

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

HOBBS OCD

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

NOV 25 2013

RECEIVED

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. 30-025-40465
1. Type of Well: Oil Well <input checked="" type="checkbox"/> / Gas Well <input checked="" type="checkbox"/> Other <u>INJECTION</u>		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 CENTRAL VACUUM UNIT
4. Well Location Unit Letter : H 2346 feet from the NORTH line and 481 feet from the EAST line Section 36 Township 17S Range 34E NMPM County LEA		8. Well Number 273
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 4323
		10. Pool name or Wildcat VACUUM; GRAYBURG SAN ANDRES

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: CLEAN OUT

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 10/07/2013 THROUGH 11/11/2013.

CHART RUN ON 11/11/2013 IS ATTACHED.

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

Denise Pinkerton

TITLE: REGULATORY SPECIALIST

DATE: 11/21/2013

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

Mark Stetson

TITLE

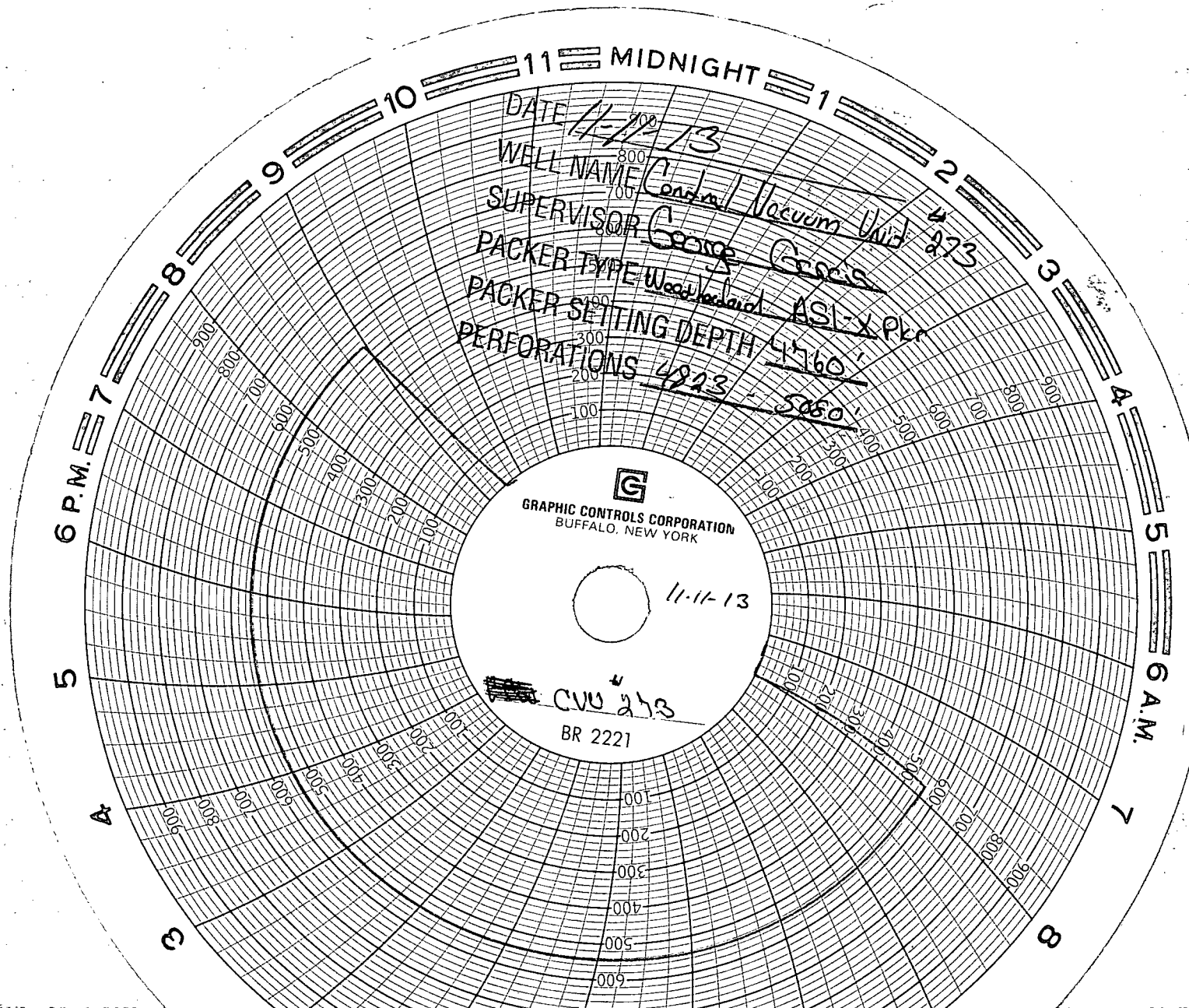
Compliance Officer

DATE

11-26-2013

Conditions of Approval (if any):

NOV 26 2013





Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Report Start Date: 10/7/2013

Com

MIRU ON CVU#273, HAD TO WAIT ON PRODUCTION TO BLEED AND RIG DOWN LINES TO WELL HEAD,

CREW TRAVEL

Report Start Date: 10/8/2013

Com

CREW TRAVEL

SAFETY MEETING AND JSA

FINISH SPOTING TANKS AND RU TO WELL HEAD TO KILL WELL

FLOW LON STRING DOWN FROM 970 TO 700PSI, PUMP 30 BBLS OF 10# BRINE DOWN L.S., L.S. ON VACCUME, FLOW SHORT STRING DOWN FROM 1550 TO 950 PSI, PUMP 30 BBLS 10# BRINE(640 PSI AFTER), PUMP 3.5BBLS OF 14.5 MUD DOWN L.S., WELL ON VACCUM

