Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMNM113943

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SKEEN 23 26 26 FEDERAL 6H

2. Name of Operator
CHEVRON U.S.A. INC.
Contact: BRITANY CORTEZ
E-Mail: bcortez@chevron.com

9. API Well No.
30-015-42883

3a. Address
15 SMITH ROAD
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-687-7415

10. Field and Pool, or Exploratory
WELCH; BONE SPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 23 T26S R26E Mer NMP 330FSL 660FWL

11. County or Parish, and State
EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

3/22/15- Drill surface hole from 119'-395'
3/24/15- Ran 13 3/8" surface csg set @ 382' Test surface lines to 2000 psi, cmt w/ 20 bbls spacer,490 sx of 14.8 ppg tail, 48 bbls displacement, bump plug w/ 500 psi bled back 1 bbl. Float held. 200 sx cmt to surface.
3/26/15- Test surface csg to 1200 psi for 30 minutes bled off 200 psi on 1st attempt, held on second attempt.
3/27/15-3/29/15- Drilled 405'-1925'. Ran 9 5/8" 40lb HCK 55, LT&C intermediate csg set @ 1915'. Cmt/ 20 bbl spacer with dye, 445 sx of 13.7 ppg lead and 315 sx of 14.8 ppg tail, 138.3 bbls of displacement w/ fw. Bump plug at 830 PSI, held 500 PSI for 5 minutes. Bled back 1 bbl, float held. 197 sx cmt to surface. WOC 18 hours.
3/31/15-4/15/15- Drilled 1935'-12,122'
4/16/15- Ran 5 1/2" 17lb, HCP110 CDC production csg set @ 12093'. Cmt w/ 10 bbls fw spacer, 20 bbls

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 3 2015
RECEIVED

8/12/15
Accepted for record
NMOCD

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

Electronic Submission #306423 verified by the BLM Well Information System
For CHEVRON U.S.A. INC., sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 07/10/2015 ()

Name *(Printed/Typed)* BRITANY CORTEZ — Title REGULATORY SPECIALIST

Signature (Electronic Submission) — Date 06/24/2015

ACCEPTED FOR RECORD
JUL 28 2015
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 ****

Additional data for EC transaction #306423 that would not fit on the form

32. Additional remarks, continued

tuned spacer, 980 sx of 11.3 lb lead and 870 sx of 12.5 lb lead 2, 100 sx of 15 lb tail, 282.5 bbls fw displacement. Did not bump plug, total volume displaced 284 bbls. FCP- 968 psi held for 5 minutes, bled back 1.5 bbls, lost returns 206 bbls into displacement of fw (228 bbls into displacement total) Initial pump rate (bbls/min) is 6. Final pump rate is 4 (bbls/min). Final pump pressure is 968 psi.
4/17/15- Release rig @ 19:30 hrs

Chevron

Casing Summary

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Conductor, Planned?-N, 80ftKB

Set Depth (MD) (ftKB)	Set Tension (kips)	String Nominal OD (in)	String Min Drift (in)	Centralizers	Scratchers
80		20	18.937		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
2	Conductor Pipe	20	19.124	94.00	H-40		22	80	58.00	2,110.0	520.0

Surface, Planned?-N, 382ftKB

Set Depth (MD) (ftKB)	Set Tension (kips)	String Nominal OD (in)	String Min Drift (in)	Centralizers	Scratchers
382		13 3/8		5	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
0	Landing Joint	13 3/8	12.715	48.00	H-40	ST&C	-342	-342	0.00		740.0
0	Landing Joint	13 3/8	12.715	48.00	H-40	ST&C	-342	-342	0.00		740.0
1	Wellhead	13 3/8	12.715	48.00	H-40	ST&C	-342	-338	3.37		740.0
1	Wellhead	13 3/8	12.715	48.00	H-40	ST&C	-338	-335	3.37		740.0
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40	ST&C	-335	-330	5.20		740.0
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40	ST&C	-330	-325	5.20		740.0
7	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	-325	-52	272.83		740.0
7	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	-52	224	276.13		740.0
1	Float Collar	13 3/8	12.715	48.00	H-40	ST&C	224	226	1.38		740.0
1	Float Collar	13 3/8	12.715	48.00	H-40	ST&C	226	227	1.38		740.0
2	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	227	303	75.92		740.0
2	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	303	379	75.92		740.0
1	Float Shoe	13 3/8	12.715	48.00	H-40	ST&C	379	380	1.54		740.0
1	Float Shoe	13 3/8	12.715	48.00	H-40	ST&C	380	382	1.54		740.0

