

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 August 1, 2011

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

WELL API NO. 30-025-40466
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT
8. Well Number 274
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES

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.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTION	
2. Name of Operator CHEVRON U.S.A. INC.	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location Unit Letter E: 2033 feet from the NORTH line and 1187 feet from the WEST line Section 31 Township 17-S Range 35-E NMPM County LEA	
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 ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER:

AMENDED REPORT FOR DRILLING &  
OTHER SURFACE CSG SETTING

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.

8-29: TIH W/11 3/4", 42#, STC SURF CSG TO 1531'. (Original report stated that surface csg was set @ 525'. They had trouble setting the csg, and they washed & reamed csg from 525-1140, & then from 1140-1531') 8-30: CMT W/1300 SX 13.6PPG CMT. DRILL CMT 124-282, 534, 889, 1450. 9-01: RUN CBL. TOC @ 232. RUN 1" TBG TO 230. PUMP 12 BFW SPACE TO ESTAB CIRC, 170 SX 14.8PPG CMT @ 1 BPM. CMT TO SURF. 9-3: DRILL 1448-1535, 1545, 1802, 2117, 2725, 3155, 3224. 9-5: RAN 84 JTS 8 5/8", 32#, J-55, LTC CSG @ 3224. CMT W/300 SX, 1.97Y, 12.8PPG LEAD & 450 SX 1.51Y, 14.2PPG TAIL. FULL RETURNS THROUGHOUT, 47 BBLS CMT TO SURF. 9-7: DRILL 3224-3234, 3292, 3304-5240. 9-16: RUN 5 1/2", 17#, J-5, LTC CSG @ 5240. CMT W/800 SX 1.26Y, 13.5PPG LEAD & 300 SX 1.12Y, 16PPG TAIL. FULL RETURNS THROUGHOUT. 17 BBLS CMT TO SURF. 9-17: RIG DOWN. RELEASE RIG.

(DRILLING REPORTS ATTACHED FOR YOUR APPROVAL)

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: 05/20/2013

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

APPROVED BY [Signature] TITLE DIST. MGR DATE 10-16-2013

Conditions of Approval (if any):

WFX-901

OCT 16 2013



# Summary Report

Drill  
Drill and Suspend  
Job Start Date: 8/25/2012  
Job End Date: 9/18/2012

Well Name CENTRAL VACUUM UNIT 274		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent/Alaska	
Ground Elevation (ft) 3,974.00	Original RKB (ft) 3,992.40	Current RKB Elevation <elvother>, <elvdttmstart>		Mud Line Elevation (ft)	Water Depth (ft)

Report Start Date: 8/24/2012

Com

Wait on daylight.

Report Start Date: 8/25/2012

Com

Wait on daylight.

Move rig on to CVU 274 and rig up.

Continue to rig up on CVU 274.

Report Start Date: 8/26/2012

Com

Continue R/U to spud.

N/U Conductor & Flow Line, Strap and caliper BHA.

Pressure test surface equipment, Pre-spud checklist/repairs (H&P and Chevron).

M/U Bit #1 (14-3/4" Smith G25W, Jets: 3x13) & BHA.

Drig 76' - 131', Avg ROP = 36.7 fph, WOB = 12-18, ROT = 20-40, GPM = 200-500, MW = 8.4.

Report Start Date: 8/27/2012

Com

Drill from 131' to 899', AROP=51.2 fph, WOB=36, RPM= 120, GPM=610, MW=8.4.

Rig Service

Drill from 899' to 1060', AROP=64.4 fph, WOB=36, RPM= 120, GPM=610, MW=8.4.

Change out cuttings bin.

Circulate while Qmax repairs equipment.

Drill from 1060' to 1221', AROP=46 fph, WOB=36, RPM= 120, GPM=492, MW=8.4.

Report Start Date: 8/28/2012

Com

Drill 1221' - 1535', AROP=28.5 fph, WOB=36k, TD RPM=120, GPM=470, MW=8.4.

Pump sweep and circulate hole clean.

Rig Service.

Back ream out of hole from 1535' to 655'.

TOH from 655' to bit, Break bit and lay down shock sub.

Clean and clear rig floor for casing run.

Safety meeting for CRT and casing equipment rig up.

Rig up CRT, hydraulic slips and Express equipment.

Wait on CRT mechanic.

Report Start Date: 8/29/2012

Com

Repair 11 3/4" CRT dies and function test.

PJSM with rig crew and express on running 11-3/4" casing, Caliper elevators and casing.