SET BACKPRESSURE VALVE IN LONG STRING, INSTALL BULL PLUGS WITH NEEDLE VALVES AND GAUGES ON WELL HEAD

CREW TRAVEL

Report Start Date: 10/9/2013

Com

CREW TRAVEL

SAFETY MEETING AND JSA REVIEW

RIG DOWN GAUGES ON WELL HEAD AND BACK OUT BACKPRESSURE VALVE,, RIG UP TO PUMP DOWN SHORT STRING TO KILL

PUMP 300 BBLS OF 10# BRINE TO KILL INJ WELL ON SHORT STRING SIDE @1.8BMP @1100PSI, 720PSI AFTER SHUT DOWN

RIG UP ON LONG STRING

PUMP 20BBLS OF 10# BRINE TO KILL LONG STRING 1.4BPM @ 1400PSI, PRESSURE REACHED 1600 WITH NO RATE, SHUT DOWN, WELL IS DEAD

RIG UP SLICKLINE

RIH W GAUGE RING(TAG @ 4752)THEN POOH AND PICK UP BLANKING PLUG FOR 1.43" R NIPPLE, SET @ 4752.92, POOH, TEST BLANKING PLUG TO 1450PSI(GOOD TEST)

RIG DOWN SLICKLINE UNIT

CREW TRAVEL

Report Start Date: 10/10/2013

Com

CREW TRAVEL

SAFETY MEETING AND JSA

RIG UP LINES TO MONITOR LONG STRING AND SET BACK PRESSURE VALVE ON SHORT STRING

MONITOR WELL ON LONG STRING SIDE, WELL DEAD

WAITING ON SLICKLINE TO FISH TOOLS OUT OF TUBING ON THE LONG STRING SIDE

CREW TRAVEL

Report Start Date: 10/11/2013

Com

CREW TRAVEL

SAFETY METING AND JSA REVIEW

RIG UP SLICKLINE



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
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Com					
RIH WITH 1.5" IMPRESSION BLOCK TAG FISH @ +/- 4955 POOH					
RIH W/ 7/8" SD OVERSHOT ON SPANG JARS NO FISH POOH					
RIH W/ 7/8" SD OVERSHOT ON SPANG JARS NO FISH POOH					
RIH W/ 1" JDC OVERSHOT ON SPANG JARS NO FISH POOH					
RIH W/ 1 3/16" JDC OVERSHOT ON SPANG JARS NO FISH POOH					
RIH W/ 7/8" SD OVERSHOT ON SPANG JARS ALMOST CAUGHT FISH/PULLED 900 OVER NO FISH POOH					
INSTALL HYDRAULIC JARS AND RIH W/ 7/8" SD OVERSHOT ON SPANG JARS NO FISH. POOH					
RIH AGAIN WITH SAME BHA AND 1 1/4" NUCKLE WITH NO SUCCESS. POOH					
RIG DOWN SLICK LINE					
CREW TRAVEL					
Report Start Date: 10/14/2013					
Com					
CREW TRAVEL					
SAFETY MEETING AND JSA REVIEW					
RIG UP SLICKLINE					
FISH FOR GAUGES STUCK AT 4960' +/- RIH W/ 1.5" IMPESSION BLOCK TO LOCATE POSSISION OF FISH RIH W/ 7/8" JDC SHEARDOWN THICKWALL FISHING TOOL AND RETRIEVE FISH RIH W/ 1.43" R BLANKING PLUG AND SET @ 4960' TEST SAME TO 1000PSI					
RIG DOWN SLICKLINE					
ND DUAL STRING WELL HEAD					
NU 2 3/8" OFFSET BOPSON SHORT STRING SIDE/TEST BLINDS 250LOW/1000HIGH 5 MIN SHUT DOWN DUE TO VETCO NOT HAVING XOVER TO SCREW INTO HANGER SHUT DOWN DUE TO VETCO NOT HAVING X-OVER TO TIE INTO HANGER.					
CREW TRAVEL					
Report Start Date: 10/15/2013					
Com					
CREW TRAVEL					
REVIEW JSA'S, TENET #5, HAZARD WHEEL, & ECOLORS, HAVE SAFETY MEETING ON JOB TASKS FOR THE DAY AND MITIGATION OF HAZARDS PRESENT, REVIEW JSA FOR KILLING WELL, FLOW BACK & SLICK LINE WAIT FOR VETCO TO BRING TOOL TO TIE INTO HANGER					
CREW TRAVEL					
Report Start Date: 10/16/2013					
Com					
CREW TRAVEL					
REVIEW JSA'S, TENET #6, HAZARD WHEEL, & ECOLORS, HAVE SAFETY MEETING ON JOB TASKS FOR THE DAY AND MITIGATION OF HAZARDS PRESENT, REVIEW JSA FOR KILLING WELL, FLOW BACK & SLICK LINE OPERATIONS SPOT & RU SLICK LINE CHECK PRESSURE AND REMOVE 2 WAY CHECK VALVE, NO PRESSURE PRESENT REMOVE BLANKING PLUG FROM LONG STRING PUMPED 6.5 BBLS .25 BPM SI PRESS 1000 PSI, BLEED DOWN TO 0 PSI IN 5-6 MIN, CONT W/ 14.5 PPG KILL MUD @ 1.3 BPM PRESSURE READING 1800 PSI, WHEN WE REACHED 10 BBLS PRESS READING 2500 PSI, SLOW DOWN PUMP TO .25 BPM, CONT 4.5 BBLS PRESSURE GOT TO 2800 PSI & SI, LOST 1000 PSI IN 8-9 MINS SET BLANKING PLUG IN LONG STRING SET 2-WAY CHK VALVE IN LONG STRING					