Intermediate Casing 1, Planned?-N, 1,915ftKB

Set Depth (MD) (ftKB)	Set Tension (kips)	String Nominal OD (in)	String Min Drift (in)	Centralizers	Scratchers
1,915		9 5/8		12	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
0	Landing Joint	9 5/8	8.835	40.00	HCK55	LTC	22	22	0.00		
1	Pup Joint	9 5/8	8.835	40.00	HCK55	LTC	22	27	4.51		
40	Casing Joint	9 5/8	8.835	40.00	HCK55	LTC	27	1,825	1,798.43		
1	Casing Collar	9 5/8	8.835	40.00	HCK55	LTC	1,825	1,826	1.44		
2	Casing Joint	9 5/8	8.835	40.00	HCK55	LTC	1,826	1,913	86.96		
1	Casing Shoe	9 5/8	8.835	40.00	HCK55	LTC	1,913	1,915	1.63		

Production Casing, Planned?-N, 12,093ftKB

Set Depth (MD) (ftKB)	Set Tension (kips)	String Nominal OD (in)	String Min Drift (in)	Centralizers	Scratchers
12,093		5 1/2	4.781	122	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
0	Landing Joint	5 1/2	4.892	17.00	HCP-110	CDC	22	22	0.00	10,640.0	8,580.0
1	Hanger	5 1/2	4.892	17.00	HCP-110	CDC	22	22	0.31	10,640.0	8,580.0
1	Pup	5 1/2	4.892	17.00	HCP-110	CDC	22	27	5.21	10,640.0	8,580.0
165	Casing Joint	5 1/2	4.892	17.00	HCP-110	CDC	27	6,670	6,642.49	10,640.0	8,580.0
1	Marker	5 1/2	4.892	17.00	HCP-110	CDC	6,670	6,680	9.66	10,640.0	8,580.0
131	Casing Joint	5 1/2	4.892	17.00	HCP-110	CDC	6,680	11,893	5,213.76	10,640.0	8,580.0
1	Pup	5 1/2	4.892	17.00	HCP-110	CDC	11,893	11,903	9.96	10,640.0	8,580.0
1	RSI	5 1/2	4.892	17.00	HCP-110	CDC	11,903	11,909	5.50	10,640.0	8,580.0
1	Pup	5 1/2	4.892	17.00	HCP-110	CDC	11,909	11,919	10.00	10,640.0	8,580.0
1	Casing Joint	5 1/2	4.892	17.00	HCP-110	CDC	11,919	11,957	37.97	10,640.0	8,580.0
1	Pup	5 1/2	4.892	17.00	HCP-110	CDC	11,957	11,966	9.58	10,640.0	8,580.0
1	Landing Collar	5 1/2	4.892	17.00	HCP-110	CDC	11,966	11,968	1.51	10,640.0	8,580.0
1	Casing Joint	5 1/2	4.892	17.00	HCP-110	CDC	11,968	12,007	39.26	10,640.0	8,580.0
1	Float Collar	5 1/2	4.892	17.00	HCP-110	CDC	12,007	12,009	2.01	10,640.0	8,580.0
2	Casing Joint	5 1/2	4.892	17.00	HCP-110	CDC	12,009	12,091	81.44	10,640.0	8,580.0
1	Float Shoe	5 1/2	4.892	17.00	HCP-110	CDC	12,091	12,093	2.50		

Report Printed: 6/24/2015

Chevron

Summary Report

Drill
Drill and Suspend
Job Start Date: 3/4/2015
Job End Date: 4/17/2015

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Report Start Date: 3/4/2015

Com

Load out/ move in Nabors camp, shaker house, mud pits, daytank, gas buster skid, and one mud pump on Skeen 23-26-26 FED 006H.

First trucks left yard @ 1030.
First trucks on location @ 1330.
10 loads delivered.

WOD

Report Start Date: 3/5/2015

Com

WOD

Load out/ move in derrick, gens, VFD, mud pump, diesel tank, drawworks, pipe wrangler, doghouse, and other misc loads.

Sub staged off location.

Set in mud pumps, VFD, day tank, mud pumps, gens, and mats for sub.

First trucks on location @ 1030.
4 loads left in yard.

