MT Bit w/ Bit Sub & 6 - 3 1/16" Drill Collars. EOT: 250 ft

Debrief Meeting, discussed the days job events.

Travel Time for Rig Crew

Report Start Date: 10/14/2013

Com

Travel Time for Rig Crew

JSA Safety Meeting discussed job procedure & Hazards.

TIH w/ 3 7/8" Bit & tag @ 3903 ft on Casing Alignment Tool & start drilling out from

Drill Out Cement & Casing Alignment Tool @ 35 to 40 RPM @ 2 BPM @ 4 to 8K WOB.

Drilled thru Cement @ 3953 ft. Unable to get thru tight spot from 3903 ft to 3909 ft w/o rotating Bit. Continued in hole to Cement on CIBP @ 4040 ft.

TIH & drill out cement from 4040 ft to 4050 ft to CIBP & drill out partial CIBP & SD. circulated wellbore & got back some pieces of metal in returns that appeared to be casing & straps for Sub Pump bands. Sent Pictures to Jay Stockton.

TOH w/ Bit BHA & 2 3/8" Tubing. The Bit was in bad shape most of the teeth were chewed up due to tight spot in casing from 3903 ft to 3906 ft.

Close Blind Rams & Lock. Close all wellhead valves

Debrief Meeting discussed the days job events.

Travel Time for Rig Crew

Report Start Date: 10/15/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 5, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

MU 3-7/8" TAPERED MILL & TIH TO 3,903'

PU POWER SWIVEL & DRESS AREA FROM 3,903' - 3,909', TQ UP ONCE AT 3,909' BUT NO TQ AFTER, MADE SEVERAL PASSES ROTATING & SEVERAL PASSES NOT ROTATING WITH NO WT CHANGES

CIRCULATE CUTTINGS FROM WELL, SMALL AMOUNT OF ALUMINUM, A GOOD AMOUNT OF STEEL & CMT IN CUTTINGS

LD POWER SWIVEL & TOH w/ MILL (MILL FOUND TO HAVE VERY MINIMAL INDICATION FROM DREING CSG

MU 3-7/8" MT BIT & TIH, TAGGED @ 3,903' WAS ABLE TO TURN PIPE WITH WRENCH TO PASS THROUGH THIS POINT, TAGGED AGAIN @ 3,907.5' BUT WAS UNABLE TO PASS BY TURNING PIPE WITH WRENCH

TOH WITH BIT ASSY

FAN CLUTCH ON PULLING UNIT FAILED, WAIT FOR KEY TO FIX RIG

MU TAPERED MILL & TIH w/ KS, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/16/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 6, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

TIH w/ 3-7/8" TAPERED MILL, DID NOT SEE INDICATION WITH MILL AT EITHER SPOT



Summary Report

Major Rig Work Over (MRWO)
Stimulation

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Com

TOH W/ MILL ASSY

MU 3-3/4" MT BIT & TIH, TAGGED AT 3,903' & 3,907.5', WAS ABLE TO GET BIT PAST BOTH AREAS WITH SLIGHT EFFORT WITHOUT TURNING PIPE, CONFERRED W/ TOWN

TOH W/ BIT ASSY & STAND BACK COLLARS

MU MULE SHOE & TIH, TAGGED W/ SHOE @ 3,909', RIH TO 3,915'

CIRCULATE WELL WITH FRESH FLUID, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/17/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 7, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

CIRCULATE HOLE FULL OF CLEAN BRINE

RU WIRELINE & RIH WITH CAMERA, VIEWED TROUBLE AREAS & FOUND 4-1/2" LINER HANGER DAMAGED, TOLD TO SHUT DOWN BY TOWN TO PLAN FORWARD

CREW TRAVEL FROM LOCATION

Report Start Date: 10/18/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 8, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

DISPLACE BRINE W/ FW & TOH W/ TBG

MU STRING MILL ASSY (3-7/8" TAPERED MILL, 3-1/8" DC, 4-3/4" STRING MILL & 3-1/8" DC) & TIH

PU POWER SWIVEL & MILL 4-1/2" LINER HANGER & LINER TOP, MILLED 6' TOTAL, STOPPED ROTATION & CIRCULATED WELL CLEAR OF DEBRIS, LD POER SWIVEL

TOH W/ MILLING ASSY, MILL FOUND TO BE APPROX. 1/16" OUT OF GAUGE

MU & TIH W/ 3-7/8" BIT ASSY & KILL STRING, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/19/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 9, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

TIH W/ BIT ASSY, TAGGED @ 6,047' (BOTTOM PART OF BP FELL FROM SPOT @ 4,043')