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Com					
SWAP EQ OVER TO SHORT STRING					
RD SLICK LINE EQ					
ATTEMPT TO UNLATCH SHORT STRING FROM PKR, WOULD NOT UNLATCH					
ND BOP					
PU & SET SLIPS ON WH					
RD TUB HGR ON SHORT STRING					
NU BOPE					
TEST PIPE RAMS, 250 PSI, 1000 PSI, TEST GOOD					
UNLATCH SHORT STRING					
PUMP 65 BBLs 14.5 PPG KILL MUD ON BACKSIDE					
STRING BACK INTO PKR					
RU SLICKLINE EQ					
REMOVE BLANKING PLUG					
RD SLICKLINE EQ					
RU FLOWBACK LINES TO MANIFOLD, PRESS GAUGE READING 250 PSI, WILL MONITOR FLOWBACK OVERNIGHT					
CREW TRAVEL					
Report Start Date: 10/17/2013					
Com					
CREW TRAVEL					
WHILE FLOWING BACK LAST NIGHT, SOME H2S GAS PRESENT AROUND FLOWBACK TANK W/ NO WIND, HSE REP USED SNIFFER, 20 PPM AROUND FLOWBACK TANK, AROUND MANIFOLD AND RIG 5 PPM, SI WELL & MONITERED LOCATION, LOCATION WAS CLEAR W/ NO PRESENT H2S, RE-SPOTTED DOG HOUSE					
REVIEW JSA'S, TENET #7, HAZARD WHEEL, & ECOLORS, HAVE SAFETY MEETING ON JOB TASKS FOR THE DAY AND MITIGATION OF HAZARDS PRESENT, REVIEW JSA FOR KILLING WELL, SLICK LINE OPERATIONS, SHEARING PKR, TRIPPING PIPE, WELL CONTROL, H2S AWARENESS					
RD LINES TO FLOW BACK					
RU LINES TO REV UNIT					
PUMPED 20 BBL 10# BW & SI WELL, WELL AT STATIC					
PUMPED 6.5 BBLs 14.5# KWM TO BALANCE					
UNLATCHED SHORT STRING, WELL STATIC					
TOH 54 JTS 2-3/8 FL PROD TUB & LD					
STAB SAFETY VALVE, MONITOR WELL COND, CHECK GOOD					
CONT TOH 2-3/8 FL PROD TUB & LD					
TRIED TO SHEAR INJ PKRS, PULLED 65K AND WORKED THE TUBING SEVERAL TIMES					
ND ANNULAR PREVENTER, SHUT IN BLIND RAMS					
RD RIG FLOOR, FOR STRING SHOT IN THE MORNING					
CREW TRAVEL					
Report Start Date: 10/18/2013					
Com					
CREW TRAVEL					
REVIEW JSA'S, TENET #8, HAZARD WHEEL, & ECOLORS, HAVE SAFETY MEETING ON JOB TASKS FOR THE DAY AND MITIGATION OF HAZARDS PRESENT, REVIEW JSA FOR KILLING THE WELL, WIRE LINE OPERATIONS W/ STRING SHOT, SHEARING PKR, TRIPPING PIPE, WELL CONTROL CONCERNS					
CHECK WELL PRESS, 0 PSI @ STATIC COND, CHANGE RAMS TO 2-3/8 CENTER					
PICK UP LONG STRING SET SLIPS AND UNSCREW TUB HANGER					
SPOT & RU WL EQ					
RIH W/ STRING SHOT TO 4765' (2JTS ABOVE PKR)					
4 LH TURNS, FIRED SHOT, CONT TO BREAK OUT CONN, STRING WEIGHT 21K STILL SHOWS ON KEY VIEW					
POOH W/ WL TOOLS					
RD WL EQUIPMENT					
RU REV OP LINES TO TUB					
PUMPED 6.5 BBLs 14.5 PPG, TO EQUALIZE TUB & BACKSIDE PUMPED 2 BBLs 9 PPG BW ON TOP					
MONITOR WELL COND, WELL DEAD					
TOH W/ 2 JTS 2-3/8 FL PROD TUB					
RIH W/ BRIDGE PLUG +/- 25' & SET					
TST BOP 2-3/8 PIPE RAMS, 250 PSI, 1000 PSI, TST GOOD					
TOH W/ 2-3/8" FL PROD TUB & LD					



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Com

CHANGE RAMS TO 2-7/8

NU ANNULAR PREVENTER

TST BOBE, 250 PSI, 1000 PSI, ALL TST GOOD

PU & MAKE UP OVERSHOT, JAR, 4 -3-1/2" DRCS, BUMPER SUB, XOVER BACK TO 2-7/8" 8RD

TIH W/ FISHING BHA & 2-7/8 WS TO 2662', SECURE WELL SDFN

CREW TRAVEL

Report Start Date: 10/19/2013

Com

CREW TRAVEL

REVIEW JSA'S, TENET #9, HAZARD WHEEL, & ECOLORS, HAVE SAFETY MEETING ON JOB TASKS FOR THE DAY AND MITIGATION OF HAZARDS PRESENT, REVIEW JSA FOR KILLING THE WELL, TRIPPING TUB, FISHING & JARRING, SHEARING PKRS, WELL CONTROL W/ CO2 CONCERNS, MINDFUL OF LOW TEMPS, AND DRINK PLENTY OF FLUIDS, CALIBRATE ELV FOR CORRECT SIZE & FUNCTIONS, LOGGED