WOD

Report Start Date: 3/6/2015

Com

WOD

Move in last 4 loads from yard. Set in sub, center steel, doghouse, and HPU.

Hook up Hydraulic lines to sub. Wire up trip tank.

Inspect welds in Derrick and Crown.

Install new nuts on crown bolts and sheeve clusters.

Drive ground rods.

String up derrick

First trucks on location @ 0800.

WOD

Report Start Date: 3/7/2015

Com

WOD

Worked on installing new lights and repairing electrical cables.

Installed weight bucket sheeves in derrick. Installed tong cables and sala blocks in derrick.

Began hooking up electrical cables.

Rig QA began conducting rig inspection.

WOD

Report Start Date: 3/8/2015

Com

WOD.
Lost 1 hour due to day light savings.

Install new fuel hoses. R/U diesel tank and HPU.

Pin and dress derrick. Replace bolts and safety keepers in derrick found during Rig QA inspection. Install new stand pipe jumper hose. Raise derrick.

Electricians working on installing new lights. Welders working on repairs.

WOD

Report Start Date: 3/9/2015

Com

WOD

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
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Com
Rig up and prepared subs to be raised. Raise subs. Change out valves on mud tanks. Welders repairing hand rails and replacing hammer unions. Fabricated and hung new shaker slides. Move in and set up Tervita solids control equipment.
WOD

Report Start Date: 3/10/2015

Com
WOD
Rig up and install BOP on wrangler, Install Pragma. Hook-up wires on rig floor. Electricians working on misc. and welders working on gas buster lines. Start up and test run rig gens.
WOD

Report Start Date: 3/11/2015

Com
WOD
Prepare derrick and floor to scope out. Scope out derrick. Work with welder and electricians on repairs/upgrades. Work with mechanic on motors. Remove drag chain from derrick. Work on installing new floor hoists and man rider. Install new drag chain in derrick.

Report Start Date: 3/12/2015

Com
Work with cranes on rigging up gas buster lines and changing out blower motors on draw works. Work with welders on rebuilding covers for mud pumps and stair for FVD. Work with electrician wiring up blowers. Work with CanRig techs on changing out cables and doing inspection on pragma. Work on items on RigQA defect tracking list.

Report Start Date: 3/13/2015

Com
Change out valves on mud system. Work with pace tech on TM-80. Work with welders on repairs. Begin fabrication and install of flare and panic lines. Work with mechanics on mud pumps. Work with CanRig on pragma inspection and repairs. Work on worklist. Mechanic worked on air compressors.

Report Start Date: 3/14/2015

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
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Com
Build and install new tongs. Inspect and service TDS.
Remove and install new wear plate liner retention assemblies. Change out pulsation dampeners and charge to 1000 psi. Install new liners, valves, and seats in mud pumps.
Continue fabrication of flare and panic lines.
Change anti-freeze and flush radiators on rig gens.
Electricians working on easy page system and installing new lights.
Received 6.5" collars and unload on location.
Cont. work on rig inspection/work lists
Report Start Date: 3/15/2015
Com
Finish dressing mud pumps.
Install new air lines.
Install new water lines and replace damaged valves.
Put F/W in mud pits. Run out mix pumps, hopper pumps, desilter and desander pumps.
Put desander and desilter units back together.
Replace mudline valves and hook-up remaining hoses.
Run out mud pumps.
Begin dressing TDS and rig floor.
Conduct rig inspection and work on punch list items.
Report Start Date: 3/16/2015
Com
Complete R/U of rig floor. Install new kelly hose.
Perform TDS inspection. Replace damaged and missing cables and keepers.
Work with Miswaco on hydraulic choke installation and shaker repairs.
Work with welder on repairing union on mud line and other repairs. Conduct weld inspection on mud line.
Work with Pace tech on HPU unit.
Welders working on conductor cut off and conductor riser fabrication.
Work on punch list items.
Report Start Date: 3/17/2015
Com
Begin commissioning rig equipment. R/U reserve mud tanks and manifold. Finish shaker repairs. Complete flare and panic line installation,
Running out pumps & top drive under load: 70 / 70 w/2500 psi, starting rotary @ 120 RPM & slowing down to 50 RPM.
Report Start Date: 3/18/2015
Com
Run MP @ 70 / 70 at 2500 psi while working TD under load
Troubleshoot interlock faults on MP & TD preventing completion of runnout.
Run MP @ 70 / 70 at 2500 psi while working TD under load
Troubleshoot interlock faults on both preventing completion of runnout.
Report Start Date: 3/19/2015
Com
Troubleshoot interlock faults on both preventing completion of runnout.
Run MP @ 70 / 70 at 2500 psi while working TD under load
Continue R/U miscellaneous, conduct pre-spud inspection, work punchlist items.
Report Start Date: 3/20/2015