TIH with 11-3/4" 42# STC surface casing to 525'.

Wash and ream casing from 525' to 1140'.

Report Start Date: 8/30/2012

Com

Wash and ream casing from 1140' to 1531'.

Circulate and condition, PJSM with rig crew and Schlumberger.

R/U cement equipment.

Pump 20 bbl fresh water spacer, 398 bbl (1300 sx) 13.6 ppg cement, drop plug & displace with 10 bbl of 10 ppg brine water.

After pumping 10 bbl brine, encountered sudden pressure spike from 285 psi to 2086 psi, shut down and bled off pressure. pumped 2000 psi, held and maintained for 15 minutes, bled off and repeated process. No pressure loss.

R/D cement equipment.

R/D conductor and flow line.

Cut 11-3/4" casing 1' above ground level.

Install conductor and flow line.

R/D CRT.

Rig service.

M/U bit & BHA - tagged plug @ 124'

Drill cement from 124' to 282', AROP=45.1 fph, WOB=20, RPM= 65, GPM=560, MW=8.4.

Report Start Date: 8/31/2012



# Summary Report

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Drill and Suspend  
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Job End Date: 9/18/2012

Well Name CENTRAL VACUUM UNIT 274		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent/Alaska	
Ground Elevation (ft) 3,974.00	Original RKB (ft) 3,992.40	Current RKB Elevation <elvothor>, <elvdttmstart>		Mud Line Elevation (ft)	Water Depth (ft)

Com					
Drill cement from 282' to 534', AROP=84 fph, WOB=26, RPM= 65, GPM=560, MW=9.0.					
Change out swivel packing.					
Drill cement from 534' to 889', AROP=71 fph, WOB=26, RPM= 75, GPM=560, MW=9.0.					
Cuttings bin under shakers overflowed 5 bbl, Cleaned up area, Changed shaker screens.					
Drill cement from 889' to 1450', AROP=102 fph, WOB=27, RPM= 75, GPM=560, MW=9.0.					
Rig service.					
Circulate hole clean.					
TOH from 1450' to 630'.					
Lay down collars and break bit.					
Wait on wireline loggers.					
Report Start Date: 9/1/2012					
Com					
Wait on loggers.					
PJSM with Schlumberger and rig crew, R/U wireline.					
Run CBL.					
*TOC at 232'.					
R/D wireline.					
R/U 1" tubing equipment, Discover wrong slips were delivered to location.					
*Note- Cementers not on location.					
Wait on 1" slips and cementers.					
Run 1" tubing to 230'.					
PJSM with Schlumberger and rig crew, R/U cement equipment.					
Top Job:					
Pump 12 bbl fresh water spacer to establish circulation, 40 bbl (170 sx) 14.8 ppg cement at 1 bpm, Cement to surface after 30 bbl, FCP-250 psi.					
Pull 1" tubing and rig down cement equipment.					
Cut conductor and weld on wellhead.					
PJSM with Monahan's nipple up crew and rig crew.					
Nipple up all BOPE.					
PJSM with BOP tester and rig crew.					
Test all BOPE(250 psi low/1500 psi high)					
Report Start Date: 9/2/2012					
Com					
Test all BOPE 250 psi low/1500 psi high. (Good test except manual IBOP).					
JSA on BHA pick up, Make 11" Security FX65DM (Jets-6x13) bit, TIH to 950'.					
TIH from 950' to 1402'.					
Test Annular, Pipe rams, and Manual IBOP 250 psi low/1500 psi high(Good test except manual IBOP).					
Wait on power line company to fix arcing power line.					
Finish Annular test, Test Accumulator					
Change out Manual IBOP.					
Rig service.					
Test Manual IBOP 250 psi low/1500 psi high(Good test).					
Slip and cut drill line.					
Displace fresh water with brine.					
Choke drill.					
Install rotating head.					
Wait on stand pipe pressure transducer.					
Report Start Date: 9/3/2012					
Com					
Drill cement from 1448' to 1535', AROP=43.5 fph, WOB=8, RPM= 40, GPM=300, MW=9.7.					
Drill from 1535' to 1545', AVG = 20 fph, WOB = 12K, RPM = 50, GPM = 230, MW = 9.8					
FIT = EMW 17 ppg, Pumped and held 560 psi, bled down to 542 (4% bleed off) over 30 min.					
Test good					
Drill from 1545' to 1802', AVG = 46 fph, WOB = 12K - 15K, RPM = 90, GPM = 588, MW = 9.8					
Flow increase - P/U and circ out CO2					
Drill from 1802' to 2117', AVG =90 fph, WOB = 12K - 15K, RPM = 90, GPM = 588, MW = 10					
Rig service					



