

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM86150

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: INJECTION2. Name of Operator
OXY USA INC.Contact: DAVID STEWART
E-Mail: david_stewart@oxy.com

3a. Address

P.O. BOX 50250
MIDLAND, TX 79710

3b. Phone No. (include area code)

Ph: 432-685-5717
Fx: 432-685-5742

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 35 T22S R32E NWSW 2310FSL 990FWL
32.347225 N Lat, 103.650818 W Lon8. Well Name and No.
RED TANK 35 FEDERAL 39. API Well No.
30-025-3314910. Field and Pool, or Exploratory
SWD DELAWARE11. County or Parish, and State
LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Work on injection from 8/8/15 to 10/27/15. Isolated csg leak @ 1450-1465', cement squeezed w/ a total of 480sx cement. Replaced tubing and packer, set @ 4820', run MIT, test to 560#, witnessed and passed.

See attached for the detailed daily reports, MIT charts and WBD.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #324301 verified by the BLM Well Information System
For OXY USA INC., sent to the Hobbs**

Name (Printed/Typed) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature

(Electronic Submission)

Date 11/20/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ******FOR RECORD ONLY****DEC 03 2015**

BS 12/3/15

- 8/8/15 TP- 750 CP- 0 PSI SPOTTED IN FRAC TANKS BLED DOWN TBG TO TANK MONITERED PRES BLEED DOWN WENT FROM 750 TO 650 IN 10 MINS THEN FROM 650 TO 550 IN 20 MINS THEN FROM 550 PSI TO 460 IN 10 MINS THEN FROM 460 TO 380 IN 20 MINS TOTAL TIME 1 HR MADE ABOUT 80 BBLS STARTED PUMPING BRINE WATER DOWN TBG IPP- 500 PUMPED 60 BBLS AND WELL CHARGED UP EPP WAS 1000 ISIP 980 PSI WATCHED FOR AWHILE BLED DOWN TO 900 DECIDED WELL NEED 14.6 PPG MUD TO KILL WELL
- 8/9/15 TP-650 PSI CP-0 PSI WORKED ON WH BOLTS WHILE WAITED ON RENAGADE WL RIGGED UP WL RIH RAN A GUAGE RUN POOH RIH SHOT 12 HOLES @ 4780' RIGGED DOWN WL PUMPED 30 BBLS BRINE DOWN CSG FOLLOWED BY 60 BBLS 15# MUD THEN PUMPED 15 BBLS BRINE DOWN TBG FOLLOWED BY 23.4 BBLS MUD TO KILL WELL KILLED WELL NIPPLED DOWN WH FUCNTION TESTED BOP NIPPLED UP BOP RIGGED UP FLOOR AND TONGS HAD TROUBLE UNSETTING PKR FINALLY WORKED IT FREE FOUND OUT TBG WAS DUOLINE AND NOT IPC TBG LIKE WELLPLAN STATED DID NOT HAVE THREAD PROTECTORS ON LOCATION TO INSTALL BEFORE STANDING BACK ALSO NEEDED TO SET UP DUOLINE TECH WHEN WE RERUN BACK IN CIRCULATED MUD OUT FROM TOP OF PKR
- 8/11/15 TP- 0 PSI CP- 0 PSI POOH LAID DOWN 148 JTS OF 2 7/8" DOULINE TBG ON PIPE RACKS FORKILFT MOVED DOULINE OFF RACKS AND MOVED IN NEW TK-99 JTS REMOVED THREAD PROTECTORS AND TALLED TBG PICKED UP NEW 5.5" ARROWSET NICKEL PLATED 10K PKR RIH PICKING UP TBG PICKED UP TOTAL OF 148- JTS L80 TK 99 SPACED OUT AND SET END OF PKR @ 4825' AND ELEMENTS AROUND 4823' UNLATCHED OFF OF PKR PUMPED 10 BBLS BRINE DOWN CSG FOLLOWED BY 110 BBLS PKR FLUID CICALATED MUD OUT OF CSG RECOVERED 60 BBLS MUD AND LEFT CSG FULL OF PKR FLUID LATCHED BACK ONTO PKR RIGGED DOWN TONGS WORK FLOOR AND NIPPLED DOWN BOP NIPPLED UP WH DOUBLE CHECKED PKR AND HAD 14K COMPRESSION ON IT FLANGED UP WH CONNECTED FLOWLINE PUMPED TBG UP TO 500 PSI HELD THERE PRES UP ON CSG TO 600 PSI LOST 55 POUNDS IN 30 MINS WAS SLOWING DOWN OVER TIME THINK MAY HAVE AIR PRESENT STILL