PU POER SWIVEL & MILL REST OF BP AS WELL AS CLEANOUT TO 6,170', UNABLE TO MAKE ANY FOOTAGE PAST THIS POINT

CIRCULATE WELL CLEAN

LD POWER SWIVEL & TOH WITH CLEANOUT ASSY

MU PACKER & TIH TO 6,105'

SPOT SCALE CONVERTOR ACROSS PERFS

PU & SET PACKER @ 5,940', PT TO 500PSI, PT GOOD, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/21/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 1, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

RU PETROPLEX TO TBG, AWAIT ARRIVAL OF ACID

PUMP 15% ACID ACROSS PERFS @ 6,007'-6,105', AVG RATE 6BPM & 5,000PSI AVG PRESSURE, DID NOT PUMP SALT DIVERTER AS FORMATION NEVER BROKE DOWN, SECURE WELL

RD PETROPLEX, SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/22/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 2, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

CHECK WELL, 100PSI, FLOWED BACK WELL, 1BBL RECOVERED & PSI BLED OFF IN LESS THAN 5 MINUTES

UNSET & TOH WITH PACKER

RU WIRELINE, PT LUBRICATOR, RIH & CORRALATE GAMMA TO STRIP LOG (+2.5' CORRECTION), SET CBP @ 5,990', POH W/ WIRELINE



Summary Report

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Stimulation
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Com

MU PERF GUNS, RIH & PERFORATE AS PER PROCEDURE, POH W/ SPENT GUNS, ALL SHOTS FIRED, RD WIRELINE

MU PACKER & TIH WHILE HYDROTESTING WS, SET PACKER @ 5,877', PT PACKER TO 500PSI, PT GOOD, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/23/2013

Com

CREW TRAVEL TO LOCATIOPN

REVIEW JSA's REVIEW TENET 3 , HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

SPOT & RU ACID CREW ON LOCATION

PUMP 15% ACID ACROSS PERFS @ 5,953'-5,984', AVG RATE 5BPM & 3,800PSI AVG PRESSURE, 106BBLS TOTAL LOAD, WELL BALLED OUT WITH 70 BALLS ACROSS PERFS, SURGED WELL ONE TIME, ALL ACID PUMPED

RD ACID CREW

WAIT ON ACID TO SPEND

WELL HAS 300PSI, FLOWED WELL TO TANK RECOVERED 10BBLS TOTAL

RU LUBRICATOR & SWAB WELL, MADE 13 RUNS TOTAL, RECOVERED 68BBLS, AFTER 3RD RUN FL STAYED @ 1,400', RD LUBRICATOR

RELEASE PACKER & TOH, LEAVE KILLSTRING IN HOLE & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/24/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 4 , HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

TOH WITH WS & LD PACKER

MU CLEANOUT ASSY & TIH, TAG CBP @ 5,988' (TBG TALLY)

MILL UP CBP & CLEAN OUT TO PBDT

CIRCULATE WELL CLEAR

TOH WHILE LD WS, LD COLLARS

TIH W/ KS, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/25/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 5, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

WAIT ON TBG TO BE DELIVERED

OFFLOAD & TALLY TBG

TIH W/ 183 JTS OF NEW TBG

TOH STANDING BACK TBG, LEFT KS IN HOLE, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/28/2013

Com

CREW TRAVEL TO LOCATION

REVIEW JSA's REVIEW TENET 8, HAZ WHEEL, REVIEW ECOLORS OF THE DAY, CHECK & CALIPER ELV & TONGS FOR CORRECT SIZE AND LOG, DISCUSS THE DAYS OPERATIONS

WAIT ON CENRTLIFT, CENTRILIFT EQUIPMENT NOT READY, WILL NOT ARRIVE UNTIL TOMORROW, SECURE WELL & SDFN

CREW TRAVEL FROM LOCATION

Report Start Date: 10/29/2013

Com

Centrilift did not have Sub pump Ready.

Report Start Date: 10/30/2013

Com

CREW TRAVEL TO LOCATION.

PJSM, JSA

P/U AND RIH WITH 4.1' SENSOR, 20.57' MOTOR, 9' SEAL, 4.22' GAS SEPERATOR INTAKE, 2- 11.78' PUMPS, 1-10.80 PUMP, 1- 1' CHECK, 1- 1' DRAIN, 2- 4' SUBS.

RIH WITH 185 JTS, 5861.24' OF 2 3/8" 4.7# J-55 PRODUCTION TUBING. LAND MOTOR @5955'

N/D BOP, N/U WELL HEAD. SHUT IN WELL, SDON.

CREW TRAVEL FROM LOCATION.

Report Start Date: 10/31/2013



Summary Report

Major Rig Work Over (MRWO)
Stimulation

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Com

CREW TRAVEL TO LOCATION.

PJSM, JSA.

R/D PULLING UNIT, MOVE OFF LOCATION.

---FINAL REPORT---