

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

NOV 25 2013

RECEIVED

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

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

SUBSEQUENT REPORT OF:

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

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

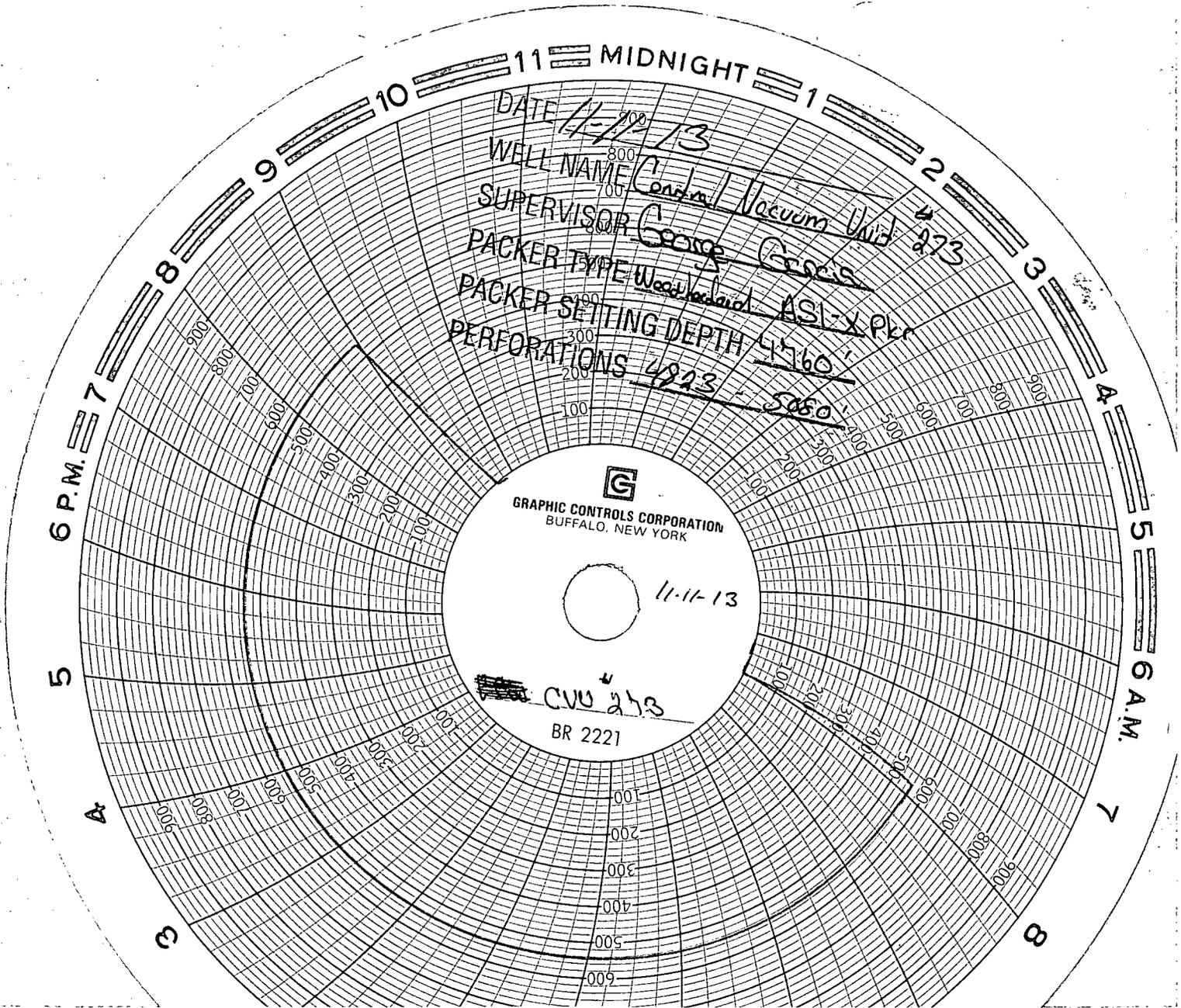
Type or print name DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375

For State Use Only

APPROVED BY: Mark Stata TITLE: Compliance Officer DATE: 11-26-2013

Conditions of Approval (if any):