- 8/12/15 TP- 0 PSI CP- 0 PSI PRES UP TBG TO 1000 PSI AND PRES UP ON CSG TO 500 PSI LOST 50 PSI IN 2 MINS PRES UP TO 500 PSI AGAIN AND LOST 30 PSI IN 6 MINS, PRES UP AGAIN AND LOST 60 PSI IN 17 MINS PUMPED PUMP OUT PLUG ON PKR 3000 PSI THEN AFTER PUMP OFF TBG PSI 950 PRES UP CSG AGAIN TO 500 PSI LOST 20 PSI IN 7 MINS PRES UP AGAIN TO 500 LOST 30 PSI IN 10 MINS WATCHED IT TO SEE IF WOULD STABALIZE STILL KEPT DROPPING SLOW MADE SOME CALLS DECISION MADE TO REPULL WELL AND RIH WITH PLUG AND PKR HUNTING FOR HOLE COLD CALLED RENAGADE WL TO COME SHOOT HOLES IN TBG TO PLACE MUD ONTOP OF PKR AND KILL TBG . WAITED ON RENAGADE WL SHOWED UP RIGGED UP WL RIH SHOT 12 HOLES IN TBG AT 4760' POOH RIGGED DOWN WL
- 8/13/15 TP- 850 PSI CP- 650 PSI CONDITIONED MUD PUMPED 53 BBLS MUD DOWN CSG AND 20 BBLS DOWN TBG KILLED WELL NIPPLED DOWN WH FUNCTION TEST BOP NIPPLED UP BOP RIGGED UP FLOOR AND TONGS UNSET PKR POOH 148 JTS TK-99 STOOD BACK LAID DOWN 5.5" ARROWSET PKR TALLED 2.875" WORKSTRING PICKED UP 5.5" RBP AND PKR RIH PICKING UP WORKSTRING RAN 149 JTS SET RBP @ 4827' UNLATCHED OFF PLUG AND CIRCULATED 53 BBLS MUD OUT WITH 120 BBLS BRINE WATER
- 8/14/15 TP- 0 PSI CP- 0 PSI SET PKR AT 4799' PRES TESTED RPB @ 4827' AND PKR 700 PSI AND HELD GOOD PRES TESTED ABOVE PKR 600 PSI AND LEAKED OFF RELEASED PKR POOH 56 JTS SET PKR AT 2990' PRES TESTED BELOW PKR TO 700 PSI HELD GOOD TESTED ABOVE PKR TO 650 PSI AND LEAKED OFF LAID DOWN 1 JT SET PKR @ 2977' TESTED BELOW PKR 700 PSI HELD GOOD TESTED ABOVE PKR LEAKED OFF MOVED PKR UP 2' AND TESTED BELOW PKR AGAIN 700 PSI HELD GOOD TESTED ABOVE PKR IT LEAKED OFF UNSET PKR AND MOVED UP HOLE SET @ 2562' TESTED BELOW PKR 700 PSI HELD GOOD TESTED ABOVE PKR 700 PSI AND IT LEAKED OFF UNSET PKR POOH WITH 39 JTS AND LAID DOWN PKR GOT A TENSION PKR BROUGHT OUT THINK MOVED UP HOLE AND TO LIGHT TO TEST WITH COMPRESSION PKR PICKED UP 5.5" TENSION PKR RIH SET PKR @ 1013' TESTED ABOVE PKR 700 PSI HELD GOOD BELOW BACKER 700 PSI LEAKED OFF RIH SET PKR @ 1627" TESTED ABOVE PKR LEAKED OFF TESTED BTM PKR HELD 700 PSI GOOD MOVED PKR AGAIN TO 1303 TOP OF PKR TEST HELD GOOD 700 PSI NO LEAK OFF TESTED BELOW PKR LEAKED OFF RIH SET PKR @ 1432' TESTED ABOVE PKR 700 PSI HELD GOOD BELOW PKR LEAKED OFF RIH SET PKR @ 1497' TESTED ABOVE PKR 700 PSI IT LEAKED OFF, BTM PKR HELD GOOD PULLED PKR UP TO 1465' TESTED ABOVE THE PKR TO 700 PSI AND LEAKED OFF BTM PKR HELD GOOD PULLED UP 15' AND SET PKR AT 1450' TESTED TOP OF PKR AND IT HELD 700 PSI GOOD TESTED BELOW PKR AND IT BLED DOWN ISOLATED TIGHT HOLE FROM 1450'- 1465' LEAKED OFF FROM 700 PSI IN 2 MINS LOST 50 PSI IN 9 MINS LOST 100 PSI TO TIGHT TO TRY AND GET INJECTION RATE UNSET PKR
- 8/18/15 TP-0 PSI CP- 0 PSI POOH WITH 5.5" TENSION PKR AND LAID DOWN PICKED UP 5.5" RBP RIH AND SET @ 1466' UNLATCHED OFF OF RBP POOH LAID DOWN RETIREVING HEAD PICKED UP 5.5" TENSION PKR RIH AND SET @ 1450' PUMPED WATER TO GET AN INJECTION RATE ESTABLISHED INJECTION RATE OF 1 BBL A MIN @ 1050 PSI PUMPED 20 BBLS SHUT PUMP OFF PRES WENT DOWN TO 500 AND LEAKED OFF FROM THERE SLOWLY WAITED ON PETROPLEX ACID TO PUMP 6 BBLS ACID DOWN TO TRY OPEN UP A BIT PETRO PLEX SHOWED UP RIGGED UP AND HAD A SAFETY MEETING WITH ALL PERSONEL ON LOCATION STARTED PUMPING WITH 3 BBLS FW INJECTION RATE 1 BBL/MIN 1050 PSI STARTED PUMPING 250 GALLONS OF 15% HCL ACID WHEN ACID HIT FORMATION OPENED UP FLUSHED WITH 20 BBLS FW INJECTION RATE WENT UP TO 4.1 BBL/MIN @ 800 PSI AND STAYED THERE DURING OUR FLUSH KICKED PUMP OUT AND ISIP 600 PSI AND DROPPED SLOWLY FROM THERE
- 8/19/15 TP-100 PSI CP- 0 PSI CIRCULATED WELL WITH 30 BBLS BRINE WATER TOPUT BACK IN BALANCE BECAUSE TBG KEPT FLOWING BACK DUE TO FREASHWATER ACID JOB POOH WITH PKR LAID DOWN PKR PICKED UP RETREVING HEAD AND RIH LATCHED ON TO PLUG MOVED DOWN HOLE SET AND DROPPED SAND ONTOP OF SAND 3 SACKS FLUSHED TBG 5 BBLS POOH WITH RETRIVING HEAD PICKED UP PKR AND RIH TO 1290/ LEFT HANGING IN WELL