# Summary Report

Drill

Drill and Suspend

Job Start Date: 8/25/2012

Job End Date: 9/18/2012

Well Name CENTRAL VACUUM UNIT 274		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent/Alaska	
Ground Elevation (ft) 3,974.00	Original RKB (ft) 3,992.40	Current RKB Elevation <elvothor>, <elvdttmstart>		Mud Line Elevation (ft)	Water Depth (ft)

Com

Drill from 2117' to 2725', AVG = 76 fph, WOB = 12K - 15K, RPM = 90, GPM = 588, MW = 10

Report Start Date: 9/4/2012

Com

Rotate drill f/ 2725' to 3155', AROP = 26, WOB = 18 - 20, SPP = 1900 - 1950, GPM = 587, TQ = 3500 - 7500, RPM = 84

Rig service and monitor well

Rotate drill f/ 3155' to 3224', AROP = 28, WOB = 18 - 20, SPP = 2200 - 2400, GPM = 587, TQ = 2200 - 8600, RPM = 84

CC Pump sweep to clean hole and determine wash out Drop Survey

Wait on gyro. CC hole and monitor well.

Lay down 1 jt of DP, R/U gyro tool and drop.

Report Start Date: 9/5/2012

Com

TOH f/ 3206' - 950'. Top of BHA.

Flow check @ 950'. Flow determined to be 0.5 bbl/hr, shut in well. Monitor pressure for 30 min - remained at 0 psi. Open well, determine to be water flow. Resume tripping while monitoring well.

Pull rotating head. TOH f/ 950' - surface. Retrieve gyro, brake bit

Install flow nipple and hydro slips. R/U CRT and csg tools.

Ran 84 jts of 8-5/8" 32# J-55 LTC csg. Tagged btm @ 3224'

Circulate 5000 strokes and monitor well

R/U cmt equipment

Cement:

Test lines to 3,000 psi. Pump 35 bbl spacer w/ green dye. Pump 20 bbl chemical wash. Mix &amp; pump 105 bbl (300 sx, 1.97 yld, 12.8 ppg) lead cement. Mix &amp; pump 121 bbl (450 sx, 1.51 yld, 14.2 ppg) tail cement. Drop plug. Displace with 192 bbl BW. Bump plug w/ 1140 psi (500 psi over). CIP = 22:40.

Packer:

Increase pressure to 1500 psi and hold. Gradually increase pressure. @ 1965 psi bag started inflating, shut pumps off, and hold at 1600 psi. Pump to 2500 psi (500 psi over), hold pressure, 0.5 bbl to inflate packer. Decrease pressure, check float - held, 1.5 bbl back. Full returns throughout, 47 bbl cmt to surface. R/D cement.

Report Start Date: 9/6/2012

Com

WOC. Wash out steel lines and BOP equipment. Wash tanks, transfer brine to active system.

Review JSA for N/U. Check N/U crew tools - not acceptable for job. Hammer wrenches ground down to half the thickness of factory condition. Hydraulic cylinder had a plate welded to the side. No inspections or certifications for modified tools. Make decision to use a different N/U crew. Wait on different N/U crew.

Remove hydraulic slips, flow nipple, accumulator lines, kill line and valves, and panic line. N/D BOP

Set slips, cut 8-5/8" csg, lay down csg jnt

R/D CRT

Review JSA for N/U. Set B section. Test t/ 2000 psi for 15 min - test good

N/U BOP. Install kill line valves, panic line, kill line, and flow line.

Installed Test Plug. Test TIW and DART to 3000 high/250 low. Test Choke Manifold, Floor Valves, T.D. Valves, Stand Pipe, 4" Mud Pumps, and Rams to 3,000 high/250 low. All test good.

\*Lower IBOP would not test. Replace lower IBOP

\*\*Note called OCD at 00:30 with results of the intermediate cement job.

Report Start Date: 9/7/2012

Com

Test annular to 1,500 high/250 low, and casing to 1,000 psi for 15 min. All test good.

Lower IBOP would not test. Replace lower IBOP

Test IBOP to 3000 high/250 low.

Rig service and monitor well

P/U 7-7/8" bit, motor, and MWD tools. Install hydraulic slips and MWD tool. TIH f/ surface - 100'. Test MWD tool - test good.

TIH f/ 100' - 3000'

Install rotating head. TIH f/ 3000' - 3130' tag float.