STATIC WELL 0 PSI, CONT TALLY ON 2-7/8 WS, CONT TIH W/ FISHING BHA & 2-7/8 WS, TAGGED TOP OF FISH @ 4675'

JARRING ON FISH, CAME UP THE HOLE 4-6" A STROKE, THEN 1-2", LAST 2 HRS, TUB NOT MOVING, TOTAL OF 29'

CREW TRAVEL

Report Start Date: 10/21/2013

Com

CREW TRAVEL

REVIEW JSA'S, TENET #1, HAZARD WHEEL, & ECOLORS, HAVE SAFETY MEETING ON JOB TASKS FOR THE DAY AND MITIGATION OF HAZARDS PRESENT, REVIEW JSA FOR KILLING THE WELL, WL OPERATIONS, JET CUTTING, TRIPPING TUB, FISHING & JARRING, SHEARING PKRS, WELL CONTROL W/ CO2 CONCERNS, MINDFUL OF LOW TEMPS, AND DRINK PLENTY OF FLUIDS

SPOT & RU WL EQ

RIH W/ FREE POINT

JET CUT IN THE MIDDLE OF A 6' TUB SUB @ 4710', RIGHT BELOW TOP PKR

JARRED ON TUB TO FINISH SEPERATION

RD WL EQ

TOH STANDING BACK 2-7/8 WS W/ FISH

WAITING ON CONVAVE MILL FROM KEY'S YARD

PU & TIH W/ 6-1/8 CONCAVE MILL 4 - 4-1/4 DRC'S ON 2-7/8" WS, TAGGED @ 4721'

R/U POWER SWIVEL

DRESS OFF TOP OF FISH WHERE WE MADE JET CUT

R/D POWER SWIVEL, SECURE WELL, SDFN

TOH W/ 6-1/8 CONCAVE MILL 4 - 4-1/4 DRC'S ON 2-7/8" WS TO 2535'

CREW TRAVEL

Report Start Date: 10/22/2013

Com

CREW TRAVEL

REVIEW JSA'S, TENET #2, HAZARD WHEEL, & ECOLORS, HAVE SAFETY MEETING ON JOB TASKS FOR THE DAY AND MITIGATION OF HAZARDS PRESENT, REVIEW JSA FOR KILLING THE WELL, TRIPPING TUB, FISHING & JARRING, SHEARING PKRS, WELL CONTROL W/ CO2 CONCERNS, MINDFUL OF LOW TEMPS STAY WARM, AND DRINK PLENTY OF FLUIDS

CHECK WELL PRESSURE, 0 PSI, TOH W/ 6-1/8 CONCAVE MILL 4 - 4-1/4 DRC'S ON 2-7/8" WS

PU & MAKE UP OVERSHOT, JAR, 4 -4-1/4" DRCS, BUMPER SUB, XOVER BACK TO 2-7/8" 8RD

TIH W/ FISHING BHA & 2-7/8 WS TO TOP OF FISH

JARRING ON FISH (6 JTS 2-3/8" TUB & BOTTOM PKR), CAME UP 3-4"

TOH W/ FISHING BHA & 2-7/8 WS TO 2535', SECURE WELL, SDFN

CREW TRAVEL

Report Start Date: 10/23/2013

Com

CREW TRAVEL

REVIEW JSA'S

UNIT BRAKE NOT WORKING, AIR IN LINE, BLED DOWN AND WORKS GOOD

WAIT ON CUT LIP SHOE TO BE MADE, CONNECTIONS DIFFERENT ON WASH PIPE DELIVERED HERE, ORDERED ALL NEW WASH PIPE

CREW TRAVEL

Report Start Date: 10/24/2013

Com

crew travel

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



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Com

move in wash pipe and unloadn on racks, and talley and guage all wash pipe and shoe

gih with 6" od cut lip shoe

6 jts 5 1/2 wash pipe

bumper sub

jars

4 jts 4 inch drill collars

exclerator

140 jts 2 7/8 workstring to 4711,

hook up power swevel and stripper rubber and circ hole clean of mud with 10 lb brine, had to tear down reverse pump to rubber in suction valve, start back up with pump and try to establish circ with brine. pumped 350 bls didn't get circ. shut down and had 500 psi on tubing, tried to flow well down to frac tank, formation is charged up. pump 10 bbls mud dwn tubing to kill well.

lay down power swevel and pooh to 2400', secure well, secure well, reload frac tank to start circ the hole and get the hydrostatic out of well at a higher level in well bore

crew travel

Report Start Date: 10/25/2013

Com

crew travel

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

ru reverse unit and attempt to circ mud at 2500' finialy broke circ with brine, circ mud out at 2500' pumped a total of 250 bbls, shut down and well was flowing on both side, pump 6 bbls mud down tubing left casing flowing, killed tubing with mud

go in hole with tubing and wash pipe to 4711 on 140 jts.