BS 12/3/15

- 8/20/15 TP-0 PSI CP-0 PSI RIGGED UP PETROPLEX CEMENT CREW WAITED ON NABORS WATER TRANSPORT TRUCK SHOWED UP HELD SAFETY MEETING WITH ALL ON LOCATION PUMPED 35 BBLs FW CIRCULATED OUT BRINE WATER SET PKR @ 1200' PUMPED 5 BBL SPACER THEN STARTED CEMENT 150 SACKS 35.2 BBLs STARTING PSI WAS 390 WHEN CEMENT HIT FORMATION WENT TO 520 PSI WASHED UP LINES AND THEN DISPLACED CEMENT 8.8 BBLs CHECKED WELL PSI AND IT STARTED GIVING BACK FROM .5 BBL/MIN TO 2 BBL/MIN QUICK DECIDED TO NO HESITATE SQUEEZE UNSET PKR POOH 10 STAND CIRCULATED CLEAN AND SET PKR THEN APPLIED 650 PSI TO TBG
- 8/21/15 WELL HAD 0 PSI ON THE TBG AND CSG. OPENED WELL TO THE REVERSE PIT. TRIED TO RELEASE PKR COULD NOT TURN PIPE WITH PIPE WRENCHES TRIED TO MOVE PIPE UP AND DOWN WITH NO MOVEMENT. TRIED TO ROTATE TBG WITH TBG TONGS WITH NO MOVEMENT AT ALL. MADE A COLD CALL FOR WIRE LINE. WAITED ON LOCATION FOR RENEGADE TO ARRIVE ON LOCATION. RIGGED UP RENEGADE WIRE LINE TRUCK. RAN IN THE HOLE WITH FREE POINT TOOLS TAGGED UP AT 484' PULLED TOOLS UP HOLE TO 458' AND STARTED FREE POINT. TBG WAS 100% FREE AT THIS POINT PULLED OUT OF THE HOLE WITH TOOLS AND PICKED UP CHEMICAL CUTTTER. RAN IN THE HOLE AND CUT TBG AT 440'. PULLED OUT OF THE HOLE WITH TBG
- 8/22/15 WELL HAD 0 PSI ON THE TBG AND CSG. OPENED WELL TO THE REVERSE PIT. PICKED UP 4 3/4" SHOE, 2 JOINTS OF 4 1/2" WASH PIPE, AND SIX 3 1/2" DRILL COLLARS RAN IN THE HOLE AND TAGGED TOP OF FISH AT 453' TAGGED CEMENT AT 467'. RIGGED UP STRIPPER HEAD AND POWER SWIVEL. CIRCULATED WELL AND WASHED OVER 21' OF CEMENT ONTO TOP OF PKR AT 488'. WASHED OVER PKR AND MADE 6" IN THREE HOURS. COULD NOT MAKE ANY MORE HOLE. PULLED TOOLS UP ABOVE FISH
- 8/23/15 WELL HAD 0 PSI ON THE TBG AND THE CSG. OPENED WELL TO THE REVERSE PIT. PULLED OUT OF THE WELL WITH TBG AND CHANGED OUT SHOE RAN BACK IN THE HOLE AND TAGGED UP AT 488' FROM SURFACE. PICKED UP POWER SWIVEL AND STARTED TO ROTATE TOOLS WHILE CIRCULATING WITH FRESH WATER. WASHED OVER PKR DOWN TO 490' PULLED TOOLS ABOVE FISH AND CIRCULATED CLEAN.
- 8/24/15 TP-0 PSI CP-0 PSI POOH WITH SHOE AND REPLACED WITH NEW ONE RIH WITH NEW 4 3/4" SHOE, WASH PIPE, DRILL COLLERS AND PIPE TAGGED FISH TOP @ 453' RIH TO TOP OF PKR TAGGED PKR @ 490' RIGGED UP POWER SWIVEL STARTED MILLING ON PKR HIT SLIPS ONLY MADE 1" ALL DAY HARD SLIPS RIGGED DOWN POWER SWIVEL POOH WITH ALL PIPE
- 8/25/15 TP-0 PSI CP-0 PSI PICKED UP NEW 4 3/4" SHOE WITH INSERTS FACING OPPOSITE WAY RIH 2-4.5" WASH OVER PIPE JTS, 6-3.5" DRILL COLLERS, 8 JTS 2 7/8" TAGGED FISH TOP @ 453' WASHED OVER TO PKR 490' RIGGED UP POWER SWIVEL STARTED MILLING ON PKR SLIPS WORKED THROUGH SLIPS AND PKR FELL ABOUT 5.5' WENT DOWN TAGGED IT AND MILLED SOME MORE BUT SEEMED TO BE SPINNING POOH AND PKR SEEMED TO BE STUCK IN SHOW BECAUSE WOULD NOT MOVE UP FINALLY CAME FREE POOH SHOE WAS EMPTY BUT HAD MARKINGS WERE PKR HAD BEEN IN THERE A WHILE, DECIDED TO RIH WITH OVERSHOT AND JARS PICKED UP 4 11/16" OVERSHOT WITH 2 7/8" BODY GRAPPLE, BUMPER SUB, JARS, 