Conduct BOP and choke drill - test all lines. Tighten hammer union on 2" line to eliminate leak. No other leaks.

Drill shoe track and cmt f/ 3130' - 3224'.

Rotate drill f/ 3224' - 3234', AROP = 30, WOB = 0.1 - 1.9, SPP = 200 - 600, GPM = 376, TQ = 800 - 1050, RPM = 20. Perform a FIT @ 3234'. MW = 10 ppg. Pressured up in 50 psi increments up to 501 psi. EMW of 13 ppg.

Rotate drill f/ 3234' - 3292', AROP = 116, WOB = 13 - 16, SPP = 650 - 1050, GPM = 329, TQ = 3700 - 6000, RPM = 35

Slide drill f/ 3292' to 3304', AROP = 8, WOB = 10 - 12, SPP = 900 - 1200 psi., GPM = 375, TD TQ = 2000 - 3000, MM RPM = 52

Rig service and monitor well



# Summary Report

Drill  
Drill and Suspend  
Job Start Date: 8/25/2012  
Job End Date: 9/18/2012

Well Name CENTRAL VACUUM UNIT 274		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent/Alaska	
Ground Elevation (ft) 3,974.00	Original RKB (ft) 3,992.40	Current RKB Elevation <elvother>, <elvdttmstart>		Mud Line Elevation (ft)	Water Depth (ft)

Com					
Rotate drill f/ 3304' - 3330', AROP = 13, WOB = 12 - 14, SPP = 900 - 1200, GPM = 375, TQ = 3500 - 5500, RPM = 35					
Slide drill f/ 3330' to 3345', AROP = 15, WOB = 11 - 14, SPP = 900 - 1300 psi., GPM = 375, TD TQ = 2000 - 3000, MM RPM = 52					
Rotate drill f/ 3345' - 3378', AROP = 22, WOB = 7 - 10, SPP = 900 - 1200, GPM = 350, TQ = 3500 - 5400, RPM = 35					
Slide drill f/ 3378' to 3393', AROP = 10, WOB = 8 - 10, SPP = 800 - 1100 psi., GPM = 350, TD TQ = 2500 - 3500, MM RPM = 49					
Rotate drill f/ 3393' - 3423', AROP = 20, WOB = 10 - 12, SPP = 850 - 1300, GPM = 353, TQ = 3000 - 7000, RPM = 35					
Slide drill f/ 3423' to 3430', AROP = 10, WOB = 7 - 10, SPP = 800 - 1200 psi., GPM = 350, TD TQ = 2500 - 4000, MM RPM = 49					
Report Start Date: 9/8/2012					