go over fish with wash pipe, backside flowing 200 psi, pump pressure 200 psi, backside flowing water and co2, having to kill tubing with mud on every joint picked up with 7 bbs mud and 7 bbls brine, backside continue to flow, continue in hole and tag fill at 4850, continue to clean out with wash pipe, wash down to packer @ 4914' acted like the packer was moving

circ hole clean

SPOT 33.8 BBLS DWN BACK SIDE AND 6.3 BLS DOWN TUBING OF 14.5 MUD, LET WELL SET AND WATCH FOR FLOW

LAY DOWN POWER SWEVEL AND START OUT OF HOLE WITH WASH PIPE, LEAVING TUBING SWING AT 2500', SECURE WELL

CREW TRAVEL

Report Start Date: 10/28/2013

Com

crew travel

review jsa's on well control and check tubing elevators for correct size and document

check tubing and casing psi, 0 psi on tubing and casing

pooh with tubing and drill collars and wash pipe standing wash pipe in derrick, take of stripper rubber

gih with new BHA

5 3/4 over shot

4 1/4 bumper sub

4 1/4 jars

4 each 4 1/8 drill collars

4 1/4 booster

on 146 jts 2 7/8 workstring tag fish at 4725'

latch onto fish and start jarring on fish and packer, move packer up hole about 3 ft, secure well, discuss with engineers in the morning

crew travel

Report Start Date: 10/29/2013

Com

CREW TRAVEL

REVIEW JSA'S AND TENET #9, HAZARD WHEEL #9, CALIPER 2 7/8" ELEVATOR.

WELL PREFERENCE=0#, OPEN WELL.

LEFT 80K OVER NITE AND HAD 70K THIS MORNING NO MOVEMENT ON FISH, CONTINUE JARRING ON FISH FROM 8:00AM TO 9:30 AM MOVED UP HOLE 3.00'. EST PKR @ 4908'.

CREW LUNCH, REVIEW JSA'S

CONTINUE JARRING PULLING 57K OVER TBG WT, (TBG WT 32K) MOVE 6"

CONTINUE JARRING NO MOVEMENT.

RELEASE OFF FISH

TOH WITH 35 STANDS AND LEAVING 2540' OF KILL STRING IN HOLE 76 STANDS.

SHUT IN WELL AND SHUT DOWN

CREW TRAVEL

PREP TO RUN INTERNAL CUTTER

Report Start Date: 10/30/2013



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Com					
CREW TRAVEL					
SAFETY MTG, REVIEW JSAS'S AND TENET #10, HAZARD WHEEL WHEEL #10, CALIPER 2 7/8" ELEVATOR. WELL CONTROL					
CHECK WELL PRESSURE=0#, OPEN WELL					
TOH WITH 2 7/8" WS AND LD TOOLS.					
INSPECT TOOLS, PU TIH W/ X-O 2 7/8" EUE BOX X 2 7/8" IF PIN .82' X 4 1/8"OD X 2"ID DC 1. 28.34' X 4"OD X 2"ID DC 2. 30.73' X 4 1/8"OD X 2 1/8"ID DC 3. 28.78' X 4 1/8"OD X 2"ID DC 4. 28.83' X 4 1/8"OD X 2 1/8"ID JARS 12.75' 4 1/4"OD X 2"ID BUMPER SUB 5.00' X 4 1/4"OD X 2"ID X-O 3 1/2" FH-BOX X 2 7/8" IF BOX 1.15' X 4 3/4"OD X 2 3/8"ID TOP BUSHING 3 1/2" FH BOX X 5 1/2" WP PIN 2.95' X 4 5/8"OD X 2 1/2"ID 5 1/2" WASH PIPE 1. 32.16' 2. 32.20' 3. 32.18' 4. 32.18' 5. 32.18 6. 32.17' 5 7/8" EXTERNAL CUTTER 4.32' TOTAL 336.77' TIH W/BHA ON 2 7/8" WS TO 2280					
CREW LUNCH, REVIEW JSA'S. PUMPED 220 BBLS 10# BRINE DN TBG. FOLLOWED WITH 6 BBLS 14.5# MUD. WELL STABILIZED NO FLOW					
CONTINUE TIH TO TOP OF FISH @ 4705'					
WASH OVER TOP OF FISH @ 4705' TO TOP OF PKR @ 4898', SET 5 POINTS ON PKR. PU CIRC CLEAN, PU TO COLLAR ABOVE PKR 30.00' MOVE DN 15.00' AND CUTT TBG @ 4882'. TOH LD 6 JTS 2 7/8" WS, EOT ABOVE PERFS					
PUMP MUD PILL 40 BBLS 14.5# MUD, TOH WITH 2 7/8" WS TO 3913' EOT SHUT IN WELL AND SHUT DOWN					
CREW TRAVEL					
PREP TO TOH LD TOOLS. TIH W/OVER SHOT WILL CHANGE OUT GRAPPLE (WITH CONTROL GUIDE WITH CUTT RITE)					
Report Start Date: 10/31/2013					
Com					
CREW TRAVEL					
SAFETY MTG, REVIEW JSA'S AND TENETS, CALIPER ELEVATORS, HAZARD HUNT,					
CHECK WELL PRESSURE=0#, OPEN WELL					
CONTINUE TOH W/2 7/8" WS AND LD BHA, DID HAVE 5 1/2 JTS 178' OF 2 3/8" IPC ID AND WYPE WRAP OD FISH IN WASH PIPE,					
P/U BHA XO 2 7/8" EUE BOX X 2 7/8" IF PIN - .82' 4 1/8"OD X 2" ID BOOSTER - 9.75' 4 1/4"OD X 2" ID DRILL COLLARS - 1- 28.34' 4"OD X 2"ID 2- 30.73' 4 1/8"OD X 2 1/8"ID 3- 28.78' 4 1/8"OD X 2"ID 4- 28.83' 4 1/8"OD X 2 1/8"ID JARS - 12.75' 4 1/4"OD X 2"ID BUMPER SUB- 5.00' 4 1/4"OD X 2"ID XO 2 7/8" EUE BOX X 2 7/8" IF PIN - 1.15' 4 3/4" OD X 2 3/8"ID OVERSHOT 5 3/4" - 3.07' FISHING NECK .54' 4 5/8"OD X 2 1/2"ID TOTAL BHA LENGTH - 149.22' ON 2 7/8" WS					
CREW LUNCH, REVIEW JSA'S					
CONTINUE TIH WITH 5 3/4" OVER-SHOT TO LATCH ON TO TOP OF FISH @ 4889' 151 JTS IN, DRESS OFF FISH AND LATCH ON.					
START JARRING ON FISH. JARRED 3.00 HOURS, MOVED UP HOLE 8".					
PU 1 JT AND RELEASE OFF FISH, STAND BACK 3-STANDS, EOT @ 4737', 90' ABOVE PERFS, 146 JTS IN.					
SHUT IN WELL AND SHUT DOWN					