6-3.5" DRILL COLLERS, INTENSIFIERS AND 8 JTS 2 7/8" PIPE LATCHED ONTO FISH @ 441' JARS WOULD NOT SET OFF LOADED UP BUT WOULD NOT SET OFF TRIED TO UNLATCH OFF FISH COULD NOT UNLATCH PKR MANDRELL SPINNING WITH GRAPPLE WORKED ON TRYING TO GET FREE JARS STARTED WORKING AND STARTED JARRING PKR STARTED MOVING JARRED UP 40' THEN WOULD NOT MOVE RIGGED UP POWER SWIVEL AND TRIED TO WORK IT CAME LOOSE PULLED UP AND DRAGGED UP THEN AT TIMES JARRED GOT 180' OUT ALL TOGETHER 220' OUT
- 8/26/15 TP-0 PSI CP-0 PSI STARTED JARRING ON PKR CAME FREE PULLED OUT DRILL COLLERS PKR HUNG UP AGAIN HAD TO WORK FREE CAME FREE LAID DOWN OVERSHOT AND JT WITH PKR ON THE BOTTOM MISSING 2 SLIP SEGMENTS OFF PKR RIH WITH 4 3/4" SHOE AND DRILL COLLERS TAGGED CEMENT TOP DRILLED DOWN 4.5' CORED CEMENT OUT POOH PIPE AND DC BROKE SHOE AND CLEANED IT OUT HAD RUBBERS AND 2 SLIP SEGMENTS THAT WERE MISSING PICKED UP 4 3/4" BIT AND BIT SUB, 6-3.5" DRILL COLLERS AND 9 JTS TAGGED CEMENT @ 500' RIGGED UP POWER SWIVEL STARTED DRILLING AND CIRCULATING CEMENT OUT GOT DOWN TO 620' CIRCULATED CLEAN PULLED UP 1 JT
- 8/27/15 TP-0 PSI CP-0 PSI PICKED UP JT AND ESTABLISHED CIRCULATION STARTED DRILLING OUT CEMENT PICKED UP TOTAL OF 13 JTS TODAY DRILLED OUT 416' GOT BIT DOWN TO 1045' CIRCULATED WELL CLEAN LAID DOWN 2 JTS
- 8/28/15 TP-0 PSI CP-0 PSI LAID DOWN 20 JTS AND RIH WITH 11 STANDS FROM DERRICK RIGGED UP POWER SWIVEL AND ESTABLISHED CIRCULATION STARTED DRILLING CEMENT AT 1045' DOWN TO 1482' AND FROM THERE IT STARTED FALLING FREE AT SPOTS CIRCULATED WELL CLEAN CLOSED PIPE RAMS AND TRED TO GET A PRES TEST ON CSG WENT UP TO 500 PSI AND LEAKED OFF QUICK WELL ON SLIGHT VACCUM. POOH WITH PIPE, DRILL COLLERS, AND BIT. RIH WITH AN INJECTION PKR SET PKR @ 1406' PRES TESTED ABOVE PKR TO SURFACE JUST TO MAKE SURE CSG ON TOP STILL IN GOOD CONDITION WITH ALL THE PAST JARRING WE HAD DONE PRES UP TO 500 PSI AND HELD GOOD NO LEAK OFF STARTED PUMPING DOWN TBG TO GET AN INJECTION RATE GOT RATE OF 2 BBLs A MINUTE AT 700 PSI UNSET PKR POOH WITH 43 JTS AND PKR LAID PKR DOWN HAD LIGHTING AND RAIN MOVE IN SHUT DOWN DUE TO BAD WEATHER
- 8/31/15 CP-0 PSI PICKED UP 5.5" CEMENT RETAINER RIH WITH 43 JTS PETRO PLEX CEMENTERS HELD SAFETY MEETING CIRCULATED 35 BBLs FW TO CLEAN UP WELLBORE SET RETAINER @ 1404' PRES TESTED CSG AND RETAINER TO 500 PSI HELD GOOD NO LEAK OFF LEFT PRES ON IT STARTED PUMPING DOWN TBG 5 BBLs FW ESTABLISHED INJECTION RATE 2.1 BBLs A MIN 700 PSI STARTED GOING DOWN HOLE WITH CEMENT PUMPED 28 BBLs CEMENT LEFT 7 BBLs IN TBG SHUT IN 400 PSI WASHED UP LINES TO PIT OPENED TBG SLIGHTLY HOLDING PSI DISPLACED 1.5 BBLs WAITED 15 MINS PUMPED ANOTHER BBL WAITED 15 MINS STILL NOT SQUEEZING RIGHT PUMPED ANOTHER 2 BBLs AND WAITED 15 MINS PUMPED ANOTHER 2.5 BBLs WAITED 15 MINS THEN PUMPED .5 BBL AND WAITED 30 MINS PUMPED 1/4" BBL AND SQUEEZED TO 1200 PSI STUNG OUT OF RETAINER PICKED UP AND REVERSE CIRCULATED WITH 45 BBLs CLEANED UP LAID DOWN 1 JT AND POOH WITH 42 JTS TO DERRICK RD PETROPLEX