Com					
Slide drill f/ 3430' to 3438', AROP = 16, WOB = 7.5 - 9.5, SPP = 800 - 1200 psi., GPM = 353, TD TQ = 3000 - 3600, MM RPM = 49					
Rotate drill f/ 3438' - 3469', AROP = 20, WOB = 10 - 12, SPP = 850 - 1300, GPM = 353, TQ = 3000 - 7000, RPM = 35					
Slide drill f/ 3469' to 3484', AROP = 15, WOB = 7.5 - 10, SPP = 850 - 1100 psi., GPM = 353, TD TQ = 2200 - 3200, MM RPM = 49					
Rotate drill f/ 3484' - 3514', AROP = 20, WOB = 6.5 - 10, SPP = 900 - 1200, GPM = 353, TQ = 3000 - 5000, RPM = 35					
Slide drill f/ 3514' to 3530', AROP = 11, WOB = 8 - 12, SPP = 800 - 1200 psi., GPM = 353, TD TQ = 2000 - 3500, MM RPM = 49					
Rotate drill f/ 3530' - 3559', AROP = 30, WOB = 11 - 13, SPP = 850 - 1300, GPM = 353, TQ = 3500 - 7000, RPM = 35					
Slide drill f/ 3559' to 3575', AROP = 4, WOB = 9 - 11, SPP = 850 - 1200 psi., GPM = 353, TD TQ = 2500 - 3500, MM RPM = 49					
Rotate drill f/ 3575' - 3604', AROP = 29, WOB = 12 - 14, SPP = 900 - 1300, GPM = 353, TQ = 3500 - 7000, RPM = 35					
Slide drill f/ 3604' to 3622', AROP = 12, WOB = 11 - 14.5, SPP = 700 - 900 psi., GPM = 400, TD TQ = 2000 - 3000, MM RPM = 56					
Rotate drill f/ 3622' - 3649', AROP = 27, WOB = 12 - 14, SPP = 1200 - 1600, GPM = 400, TQ = 4000 - 6000, RPM = 35					
Slide drill f/ 3649' to 3674', AROP = 17, WOB = 10 - 13, SPP = 1100 - 1400 psi., GPM = 400, TD TQ = 3000 - 3500, MM RPM = 56					
Rotate drill f/ 3674' - 3689', AROP = 15, WOB = 11 - 14, SPP = 1100 - 1400, GPM = 400, TQ = 4000 - 6000, RPM = 35					
Slide drill f/ 3689' to 3714', AROP = 25, WOB = 8 - 11, SPP = 1200 - 1500 psi., GPM = 424, TD TQ = 2500 - 3000, MM RPM = 59					
Rotate drill f/ 3714' - 3735', AROP = 42, WOB = 12 - 14, SPP = 1100 - 1400, GPM = 400, TQ = 3500 - 5500, RPM = 35					
Slide drill f/ 3735' to 3757', AROP = 11, WOB = 9 - 11, SPP = 1200 - 1500 psi., GPM = 424, TD TQ = 2000 - 2500, MM RPM = 59					
Rotate drill f/ 3757' - 3785', AROP = 28, WOB = 14 - 16, SPP = 1200 - 1500, GPM = 424, TQ = 4000 - 6500, RPM = 35					
Slide drill f/ 3785' to 3808', AROP = 6.6, WOB = 11 - 13, SPP = 1200 - 1500 psi., GPM = 424, TD TQ = 800 - 1200, MM RPM = 59					
Rotate drill f/ 3808' - 3830', AROP = 44, WOB = 14 - 16, SPP = 1300 - 1700, GPM = 424, TQ = 4000 - 7500, RPM = 35					
Slide drill f/ 3830' to 3832', AROP = 4, WOB = 5 - 9, SPP = 1200 - 1600 psi., GPM = 424, TD TQ = 424 - 1800, MM RPM = 59					
Report Start Date: 9/9/2012					

Com					
Slide drill f/ 3832' to 3846', AROP = 14, WOB = 7 - 10, SPP = 1200 - 1700 psi., GPM = 423, TD TQ = 2600 - 3300, MM RPM = 60					
Rotate drill f/ 3846' - 3875', AROP = 29, WOB = 3 - 9, SPP = 1300 - 1750, GPM = 424, TQ = 3500 - 6500, RPM = 35					
Slide drill f/ 3875' to 3887', AROP = 8, WOB = 7 - 10, SPP = 1200 - 1600 psi., GPM = 424, TD TQ = 1200 - 1700, MM RPM = 60					
Rotate drill f/ 3887' - 3920', AROP = 22, WOB = 13 - 16, SPP = 1100 - 1500, GPM = 424, TQ = 3400 - 7000, RPM = 35					
Slide drill f/ 3920' to 3932', AROP = 6, WOB = 11 - 16, SPP = 1100 - 1500 psi., GPM = 400, TD TQ = 1900 - 2500, MM RPM = 56					
Rotate drill f/ 3932' to 3960', AROP = 28, WOB = 13 - 16, SPP = 1200 - 1600 psi., GPM = 400, TQ = 4000 - 8000, RPM = 35					
Slide drill f/ 3960' - 3972', AROP = 12, WOB = 10 - 12, SPP = 1100 - 1600, GPM = 400, TD TQ = 2200 - 2400, MM RPM = 56					
Rotate drill f/ 3972' to 4005', AROP = 17, WOB = 13 - 16, SPP = 1400 - 1800 psi., GPM = 400, TQ = 4500 - 7000, RPM = 35					
Slide drill f/ 4005' - 4017', AROP = 24, WOB = 10 - 13, SPP = 1200 - 1600, GPM = 400, TD TQ = 2200 - 2500, MM RPM = 56					
Rotate drill f/ 4017' to 4050', AROP = 22, WOB = 14 - 17, SPP = 1400 - 1800 psi., GPM = 400, TQ = 4000 - 8000, RPM = 35					
Slide drill f/ 4050' - 4062', AROP = 12, WOB = 11 - 13, SPP = 1400 - 1800, GPM = 400, TD TQ = 2200 - 2400, MM RPM = 56					
Rotate drill f/ 4062' to 4126', AROP = 21, WOB = 16 - 18, SPP = 1500 - 1850 psi., GPM = 400, TQ = 4600 - 7600, RPM = 35					
Rig service and monitor well.					
Rotate drill f/ 4126' to 4171', AROP = 22, WOB = 16 - 18, SPP = 1300 - 1800 psi., GPM = 400, TQ = 3800 - 6000, RPM = 35					
Slide drill f/ 4171' - 4181', AROP = 3, WOB = 10 - 12, SPP = 1400 - 1700, GPM = 400, TD TQ = 1200 - 1300, MM RPM = 56					
Rotate drill f/ 4181' to 4209', AROP = 28, WOB = 16 - 19, SPP = 1550 - 1800 psi., GPM = 400, TQ = 4500 - 6500, RPM = 35					
Report Start Date: 9/10/2012					