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Continue R/U miscellaneous, conduct pre-spud inspection, work punchlist items. L/O & strap BHA, conduct pre-spud inspection, correct findings. **Made spud notification to Jose Caenz with BLM @ 08:00 on 3-20-15. Permission given to spud within the 24hr period of this notification.**
Waiting on welder to modify conductor riser.
Modifying conductor pipe for installation.
Report Start Date: 3/21/2015
Com
Modify conductor riser, fix leak on top drive, R/U flow line to conductor, complete corrections from inspections.
Repairing leak a 4" valve on standpipe ODS.
Complete repairs from inspections, R/U flow line to conductor, strap BHA.
Held PJSM with Chevron & Nabors personnel, started P/U BHA, TM-80 not breaking out connection.
TM80 malfunctioning - no breaking out connection. Troubleshoot, identified hoses needing to be replaced - non on location. Waited on delivery from Odessa. Replaced hoses, found leak. Locating leak for repair.
Report Start Date: 3/22/2015
Com
Troubleshoot MT-80, found cracked stuccci fitting hydraulic assembly Note: Waiting on parts
Make up BHA with tongs. Hydraulic line blown on cathead cylinder
Replaced stucci fitting on MT-80
Continue to p/u and m/u BHA TIH f/ 75'- 100'
Troubleshoot TD pipe torque mode found no problems.
Continue to p/u and m/u BHA TIH f/ 100'- 119' Note: Tag cement 119' *** Accept rig at 9:30 hrs 3-22-15***
Circulate filling BHA and hole. Checking for leaks
Drill 17 1/2" surface hole f/119' t/132'. Leak observed at bonnet seal.
Troubleshooting & repairing leak from bonnet seal (water getting into gear box). Also repairing/replacing cylinder on link tilts
Report Start Date: 3/23/2015
Com
Troubleshooting & repairing leak from bonnet seal (water getting into gear box). Also repairing/replacing cylinder on link tilts
Drill 17 1/2" surface hole to f/132' t/395' TD. AROP = 21.9 fph WOB = 10-25 TD RPM = 40-70 TD TORQ = 3500-7000 ft-lbs GPM = 300-550 gpm SPP = 500 MW = 8.4 ppg VIS = 26 Note: Pumping 10-15 5 bbl high visc sweeps. Drop soap stick on connection.
Circulate 2 hi vis TD sweeps. Added dye to first sweep for fluid caliper - came back 1100 strokes - gauge hole calculation
TOH, rack back DC in derrick, L/D shock sub & bit - inspect same. Note: Bit Dull Grad: 1-2-CT-G-X-I-NO-TD
R/D conductor riser.
Report Start Date: 3/24/2015
Com
R/D conductor riser.
PJSM with Chevron, Nabors and Frank's for R/U & running surface casing.
M/U shoe track, test float, run 13 5/8" surface casing per plan. Tagged bottom @ 395', circulate 1.5 times csg. L/O tag jts, P/U landing jt w/wellhead, L/O.
R/D casing running equipment.