B8 12/3/15

- 9/1/15 CP-0 PSI PICKED 4 3/4" BIT AND RIH WITH 8-3.5" DRILL COLLERS AND 36 - 2 7/8" N80 BARE JTS RIGGED UP POWER SWIVEL AND TAGGED CEMENT ON TOP OF RETAINER @ 1401' STARTED DRILLING CEMENT ON TOP OF RETAINER DRILLED OUT RETAINER AND STOPPED @ 1410' CEMENT BELOW RETAINER STILL A LITTLE GREEN CIRCULATED WELL CLEAN SECURED WELL AND RIG SHUT DOWN LET REST OF CEMENT DRY MORE OVERNIGHT BEFORE DRILLING DOWN PAST WERE SUSPECTED HOLE @ 1450'-1465'
- 9/2/15 TP-0 PSI CP-0 PSI TAGGED CEMENT TOP 1410' BROKE CIRCULATION STARTED DRILLING CEMENT GOT DRILLED DOWN TO 1460' AND PIPE STARTED FALLING AFTER THAT NO MORE CEMENT GOT DOWN TO 1475' CIRCULATED WELL CLEAN CLOSED PIPE RAMS TRIED TO GET PRES TEST PRES UP TO 560 PSI DROPPED TO 520 IN 20 MINS WATCHED IT FOR A BIT DROPPED DOWN TO 490 PSI BLED DOWN POOH WITH 38 JTS- 2 7/8" AND 8- 1.5" DRILL COLLERS BIT SUB AND 4 3/4" BIT PICKED UP 5.5" PKR RIH AND SET @ 1439' PRES TESTED FROM 1439' TO SURFACE 500 PSI HELD GOOD ABOVE PKR THEN PUMPED DOWN TBG TESTED TO 600 LEAKED OFF 50 PSI IN 7 MINS PRES UP TO 600 PSI LEAKED OFF 50 PSI IN 15 MINS PRES UP AGAIN THINKING HAVE AIR IN WELL VARIOUS TIMES ON THE LAST TEST WENT TO 500 PSI AND WAQTCHEW WELL FOR 30 MINS LOST 75 PSI SECURED WELL AND RIG SHUT DOWN FORECAST 9-3-15
- 9/3/15 TP-0 PSI CP-0 PSI UNSET PKR POOH WITH PKR LAID DOWN RIH OPENED ENDED SET END OF TBG @ 1475' WAITED ON PETROPLEX CEMENT CREW TO SHOW UP RIGGED UP CEMENT CREW CIRCULATED OUT BRINE WATER WITH FW 60 BBLS STARTED PUMPING CEMENT BALANCED PLUG OF 10 SACKS TYPE C CEMENT WITH 2% CALCIUM 20' BELOW HOLE 80' ABOVE HOLE TOTAL OF 100' POOH SLOW FIRST 3 STANDS TO LET FALL POOH ALL TBG SHUT BLIND RAMS AND LOCKE, PUT 1000 PSI ON CSG
- 9/4/15 WELL HAD 120 PSI ON THE TBG AND THE CSG. BLED PRES OFF TO THE REVERSE PIT. PICKED UP BIT 8 DRILL COLLARS AND RAN IN WITH 33 JOINTS OF TBG TAGGED UP AT 1309' PICKED UP POWER SWIVEL ROTATED TOOLS DOWN TO 1324' HAD GREEN CEMENT IN OUR RETURNS. PULLED UP ONE JOINT
- 9/5/15 WELL HAD 0 PSI ON THE TBG AND THE CSG. OPENED THE WELL TO THE REVERSE PIT. PICKED UP POWER SWIVEL, BROKE CIRCULATION AND STARTED DRILLING THROUGH CEMENT DRILLED ABOUT 10 FEET. CEMENT IN RETURNS LOOKED SOFT CEMENT HAD NOT SET UP YET. LAID DOWN POWER SWIVEL AND PULLED ABOVE CEMENT
- 9/8/15 WELL HAD 0 PSI ON THE TBG AND THE CSG. OPENED WELL TO THE REVERSE PIT TAGGED UP ON CEMENT AT 1334' STARTED DRILLING CEMENT FELL THROUGH AT 1468' CIRCULATED WELL CLEAN. PRES TESTED CSG TO 500 PSI PRES DROPPED 60 PSI IN 20 MIN. TESTED CSG AGAIN TO 500 PSI WITH THE SAME RESULT. PICKED UP A PKR RAN IN THE HOLE WITH 46 JOINTS AND SET PKR AT 1503' TO TEST PLUG. PRES TESTED TO 500 PSI AND HELD FOR 30 MIN. RELEASED PKR AND MOVED UPHOLE AND SET AT 1430'. PRES TESTED CSG TO 500 PSI AND LOST 60 PSI IN 30 MIN. PULLED OUT OF THE HOLE WITH PKR. ND BOP AND NU NEW BOP
- 9/9/15 WELL HAD 0 PSI ON THE TBG AND THE CSG. RAN IN THE HOLE WITH SEAT NIPPLE AND 45 JOINTS OF TBG. WAITED ON BASIC WATER TRUCKS TO ARRIVE ON LOCATION TRUCKS WERE RUNNING LATE DUE TO SAFETY MEETING. RIGGED UP WATER TRUCKS AND PETROPLEX TRUCK BROKE DOWN. WAITED ON LOCATION FOR MECHANICS TO MAKE REPAIRS TO TRUCK. TESTED LINES TO 1500 PSI CIRCULATED 60 BBLS OF FRESH WATER. PUMPED 2.3 BBLS OF CLASS C CEMENT WITH 2% CALCIUM. DISPLACED TBG WITH 7.9 BBLS OF FRESH WATER. PULLED OUT OF THE HOLE WITH 45 JOINTS OF TBG. PRES UP ON CSG WITH 1000 PSI.
- 9/11/15 CP- 70 PSI BLED DOWN TO REVERSE PIT PICKED UP 4 3/4" BIT AND BIT SUB AND 8- 3.5" DRILL COLLERS AND 40 JTS 2 7/8" WORKSTRING TBG DID NOT TAG ANY CEMENT GOT TO 15066' PRES UP TO 500 PSI AND LEAKED OFF 150 PSI IN 30 MINS BLED IT DOWN WORKED BACK UP STILL LEAKED OFF RIH TAGGED SAND TOP @ 1906' POOH WITH TBG AND DRILL COLLERS AND BIT, PICKED UP 5.5" INJECTION PKR RIH SET PKR @ 1503' TESTED BELOW PKR TO RBP 500 PSI HELD FOR 15 MINS NO LEAK OFF UNSET PKR PULLED UP AND RESET @ 1438' PRES TESTED ABOVE PKR TO SURFACE 500 PSI HELD GOOD FOR 15 MINS NO LEAK OFF TESTED BELOW PKR TO 525 PSI LOST 75 PSI IN 14 MINS BLED DOWN AND TRIED A COUPLE MORE TIMES STILL LEAKING OFF ESTABLISHED AN INJECTION RATE OF 1 BBL/MIN 1200 PSI UNSET PKR ADDED 2 SXS OF SAND 100 POUNDS ON TOP OF RBP DOWN TBG FLUSHED WITH 4 BBLS WATER COLD CALL PETROPLEX TO BRING US OUT 250 GALLONS ACID SET PKR @ 1438" PUMPED 3 BBLS FW THEN FOLLOWED WITH 6 BBLS 15% HCL AND FLUSHED TBG WITH 20 BBLS FW WHEN ACID HIT FORMATION INJECTION RATE OF 900 PSI AT 3.3 BBLS/ MIN FLUSHED WITH 20 BBLS FW SITP AFTER ACID JOB WAS 782 RIGGED DOWN ACID CREW LET ACID SPEND OVER NIGHT
- 9/12/15 TP-0 PSI CP-0 PSI POOH WITH 44 JTS 2 7/8" TBG AND LAID DOWN 5.5" PKR PICKED UP 5.5" CEMENT RETAINER RIH 43 JTS RIGGED UP PETROPLEX CEMENT CREW CIRCULATED 40 BBLS FW TO CLEAN WELLBORE UP SET RETAINER @ 1404' PRES UP BACKSIDE TO 500 PSI HELD GOOD TESTED LINES TO 2000 PSI HELD GOOD STARTED PUMPING DOWN TBG 5 BBLS FW HEADER THEN STARTED CEMENT 2 BBLS A MIN @ 400 PSI 47 BBLS TYPE C CEMENT WITH 2% CALCIUM, LEFT 7 BBLS IN TBG CEMENT CREW CLEANED UP THERE LINES DISPLACED AND HESITATION AS FOLLOWS 2-BBL CEMENT DISPLACED WAITED 15 MINS 600 PSI THEN 1-BBL CEMENT DISPLACED WAITED ANOTHER 15 MINS 400 PSI 1-BBL CEMENT DISPLACED WAITED ANOTHER 30 MINS 400 PSI 1 1/4-BBL CEMENT DISPLACED WAITED 15 MINS 450 PSI 1-BBL CEMENT DISPLACED WAITED 30 MINS 450 PSI 1-BBL CEMENT DISPLACED STUNG OUT OF RETAINER 600PSI REVERSE CIRCULATED WELL 41 BBLS FW
- 9/14/15 CP-0 PSI PICKED UP 4 3/4" BIT, BIT SUB, 8-3.5" DRILL COLLERS, AND 2 7/8 TBG TAGGED CEMENT TOP @ 1403' RIGGED UP POWER SWIVEL AND STARTED DRILLING HIT CEMENT RETAINER @ 1404' DRILL IT OUT CONTINUED DRILLING OUT CEMENT BROKE THROUGH CEMENT @ 1480' WENT DOWN TO 1545' CIRCULATED WELL CLEAN CLOSED RAMS AND ATTEMPTED TO PRES TEST PRES UP TO 600 PSI AND WOULD DROP DOWN 100 PSI IN SECONDS THEN WOULD TAKE 8 MINS TO DROP FROM 500 PSI TO 400 PSI DID IT A FEW TIMES WITH SAME RESULTS