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Com

CREW TRAVEL

PREP TO CONTINUE JARRING

Report Start Date: 11/1/2013

Com

CREW TRAVEL

SAFETY MTG, REVIEW JSAS, TENET #1, HAZARD WHEEL, DISCUSSED WELL CONTROL, CALIPER ELEVATORS

CHECK WELL PRESSURE = 0#, OPEN WELL

PULL 146 JTS, LD OVERSHOT.

P/U BHA

XO 2 7/8" EUE BOX X 2 7/8" IF PIN - .82'

4 1/8"OD X 2" ID

DRILL COLLARS -

1- 28.34' 4"OD X 2"ID

2- 30.73' 4 1/8"OD X 2 1/8"ID

3- 28.78' 4 1/8"OD X 2"ID

4- 28.83' 4 1/8"OD X 2 1/8"ID

JARS - 12.75' 4 1/4"OD X 2"ID

BUMPER SUB- 5.00' 4 1/4"OD X 2"ID

XO 2 7/8" IF BOX X 3 1/2 FH PIN - 1.15'

4 3/4" OD X 2 3/8"ID

TOP BUSHING 3 1/2" FH PIN X 5 1/2" WP PIN - 2.25'

4 5/8"OD X 2 1/2" ID

WASHPIPE - 32.18' 5 1/2" OD X 4 7/8"ID

6 1/8" KUT-RITE SHOE - 3.02

TOTAL BHA LENGTH - 173.85'

ON 2 7/8" WS

RAN IN HOLE W/BHA T/2318'

CREW LUNCH, REVIEW JSAS

REVERSE OP PUMPED 375BBLS DWN TBG OF 10# BRINE WATER FOLLOWED W/6BBLS 14.5# MUD.

CONT TIH W/6 1/8" SHOE

CONT IN HOLE TAGGED TOT AT 4889' CONT GOING DOWN TAGGED TOP OF PACKER AT 4907'

SET WT. ON PACKER MOVED 1' DOWN TO 4908' BEGIN TO WASHOVER PACKER

START MILLING F/4908'

WASHOVER PACKER AND MADE 5"

AT 8PTS ON FISH / 120 - 140 RPMS / 1000 TORQUE / STALL OUT SET AT 1200

PUMPED 5BBLS 14.5#MUD DWN TBG PULLED AND LD 6 JTS, EOT @4731' 92' ABOVE PERFS SHUT IN WELL AND SHUT DOWN

CREW TRAVEL

PREP TO CONT MILLING OVER FISH

Report Start Date: 11/2/2013

Com

CREW TRAVEL

SAFETY MTG, REVIEW JSAS, TENET #2, HAZARD WHEEL, DISCUSSED WELL CONTROL, CALIPER ELEVATORS

CHECK WELL PRESSURE = 0# TBG, 50# CSG

PU POWER SWIVEL AND 6 JTS TBG TIH WITH 6 7/8" SHOE FROM 4731' TO 4908' TO TOP OF FISH.

BEGIN TO WASHOVER PKR AND START MILLING F/4908'

WITH 8PTS ON FISH / 120 - 140 RPMS / 1000 TORQUE / STALL OUT SET AT 1200, LAST

30 MINS NOT MAKING HOLE, PU SHOE AND DROPPED BACK DOWN ON PKR, SERVAL TIMES, NOT GETTING ANY TORQUE.

MADE A TOTLAL OF 8" TODAY, 13" OVER-ALL

CIRC CLEAN, PUMP MUD PILL 35 BBLS

TOH WITH 38 JTS 2 7/8" WS, EOT @ 2502' WITH 74 JTS IN HOLE PLUS BHA

SHUT IN AND SECURE WELL

CREW TRAVEL

PREP TO CHANGE OUT SHOE

Report Start Date: 11/4/2013

Com

CREW TRAVEL

SAFETY MTG. REVIEW JSAs FOR PLANNED OPS, TENET #4, HAZARD WHEEL #4, DISCUSSED WELL CONTROL, CALIPER 2 7/8" AND 4" ELEVATORS.

CHECK WELL PRESSURE = 0#, OPEN WELL

PULL REMAINING 74 JTS OF 2 7/8" TBG WS AND BHA.