Com					
Rotate drill f/ 4209' to 4211', AROP = 4, WOB = 15 - 19, SPP = 1600 - 1800 psi., GPM = 400, TQ = 4500 - 6500, RPM = 35					
Safety stand down. H2S alarms sounded. All personnel safely made it to the muster area and were accounted for. Highest reading from H2S sensors registered at 15 ppm. DXP Indian Fire and Safety was notified and a technician along with a cascade trailer came to location. A safety meeting was held to discuss the H2S issue and potential hazards associated with it. The location safety representative and technician dawned SCBAs and extensions for hand held gas detectors. The rig floor and sub base sensor were indicating 2 - 3 ppm H2S. Once the SCBAs were properly fitted and checked, both DXP representatives left the safe zone in tandem. They checked the rig floor, possum bellies, shakers, pits, cuttings bins, cellar, and other work locations for H2S. No H2S was detected in any of the areas. Upon returning to the safe zone, a safety meeting was held with all parties discussing what occurred, dangers associated with H2S, and future operations. The DXP technician will stay on location. Both the location safety representative and technician are continuously checking the possum bellies/shakers and pits with hand held gas detectors. Resumed drilling. The rig floor and sub base sensors still read 2 - 3 ppm, but the hand held gas detectors did not read any H2S. DXP Indian Fire and Safety was notified and another technician is being dispatched to location to replace the rig floor and sub base sensors.					



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Com

Rotate drill f/ 4211' to 4220', AROP = 18, WOB 18 - 20, SPP = 1200 - 1600 psi., GPM = 352, TQ = 4500 - 6000, RPM = 35  
Slide drill f/ 4220' - 4230', AROP = 4, WOB = 18 - 20, SPP = 1200 - 1500, GPM = 352, TD TQ = 2500 - 3000, MM RPM = 50  
Rotate drill f/ 4230' to 4276', AROP = 19, WOB 18 - 20, SPP = 1200 - 1700 psi., GPM = 340, TQ = 4500 - 7000, RPM = 35  
Slide drill f/ 4276' - 4286', AROP = 6, WOB = 15 - 18, SPP = 1500 - 1800, GPM = 400, TD TQ = 1800 - 2200, MM RPM = 56  
Rotate drill f/ 4286' to 4323', AROP = 18, WOB 18 - 20, SPP = 1500 - 1850 psi., GPM = 400, TQ = 4300 - 6000, RPM = 35  
Slide drill f/ 4323' - 4330', AROP = 4, WOB = 15 - 17, SPP = 1200 - 1500, GPM = 352, TD TQ = 1900 - 2200, MM RPM = 50  
Rotate drill f/ 4330' to 4372', AROP = 16, WOB 18 - 20, SPP = 1200 - 1550 psi., GPM = 340, TQ = 4200 - 6000, RPM = 35  
Slide drill f/ 4372' - 4380', AROP = 8, WOB = 15 - 17, SPP = 1100 - 1500, GPM = 340, TD TQ = 3000 - 3200, MM RPM = 48  
Rotate drill f/ 4380' to 4410', AROP = 60, WOB 17 - 20, SPP = 1100 - 1500 psi., GPM = 340, TQ = 3700 - 6500, RPM = 35

Rig service and monitor well.