BS 12/3/15

9/15/15 TP- 0 PSI CP- 0 PSI POOH WITH TBG AND DRILL COLLERS AND BIT LAID DOWN 4 3/4" BIT PICKED UP 5.5" INJECTION PKR RIH 42 JTS 2 7/8 TBG SET PPKR @ 1372' RIGGED UP PETROPLEX DID INJECTION RATE CHECK 1.3 BBLs/ MIN @ 1300 PSI PUMPED 10BBLs FW UNSET PKR RIH WITH 4 MORE JTS LEFT PKR HANGING @ 1504' CIRCULATED BRINE WATER OUT AND LEFT FW IN HOLE 40 BBLs POOH WITH PKR LAID DOWN PKR PICKED UP 5.5" CI CEMENT RETAINER 42 JTS PERTOPLEX PUMPED 10 BBLs FW TO MAKE SURE TBG AND RETAINER CLEAR SET RETAINER @ 1372' STARTED PUMPING CEMENT PUMPED 200 SACKS TYPE C CEMENT WITH 4 % CALCIUM NEVER CAUGHT PRES PUMPED ANOTHER 200 SACKS TYPE C CEMENT @ 2% CALCIUM LEFT 7 BBLs IN TBG DISPLACED 2 BBLs WITH FW AND WASHED UP LINES WAITED 15 MINS AFTER 15 MINS DISPLACED 1 BBL PRES UP TO 750 PSI HESITATED SQUEEZE WAITED 30 MINS DISPLACED ANOTHER 1/2 BBL SQUEEZED AT 1800 PSI STUNG OUT OF RETAINER

9/17/15 CP- 0 PSI PICKED UP 4 3/4" BIT, BIT SUB , 8- 3.5" DRILL COLLERS AND 2 7/8" TBG HIT CEMENT TOP @ 1362' RIGGED UP POWER SWIVEL ESTABLISHED CIRCULATION STARTED DRILLING CEMENT HIT RETAINER @ 1372' DRILLED THROUGH RETAINER AND CEMENT FELL THROUGH CEMENT @ 1482' HAD ABOUT 100' OF CEMENT IN CSG EQUAL TO ABOUT 1.9 BBLs SO WE GOT ABOUT 94 BBLs BEHIND CSG OF CEMENT. CIRCULATED WELL CLEAN RIGGED DOWN POWER SWIVEL ATTEMPTED TO PRES TEST WOULD NOT HOLD LEAKED OFF LOST 100 PSI IN 3 MINS PRES UP TO 640 AND BLEED DOWN TO 540 IN 3 MINS ATTEMPTED VARIOUS TIMES TO GET TO HOLD WITH SAME RESULTS

9/18/15 WELL HAD 0 PSI ON THE TBG AND CSG. PULLED OUT OF THE HOLE TBG LAID DOWN DRILL COLLARS AND BIT. RAN IN THE HOLE WITH 5- 1/2" PKR RAN IN THE HOLE AND SET AT 1504'. PRES TESTED BELOW THE PKR TO 500 PSI AND LOST 45 PSI ON 15 MIN. TESTED ABOVE THE PKR TO 500 PSI LOST 20 PSI 20 MIN. RAN IN THE HOLE WITH 11 JOINTS AND SET PKR AT 1860' PRES TESTED BELOW PKR TO 500 PSI. LOST 20 PSI IN 20 MIN. PRES TESTED ABOVE THE PKR TO 500 PSI AND LOST 20 PSI IN 20 MIN. PULLED OUT OF THE HOLE AND LAID DOWN PKR. PICKED UP NEW PKR RAN IN THE HOLE AND SET AT 1860' PRES TESTED BELOW THE PKR TO 500 PSI LOST 20 PSI IN 15 MIN. PRES TESTED ABOVE THE PKR TO 500 PSI AND LOST 40 PSI IN 15 MIN. PULLED PKR UP HOLE AND SET AT 1439' PRES TESTED ABOVE THE PKR TO 500 PSI AND HELD STEADY FOR 20 MIN. RELEASED PKR PULLED OUT OF THE HOLE.

9/19/15 WELL HAD 0 PSI ON THE TBG AND THE CSG. OPENED UP WELL TO THE REVERSE PIT. PICKED UP SEAT NIPPLE AND RAN IN THE HOLE WITH 46 JTS AND A SET THE END OF THE TBG AT 1504'. RIDDED UP BASIC CEMENT TRUCKS AND TESTED LINES TO 2000 PSI. CIRCULATED THE WELL WITH 60 BBLs OF FRESH WATER. MIXED UP 10 SACKS OF CLAS C CEMENT WITH 2% CALCIUM PUMPED BALANCED PLUG IN THE WELL. PULLED TBG OUT OF THE WELL. CLOSED B.O.P AND PRES CSG TO 1000 PSI.