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Com

L/D BHA AND CHANGE 6 1/8" SHOE

P/U BHA

XO 2 7/8" EUE BOX X 2 7/8" IF PIN - .82'

4 1/8"OD X 2" ID

DRILL COLLARS -

1- 28.34' 4"OD X 2"ID

2- 30.73' 4 1/8"OD X 2 1/8"ID

3- 28.78' 4 1/8"OD X 2"ID

4- 28.83' 4 1/8"OD X 2 1/8"ID

JARS - 12.75' 4 1/4"OD X 2"ID

BUMPER SUB- 5.00' 4 1/4"OD X 2"ID

XO 2 7/8" IF BOX X 3 1/2 FH PIN - 1.15'

4 3/4" OD X 2 3/8"ID

TOP BUSHING 3 1/2" FH PIN X 5 1/2" WP PIN - 2.25'

4 5/8"OD X 2 1/2" ID

WASHPIPE - 32.18' 5 1/2" OD X 4 7/8"ID

6 1/8" KUT-RITE SHOE - 3.99

TOTAL BHA LENGTH - 174.82'

ON 2 7/8" WS TO 2502'

PUMPED 370 BBLs OF 10# BRINE TO DISPLACE MUD. PUMPED 5 BBLs DN TBG OF 14.5# MUD TO KILL TBG

CIRCULATED AT 3BPM

TIH W/2 7/8" WS AND BHA TO 4909' AT TOP OF FISH.

BEGIN TO WASHOVER PKR AND START MILLING F/4909'

WITH 7 PTS ON FISH / 120 - 140 RPMS / 1000 TORQUE / STALL OUT SET AT 1200.

MADE 7" TTL TODAY, 20" OVERALL. SHOULD BE BELOW TOP SLIPS.GETTING GOOD TORQUE NOW. RETURNS SHOWING PCS. OF RUBBER. WITH METAL SHAVINGS AND FLAKES. LOOKS TO BE GASKET MATERIAL AND SCALE.

CIRC WELL CLEAN, PUMPED 5BBLs 14.5#MUD DWN TBG L/D POWER SWIVEL; PULL AND LD 6 JTS, EOT @4731' 92' ABOVE PERFS SHUT IN WELL AND SHUT DOWN

CREW TRAVEL

PREP TO CONTINUE WASHING OVER PKR

Report Start Date: 11/5/2013

Com

CREW TRAVEL

SAFETY MTG: REVIEW JSAs, TENET #5, HAZARD WHEEL - PRESSURE, E-COLORS, WELL CONTROL, CALIPER ELEVATORS.

CHECK WELL PRESSURE: TBG=0#, CSG=50#, OPEN WELL

P/U POWER SWIVEL AND 6 JTS 2 7/8' TBG

ESTABLISH CIRCULATION.

BEGIN TO WASHOVER AND MILL FISH F/4909' W/6 1/8" SHOE AND 2 7/8" WS. PKR FELL 9' TO 4918'. TOP SLIPS CUT. CONTINUE WASHING OVER PKR. LAST HOUR NOT MAKING ANY HOLE.

8PTS ON PKR

TORQUE 1000 / STALL OUT SET AT 1250

120-140 RPMS

EST. TOP OF 2 3/8" FISH AT 4898'

RETURNS SHOWING LG AMOUNT OF RUBBER AND SMALL AMOUNT OF SHAVINGS

POWER SWIVEL NOT FUNCTIONING PROPERLY, WILL BE SWAPPED OUT IN THE AM.

PULL OFF BOTTOM AND PUMP 35BBLs 14.5# MUD TO KILL WELL.

PULL 87 JTS 2 7/8" TBG, 64 JTS AND BHA IN HOLE AT 2190'. SHUT DOWN AND SHUT IN WELL.

CREW TRAVEL

PREP TO LD 6 1/8" SHOE. PU OVERSHOT AND TIH TO BEGIN JARRING AND RETRIEVE FISH.

Report Start Date: 11/6/2013

Com

CREW TRAVEL

SAFETY MTG; TENET #6; HAZARD WHEEL, WELL CONTROL, MY SPACE 360, E-COLORS, CALIPER 2 7/8" AND 4" ELEVATORS.

CHECK WELL = 0#, OPEN WELL

PULL REMAINING 64 JTS OF 2 7/8" TBG AND BHA F/2190'.



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,990.00	Original RKB (ft) 4,009.00	Current RKB Elevation 4,008.50, 10/27/2012		Mud Line Elevation (ft)	Water Depth (ft)

Com

P/U BHA

XO 2 7/8" EUE BOX X 2 7/8" IF PIN - .82'

4 1/8"OD X 2" ID

BOOSTER - 9.78' 4 1/4"OD X 2" ID

DRILL COLLARS -

1- 28.34' 4"OD X 2"ID

2- 30.73' 4 1/8"OD X 2 1/8"ID

3- 28.78' 4 1/8"OD X 2"ID

4- 28.83' 4 1/8"OD X 2 1/8"ID

JARS - 12.70' 4 1/4"OD X 2"ID

BUMPER SUB- 5.00' 4 1/4"OD X 2"ID

XO 2 7/8" EUE BOX X 2 7/8" IF PIN - 1.15'

4 3/4" OD X 2 3/8"ID

OVERSHOT 5 3/4" - 3.07' FISHING NECK .54'

4 5/8"OD X 2 1/2"ID

TOTAL BHA LENGTH - 149.2'

ON 2 7/8" WS

TIH W/ 2 7/8" TBG AND BHA TO TOP OF FISH AT 4898' LATCHED ON TO FISH, BEGIN JARRING AND RETRIEVE PKR AT 4918'.