Rotate drill f/ 4395' to 4410', AROP = 30, WOB 17 - 20, SPP = 1150 - 1500 psi., GPM = 340, TQ = 3500 - 7000, RPM = 35  
Slide drill f/ 4410' - 4424', AROP = 9, WOB = 21 - 23, SPP = 1550 - 1800, GPM = 400, TD TQ = 2500 - 4000, MM RPM = 56  
Rotate drill f/ 4424' to 4455', AROP = 20, WOB 13 - 15, SPP = 1500 - 1800 psi., GPM = 400, TQ = 3800 - 5800, RPM = 35  
Slide drill f/ 4455' - 4463', AROP = 8, WOB = 15 - 18, SPP = 1550 - 1850, GPM = 400, TD TQ = 1700 - 2400, MM RPM = 56  
Rotate drill f/ 4463' to 4501', AROP = 38, WOB 14 - 16, SPP = 1600 - 1900 psi., GPM = 400, TQ = 1800 - 1900, RPM = 35  
Slide drill f/ 4501' - 4503', AROP = 2, WOB = 8 - 12, SPP = 1500 - 1750, GPM = 400, TD TQ = 750 - 900, MM RPM = 56

Report Start Date: 9/11/2012

Com

Rotate drill f/ 4503' to 4510', AROP = 14, WOB 4 - 6, SPP = 1550 - 1800 psi., GPM = 400, TQ = 3000 - 6000, RPM = 35  
Slide drill f/ 4510' - 4515', AROP = 10, WOB = 6 - 9, SPP = 1500 - 1800, GPM = 400, TD TQ = 1650 - 1750, MM RPM = 56  
Rotate drill f/ 4515' to 4551', AROP = 18, WOB 15 - 17, SPP = 1600 - 2000 psi., GPM = 400, TQ = 3000 - 6000, RPM = 35  
Slide drill f/ 4551' - 4553', AROP = 2, WOB = 2 - 6, SPP = 1500 - 1700, GPM = 400, TD TQ = 3500 - 7200, MM RPM = 56  
Rotate drill f/ 4553' to 4576', AROP = 23, WOB 16 - 19, SPP = 1600 - 1900 psi., GPM = 400, TQ = 4500 - 6000, RPM = 35

Made connection @ 4,576' and took survey after survey drill string would not reciprocate or rotate. Worked pipe @ 4,578' to 4,579' while building a pill 20 bbls 11.5ppg brine with 3 bbls of diesel. Pumped pill let pill heal for 30 min. Worked pipe with and with and without torque from 4,578' to 4,582'. Max over pull 40K over. Pumped second 20 bbl brine water pill with 5 bbl diesel around BHA and worked pipe max over pull 100K max torque 14K. Work pipe in oscillation mode Max over pull 135K max torque 14K. Built 40 bbl of field crude oil - spot 20 bbl in annulus to cover BHA and 20 bbl inside pipe. Crude oil in place @ 11:45. Pump 1 bbl out drill string every 30 mins. Worked pipe in oscillation mode, work drill string with and without torque pump remainder of field crude oil out of drill string 10bbls. Max over pull 180K max torque 16K. While working drill string pipe came free @ 19:45 @ pulled 114K over pull and 14K torque. Hoisted drill string no overpull or torque observed. Circulate well bore clean no issues.

Circulate and condition hole while keeping the pipe moving.

TOH f/ 4576' - 3584'.

Report Start Date: 9/12/2012

Com

TOH f/ 3584' - surface. Break out MWD tools, rotating head, motor, and bit.

Rig service and monitor well.

Lay out BHA and make bit.

TIH f/ surface - 100'. Test MWD tool - test good

TIH f/ 100' - 400'

Adjust DC slips and wedding band for 4-7/8". TIH f/ 400' - 4357'.

Remove hydraulic slips and install rotating head

TIH f/ 4357' - 4400'

TIH, wash and ream f/ 4357' - 4576'

C&C, 3 B/U

Rig service and monitor well.

Rotate drill f/ 4576' to 4595', AROP = 38, WOB 9 - 10, SPP = 1700 - 1900 psi., GPM = 400, TQ = 2500 - 7000, RPM = 35

C&C. Pump 10 bbl sweep w/ lubricator. Decrease torque. Pump 5 bbl sweep w/ lubricator

Rotate drill f/ 4595' to 4633', AROP = 8, WOB 14 - 16, SPP = 1700 - 1950 psi., GPM = 400, TQ = 2000 - 9000, RPM = 35

Report Start Date: 9/13/2012

Com

Rotate drill f/ 4633' to 4837', AROP = 15, WOB 7 - 10, SPP = 1900 - 2200 psi., GPM = 400, TQ = 1500 - 8500, RPM = 40

\*Continuously pumping sweeps w/ lubricator and nut plug. Began starching up @ 4675' to reduce water loss

Pulled 7' off btm to take survey. After survey, drill string would not reciprocate or rotate. Work pipe, jar, and pump sweeps w/ glass beads and lubricator. Built 40 bbl of field crude oil - spot 30 bbl in annulus to cover BHA and 10 bbl inside pipe. Crude oil in place @ 19:30. Pump 1 bbl out drill string every 30 mins. Jar drill string, pump remainder of field crude oil out of drill string 10 bbls.