9/21/15 CP-0PSI PICKED UP 4 3/4" BIT , BIT SUB AND RIH 8- 3.5" DRILL COLLERS , 36 JTS 2 7/8" TAGGED CEMENT TOP @ 1417' RIGGED UP POWER SWIVEL BROKE CIRCULATION STARTED DRILL OUT CEMENT DRILLED DOWN TO 1477' STOPPED THERE TO PRES TEST PRES UP TO 500 PSI LEAKED OFF 50 PSI IN 13 MINS POOH WITH TBG AND DRILL COLERS AND BIT PICKED UP PKR RIH SET PKR @ 1405' 43- JTS PRES TESTED BELOW PKR 580 PSI LOST 50 PSI IN 13 MINS ATTEMPTED A FEW MORE TIMES WITH SAME RESULTS

9/22/15 UNSET PKR POOH WITH TBG AND PKR LAID DOWN PKR RIH OPEN ENDED WITH 35 JTS 2 7/8" AND 8' SUB SET END OF TBG @ 1467' RIGGED UP BASIC CEMENT CREW CIRCULATED 60 BBLs FW SPOTTED 100' OF TYPE C CEMENT 16 PPG 2.36 BBLs DOWN TBG DISPLACED 7.5 BBLs FW POOH WITH 4 JTS VERY SLOW TO LET CEMENT FALL SLOWLY POOH ALL TBG CEMENT TOP SHOULD BE 1366' CLOSED BLIND RAMS AND PRES UP TO 1000 PSI

9/23/15 CP- 0 PSI PICKED UP 4 3/4" BIT AND RIH 8- 3.5" DRILL COLLERS AND TBG TAGGED CEMENT TOP @ 1356' RIGGED UP POWER SWIVEL ESTABLISHED CIRCULATION STARTED DRILLING CEMENT STILL GREEN

9/24/15 TP- 0 PSI CP- 0 PSI TAGGED CEMENT 1554' ESTABLISHED CIRCULATION STARTED DRILLING CEMENT THIS TIME WAS HARD GOT DOWN TO 1488' OXY SAFETY REP SHOWED UP AND DID A SAFETY INSPECTION GOT DONE CONTINUED ON WITH PRES TESTING WELL PRES UP TO 500 PSI LOST 50 PSI IN 30 MINS PRES UP AGAIN TO 550 PSI LOST 50 PSI IN 30 MINS DID IT AGAIN 550 PSI LOST 50 PSI IN 30 MINS BLEED DOWN PRES CONTINUED DRILLING OUT THE CEMENT WE HAD LEFT FELL THROUGH CEMENT @ 1501' WENT DOWN TO 1580' RIGGED DOWN POWER SWIVEL POOH WITH ALL TBG AND DRILL COLLERS LAID DOWN BIT SUB PICKED UP 5.5" PKR RIH SET PKR @ 1405' TESTED TO 500 ABOVE PKR HELD GOOD TESTED BELOW PKR 525 PSI LOST 50 PSI IN 30 MINS LEFT PRES ON WELL OVERNIGHT

9/25/15 TP- 300 PSI BLEED DOWN PRES UP TO 500 PSI AGAIN HELD FOR 30 MINS LOST 25 PSI UNSET PKR POOH LAID DOWN PKR PICKED UP RETREIVING HEAD RIH TAGGED TOP OF SAND @ 1842' CIRCULATED SAND OUT CLEANED DOWN TO TOP OF RPB LATCHED ON AND UNSET POOH WITH 57 JTS LAID DOWN RETRIVING HEAD AND RPB, RIH 8- 3.5 DRILL COLLERS AND LAID DOWN ON FLOAT, RIH WITH RETRIVING HEAD , 2' PERFED SUB AND 147 JTS PICKED UP 6' JT STAYED UP ABOVE RBP AND WE WERE GOING TO PUMP MUD TO KILL WELL MUD NEEDED TO BE RECONDITIONED HAD BASIC WASH BACK AND FORTH IN TRANSPORT TO RECONDITION

9/26/15 TP-0 PSI CP- 0 PSI PUMPED 57 BBLs 13# KILL MUD DOWN CSG AND 21 BBLs 13# KILL MUD DOWN TBG FOR WELL CON TROL LATCHED ON TO RBP @ 4827' UNSET PLUG LET MUD SETTLE POOH LAYING DOWN 2 7/8" WORK STRING 148 JTS PICKED UP NEW 5.5" ARROWSET PKR WITH PUMP OUT PLUG AND RETRIEVING HEAD RIH WITH PKR AND 148 JTS 2 7/8" TK99 JTS SET PKR @ 4825' SET 15K COMPRESSION ON IT CIRCULATED OUT KILL MUD 74 BBL AND THEN CIRCULATED IN 110 BBLs PKR FLUID ON TOP OF PKR

9/28/15 TP-0 PSI CP- 0 PSI LATCHED BACK ONTO PKR RIGGED DOWN TBG TONGS AND WORK FLOOR NIPPLED UP WH SET 15 K COMPRESSION ON PKR LANDED WELL PRES UP ON CSG 500 PSI HELD FOR 30 MINS LOST 20 PSI IN 30 MINS BLEED DOWN PUMPED DOWN TBG TO POP OUT PUMP OUT PLUG ON PKR PUMPED OFF @ 2400 PSI PUT CHART ON CSG AND PRES UP TO 520 PSI AND CHARTED FOR 30 MINS LOST 10 PSI

9/29/15 WAITED TILL 8:30 NMOC DID NOT SHOW HAD SAID THE DAY BEFORE IF DIDNT SHOW UP BY THEN TO JUST GO AHEAD AND PROCEED WITH THE TEST PUT CHART ON AND PRES UP TO 520 PSI ON CSG MONITERED FOR 30 MINS LOST ABOUT 5 PSI IS ALL BLEED DOWN PRES RIGGED UNIT DOWN CLEANED UP LOCATION MOVED OFF WELL