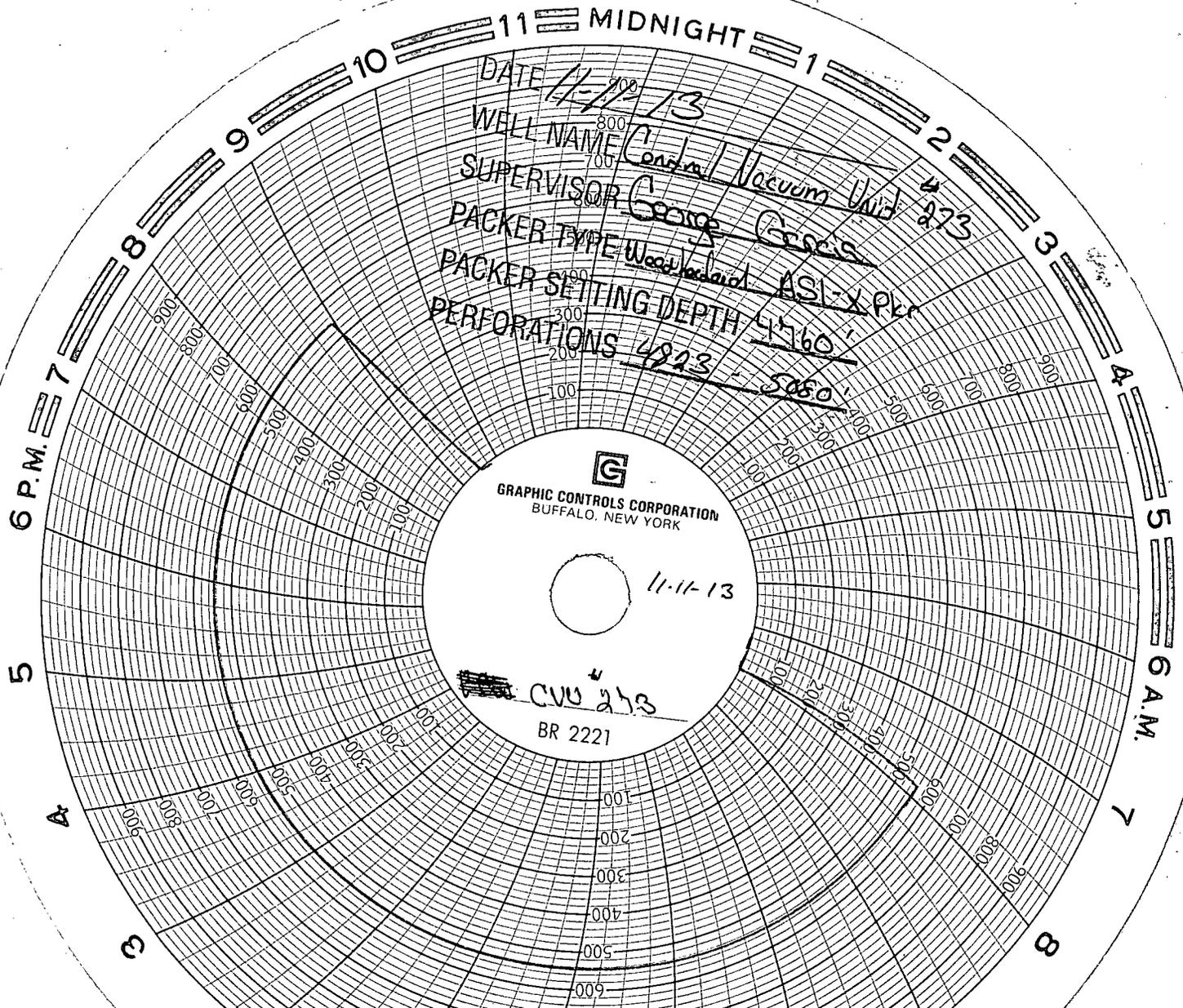
NOV 26 2013



DATE 11-11-13
 WELL NAME Central Vacuum Unit
 SUPERVISOR George
 PACKER TYPE Woodward ASI-X Pkr
 PACKER SETTING DEPTH 4760
 PERFORATIONS 4923 - 5060

G
 GRAPHIC CONTROLS CORPORATION
 BUFFALO, NEW YORK

11-11-13
 CUV 273
 BR 2221





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 LONG 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:

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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" IMPRESSION 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

ATTEMP 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

STING 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 unload 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 excelerator 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 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 SWÉVEL 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 TENÉT #9, HAZARD WHEEL #9, CALIPER 2 7/8" ELEVATOR.
WELL PPRESSION=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 STABLIZED 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

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Job End Date:

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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

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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)

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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

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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

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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)

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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 14" 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

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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	
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)

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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