Work pipe and jar. Max string weight 92K, max overpull 135K

Report Start Date: 9/14/2012



# Summary Report

Drill  
Drill and Suspend  
Job Start Date: 8/25/2012  
Job End Date: 9/18/2012

Well Name CENTRAL VACUUM UNIT 274		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent/Alaska	
Ground Elevation (ft) 3,974.00	Original RKB (ft) 3,992.40	Current RKB Elevation <elvother>, <elvdttmstart>		Mud Line Elevation (ft)	Water Depth (ft)

Com					
Work pipe and jar. Max string weight 92K, max overpull 150K					
Continue cleaning hole. R/U acid truck and equipment					
Pumped 40 bbl acid and spot around BHA.					
Jar drill string until unstuck					
C&C. Recondition mud					
Rotate drill f/ 4837' to 4885', AROP = 12, WOB 5 - 7, SPP = 1900 - 2100 psi., GPM = 400, TQ = 1500 - 8000, RPM = 35					
*Add nut plug, beads, and lubricator to mud.					
Rig service and monitor well.					
Rotate drill f/ 4885' to 4940', AROP = 9, WOB 12 - 16, SPP = 1900 - 2200 psi., GPM = 400, TQ = 1500 - 9000, RPM = 35					
Report Start Date: 9/15/2012					
Com					
Rotate drill f/ 4940' to 5198', AROP = 15, WOB 13 - 15, SPP = 1800 - 2200 psi., GPM = 400, TQ = 1500 - 8500, RPM = 36					
Rig service and monitor well.					
Rotate drill f/ 5198' to 5240', AROP = 12, WOB 14 - 16, SPP = 1900 - 2200 psi., GPM = 400, TQ = 1000 - 8700, RPM = 36					
C&C, pump sweeps.					
TOH f/ 5240' - 4325'					
Report Start Date: 9/16/2012					
Com					
TOH f/ 4325' - 429'					
Pull hydraulic slips and rotating head					
TOH f/ 429' - surface. Lay down directional tools and break bit.					
Prep rig floor for csg job. Dress hydraulic slips. R/U CRT and tongs					
Run 8 jnts of 5-1/2" 17# J-55 LTC csg f/ surface - 321'					
Troubleshoot csg tongs. Optimum torque applied to 5-1/2" csg connections from casing tongs left 3 or 4 threads showing. Connections made by CRT left only 1 thread showing. R/D casing tongs and continue using CRT for connections.					
Run 20 jnts of 5-1/2" 17# J-55 LTC csg, 22 jnts ryt-wrap 5-1/2" 17# J-55 LTC, and 1 marker jnt f/ 321' - 2000'.					
Rig service and monitor well.					
Run 77 jnts of 5-1/2" 17# J-55 LTC csg f/ 2000' - 5240'					
Make up landing jnt					
Report Start Date: 9/17/2012					
Com					
Finish making up landing joint and test hanger assembly / test good					
C&C. Pump sweeps.					
R/U cmt equipment. Mix tail cement					
Cement: Test lines to 5,000 psi. Pump 15 bbl spacer. Pump 50 bbl mudpush. Mix & pump 181 bbl (800 sx, 1.26 yld, 13.5 ppg) lead cement. Mix & pump 60 bbl (300 sx, 1.12 yld, 16 ppg) tail cement. Drop plug. Displace with 3 bbl fresh water, 7 bbl acetic acid, then 107.5 bbl fresh water. Bump plug w/ 2120 psi (500 psi over). CIP = 05:00.					
Packer: Increase pressure to 3000 psi and hold. Gradually increase pressure, @ 3300 psi bag started inflating, shut pumps off, and hold at 3175 psi. Pump to 3800 psi (500 psi over), hold pressure, 0.75 bbl to inflate packer. Pump to 4246 psi. Decrease pressure, check float - held, 2 bbl back. Full returns throughout, 17 bbl cmt to surface. R/D cement.					
R/D CRT. Lay down landing jnt,					
Remove accumulator lines, flow line, and chains					
Set BPV.					
N/D BOP & Clean pits. Install tubing head and test void to 5000 psi - test good.					
Rig down and Move misc. rig equipment to the CVU 276. Wash tanks					
Cont to rig down Rig 355, Wash Rig mud tanks, and haul mud out of Frac tanks					
**Note called OCD at 07:30 with results of the production cement job.					