10/19/15 TP- 1000 PSI CP- 600 PSI BLEED DOWN CSG PRES TO 0 PSI CLOSED WELL

BB 12/3/15

- 10/20/15 TP- 1000 PSI CP- 430 PSI BLED DOWN CSG PRES TO 0 PSI CLOSED WELL WOULD PRES UP AFTER A WHILE RIGGED UP PULLING UNIT RIGGED UP RENAGADE SLICK LINE RIH AND SET A 1.81F BLANKING PLUG IN PROFILE NIPPLE POOH BLED DOWN PRES LOAD AND TESTED TBG 1500 PSI HELD GOOD FOR 15 MINS WENT AHEAD AND BLED IT OFF RENAGADE RIH AND RETIRIEVED BLANKING PLUG PUMPED 60 BBLS 10# BRINE DOWN TBG TO FIGURE KILL WEIGHT MUD NEEDED AND CAME UP WITH 14.5 PPG MUD ON 750 PSI SHUT IN PRES RENAGADE RIH AND SHOT 6 HOLES IN TBG @ 4772' POOH RIGGED DOWN RENAGADE
- 10/21/15 TP-450 PSI CP-750 PSI WAITED ON TRUCKS TO ARRIVE WITH KILL MUD UNLOADED MUD STARTED PUMPING DOWN HOLE PUMPED 60 BBLS 14.5 PPG MUD DOWN CSG AND 22 BBLS 14.5PPG MUD DOWN TBG WELL CONTROLLED FUNCTION TESTED BOP NIPPLED DOWN WH NIPPLED UP BOP RIGGED UP FLOOR UNSET PKR DID HAVE 14 K COMPRESSION ON IT POOH WITH 148- JTS 2 7/8" TK-99 JTS LAID DOWN PKR LOOKED GOOD REMOVED THREAD PROTECTORS AND TALLIUED 2 7/8" WORKSTRING PICKED UP 5.5" PLUG AND RETIEVING HEAD AND PKR PICKED UP 115 JTS WORK STRING LEFT HANGING @ 3770'
- 10/22/15 STAND BY DUE TO LOCATION FLOODED
- 10/23/15 TP- 0 PSI CP- 0PSI CONTINUED PICKING UP 2 7/8" TBG SET PLUG @ 4825' CIRCULATED OUT KILL MUD WITH 100 BBLS BRINE WATER GOT 82 BBLS 14.5 KILL MUD OUT MADE SURE WELLBORE CLEAN SET PKR @ 4801' PRES TESTED PLUG 650 PSI HELD GOOD NO LEAK OFF AFTER 30 MINS PRES TESTED CSG FROM PKR TOP TO SURFACE 725 PSI FOR 30 MINS NO LEAK OFF HELD GOOD BLED DOWN PRES UNSET PKR PUMPED 60 BBLS KILLS MUD DOWN CSG AND 22 BBLS DOWN TBG
- 10/24/15 TP-0 PSI CP- 0- PSI OPENED UP TBG AND MUD FLOWING BACK CIRCULATED MUD ALL THE WAY AROUND 104 BBLS STILL FLOWING CIRCULATED MUD OUT WITH BRINE WATER 122 BBLS TO START ALL OVER AGAIN PUMPED 60 BBLS MUD DOWN CSG AND 22 DOWN TBG WELL DEAD PICKED UP A JT AND LATCHED ONTO RBP AT 4825' UNSET POOH WITH 150 JTS 2 7/8" WORK STRING LAID DOWN PICKED UP NEW 5.5" ARROWSET 10K NICKEL PLATED PKR AND 148 JTS 2 7/8" TK99 JTS SET PKR 15K TENSION
- 10/26/15 TP-0 PSI CP- 0- PSI UNLATCHED OFF PKR AND CIRCULATED OUT ALL KILL MUD WITH 110 BBLS FW PKR FLUID RECOVERED 84 BBLS KILL MUD LACTED BACK ONTO PKR AND SPACED OUT WITH 28' OF IPC PUB JTS PUT 20K TENSION ON PKR RIGGED DOWN WORK FLOOR NIPPLED DOWN BOP NIPPLED UP WH FLANGE CHECKED TENSION ON PKR BEFORE SETTING DOWN STILL HAD 20K TENSION BOLTED UP WH TBG STARTED GETTING FLOW THINK PUMP OFF PLUG POPPED OFF PUMPED 38 BBLS BW DOWN TBG AND NEVER CAUGHT PRES PUMPED 10 BBLS OVER TUBIING CAPACITY TO MAKE SURE IT WAS GONE RIGGED UP CHART RECORDER AND PRES UP CSG TO 570 PSI HELD IT FOR 30 MINS NO LEAK OFF HELD GOOD BLED DOWN PRES PUMPED 60 ADDITIONAL BBLS BW DOWN TBG TO MAKE SURE NOT CATCHING PRES WHILE INJECTING FLUID INJECTED AT RATE OF 3 BBLS AMIN WITH 1050 PSI CSG NEVER CAUGHT PRES
- 10/27/15 RIGGED UP CHART AND STARTED PRES TEST WENT TO 565 PSI AS PER NMOC INSPECTORS REQUEST RECORDED PRES TEST ON CHART FOR 30 MINS AFTER 30 MINS LEAKED OFF 10 PSI FROM 565 PSI TO 555 PSI NMOC INSPECTOR GEORGE BOWER SAID TEST PASSED. RIGGED UNIT DOWN

B8 12/3/15

OXY USA Inc.
Red Tank 35 Federal #3
API No. 30-025-33149

12-1/4" hole @ 807'
8-5/8" csg @ 807'
w/ 575sx-TOC-Surf-Circ

Csg Lk @ 1450-1465', sqz w/ total 480sx cmt

2-3/8" IPC tbg & AS pkr @ 4820'

Perfs @ 4950-5207'

Perfs @ 5690-6252'

7-7/8" hole @ 6600'
5-1/2" csg @ 6543'
w/ 2030sx-TOC-Surf-Circ

PB-6491'

OH @ 6543-6600'

TD-6600'

BS 12/3/15