JARRED ONCE AND PULLED AT 37 PTS OVER, FISH CAME LOOSE, 2 MORE JTS AT 30 PTS OVER THEN PULLING W/NORMAL AMOUNT OF DRAG.

PULLED 76 JTS 2 7/8" TBG T/1900'.

CREW BREAK FOR LUNCH AND SAFETY - REVIEW JSAs FOR AFTERNOON OPERATIONS.

CONTINUE TO PULL REMAINING 56 JTS OF
2 7/8" TBG WS. BHA AND FISH.

L/D BHA AND FISH

P/U BHA

XO 2 7/8" EUE BOX X 2 7/8" IF PIN - .82'

4 1/8"OD X 2" ID

DRILL COLLARS -

1- 28.34' 4"OD X 2"ID

2- 30.73' 4 1/8"OD X 2 1/8"ID

3- 28.78' 4 1/8"OD X 2"ID

4- 28.83' 4 1/8"OD X 2 1/8"ID

BIT SUB - 1.52' 4 1/4" OD X 2 3/8" ID

6 1/8" BIT - .45

TOTAL BHA LENGTH - 119.47'

ON 2 7/8" WS

TIH W/35 STANDS 2 7/8" TBG T/2350'

INS STRIPPER RUBBER. SHUT DOWN WELL AND SHUT IN.

CREW TRAVEL

PREPARE TO CLEANOUT HOLE T/5115'

Report Start Date: 11/7/2013

Com

CREW TRAVEL

SAFETY MTG; TENET #7, HAZARD WHEEL, MY SPACE 360, WELL CONTROL Q&A, ECOLORS, CALIPER ELEVATOR.

CHECK WELL PRESSURE=0#, OPEN WELL

PUMPED 340 BBLs 10.0# BRINE TO DISPLACE MUD @ 4.6 BPM. THEN 5 BBLs OF 14.5# MUD TO KILL TBG

TRIP IN HOLE TO TAG @4930' W/154 JTS OF 2 7/8" WS AND 6 1/8" BIT BHA..

ESTABLISH CIRCULATION THEN P/U POWER SWIVEL AND BEGIN TO CLEANOUT FILL F/4930' TO 5115' TD.

CREW LUNCH - REVIEW JSAs

CONTINUE TO CLEANOUT FILL TO 5115' TD.

CIRCULATE AND CONDITION, PUMP 14.5# MUD PILL - 4 BBLs IN TBG AND 21 BBLs IN CSG THEN 500' OF 10# BRINE ON THE TBG & CASING SIDE.

L/D POWER SWIVEL AND BEGIN TO L/D

2 7/8" WS.. PULL 85 JTS TO 2448' EOT IS ABOVE PERFS. LEAVE KILL STRING IN HOLE.

SHUT IN WELL AND SHUT DOWN

CREW TRAVEL

PREPARE TO FINISH LAYING DWN TBG AND RUN 2 7/8" INJECTION STRING.

Report Start Date: 11/8/2013

Com

CREW TRAVEL



Summary Report

Major Rig Work Over (MRWO)

Clean-Out

Job Start Date: 10/7/2013

Job End Date:

Well Name CENTRAL VACUUM UNIT 273		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
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Com

SAFETY MTG:REVIEW JSAs TENET #8, HAZARD WHEEL, WELL CONTROL, MY SPACE 360, E-COLORS, CALIPER ELEVATORS.

CHECK WELL = 0# PRESSURE, OPEN WELL

PULL REMAINING 75 JTS OF 2 7/8" TBG AND LD 6 1/8" MTB.

MOVE OUT 2 7/8" WS, OFF LOAD 162 JTS 2 7/8" IPC TBG

PICK UP 148 JTS OF 2 7/8" IPC TBG & PKR

1-2 7/8" X 2.00" IPC TBG SUB

148 2 7/8" IPC 4733.93'

7" X 2 7/8" T-2 ON/OFF TOOL - 1.71'

6.00" OD X 1.81" ID

7" X 2 7/8" AS1-X PKR - 7.38'

6.00"OD X 2.441"ID

4' X 2 7/8" NICKEL PLATED SUB - 4.32'

2.875"OD X 2.441" ID

2 7/8" PUMP OUT PLIUG - .48'

TOTAL LENGTH - 4768'

PKR SET AT - 4760'

CREW LUNCH

SPACE OUT AND SET PKR.

CIRCULATE PKR FLUID, LATCH BACK ON AND LAND TBG. PRE-TEST TO 500 PSI - GOOD

N/D BOP

N/U CO2 TREE AND TEST TO 3000PSI.

TEST - GOOD

SHUT DOWN AND SHUT IN WELL

CREW TRAVEL

PREP TO PUMP OUT PLUG, CHART AND TEST FOR OCD, RIG DWN AND MOVE OFF.

Report Start Date: 11/11/2013

Com

CREW TRAVEL

SAFETY MTG, REVIEWED JSAs, TENET #1, HAZARD WHEEL, E-COLORS, MYSPACE 360, WELL CONTROL Q&A.

CHECK PRESSURE ON BACKSIDE = 0#

PUMP OUT THE PUMP OUT PLUG @ 1600# PSI, WENT ON VACUUM AFTER. PERFORMED MIT @ 560# PSI, LOST 15# PSI OVER 35 MINS, TEST - GOOD

TEST CHARTED FOR OCD

PUMPED 40 BBLS OF BRINE WATER DWN TBG @ 4.5 BBLS MIN PSI = 700#

RIG DOWN PULLING AND REVERSE UNIT