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SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
PJSM, R/U Halliburton cementers.
Cement 13 3/8" Surface casing as per Halliburton: Test surface lines to 2,000 psi. Pump: 20 BBL spacer 118 BBL (490 sxs) of 14.8 ppg Tail 48 BBL of Displacement Bump Plug with 500 psi ove differential psi. Bled back 1 bbl; Float held. 50 bbls (207 sx) cement to surface.
R/D Halliburton Cementers. PJSM with Mann's Welding.
N/D Landing Jt.
PJSM, R/U & N/U BOPE *BOP test notification made to BLM on 3-24-2015 @ 18:00 - spoke with Terry Wilson*
Report Start Date: 3/25/2015
Com
Build up, R/U, & N/U BOPE
Identified BOP components installed incorrectly. R/D & re-installed correctly.
Waiting for correct ring gasket for choke & kill lines.
Continue N/U BOPE.
Report Start Date: 3/26/2015
Com
Continue to N/U BOP, Install HCR valve, Choke line, kill line, fuction test BOPE. Note: Fabricate vent line
Rig bails and elevator on TD,
PJSM w/Chevron, Nabors, & Manns welding, R/U tester, test truck
Perform Koomey Test
Perform BOPE test to 250 psi low / 5000 psi high (3500 psi for Annular) per BLM test procedure Performed troubleshooting & re-testing as needed to get good test.
Time for troubshooting leak while testing annular. Black Jack not installed in top drive - installed. Once installed and tried to re-test, leaked during test - repaired.
Finish testing / re-testing as neeed to get good tests
Test 13 5/8" Surface Casing to 1200 psi for 30 minutes. Pressure bled off 200 psi on first attempt, held on 2nd attempt.
R/D tester.
Install long wear bushing & trip nipple, R/U ram locking wheels, R/U 2" fill-up line, take BOP measurements from top of sub to ground level.
Report Start Date: 3/27/2015
Com
R/U ram locking wheels, R/U 2" fill-up line, take BOP measurements from top of sub to ground level.
Clean & clear rig floor, stage handling tools
PJSM, P/U 12 1/4" BHA Motor A9 5/6 Lobe, 5 stg, .107 rpg Scribed motor, perform shallow test. RIH to TOC - tagged at 285', circulated to fill choke.
PJSM, Perform choke drill, conduct after action learning communication.
Drill cement & float equipment + 10' new formation to 405'.
Circulate hole in preparation for FIT.
Perform FIT with 10 ppg Brine to a 13.8 ppg EMW - good test.
Drill 12 1/4" Intermediate Hole Section f/405' to 617'. Avg ROP: 26.5 WOB: 15-17 Klbs RPM: 75 GPM: 550 TQ: 4-6 kft/lbs SPP: 1000 psi
Report Start Date: 3/28/2015

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drill 12 1/4" Intermediate Hole Section f/617 t/716'. AVG ROP - 33 WOB - 17 TD RPM - 75 TQ - 7500 SPP - 920 GPM - 550 MTR RPM - 59 MW - 9.6+ VIS - 27 pH - 10
Well shut in - driller suspected kick due to flow rate increase. Monitored pressure - no change, made notifications. Circulated B/U through the choke, monitored pressure - no change, flow checked - no flow.
Drill 12 1/4" Intermediate Hole Section f/716' t/768'. AVG ROP - 34.6 WOB - 17 TD RPM - 75 TQ - 7500 SPP - 920 GPM - 550 MTR RPM - 59 MW - 9.6+ VIS - 28 pH - 10
Drill 12 1/4" Intermediate Hole Section f/768' t/889'. AVG ROP - 40.3 WOB - 20 TD RPM - 75 TQ - 5500 SPP - 980 GPM - 544 MTR RPM - 58 MW - 9.8+ VIS - 28 pH - 10 Slide: 869' - 889'
Slide Drill 12 1/4" Intermediate Hole Section f/869' t/889'. AVG ROP - 40 WOB - 24 TD RPM - 0 TQ - SPP - 920 GPM - 550 MTR RPM - 59 MW - 9.6+ VIS - 28 pH - 10
Drill 12 1/4" Intermediate Hole Section f/889' t/1053'. AVG ROP - 41 WOB - 27 TD RPM - 50 TQ - 7500 SPP - 1075 GPM - 544 MTR RPM - 58 MW - 9.9 VIS - 28 pH - 10

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Slide Drill 12 1/4" Intermediate Hole Section f/889' t/1053'. AVG ROP - 40 WOB - 24 TD RPM - 0 TQ - SPP - 920 GPM - 550 MTR RPM - 59 MW - 9.6+ VIS - 28 pH - 10
Drill 12 1/4" Intermediate Hole Section f/1053' t/1339'. AVG ROP - 95.3 WOB - 30 TD RPM - 50 TQ - 8000 SPP - 1125 GPM - 544 MTR RPM - 58 MW - 10.1 VIS - 28 pH - 10
Slide Drill 12 1/4" Intermediate Hole Section f/1053' t/1260'. AVG ROP - 69 WOB - 30 TD RPM - 65 TQ - 8 SPP - 1125 GPM - 550 MTR RPM - 59 MW - 9.6+ VIS - 28 pH - 10
Drill 12 1/4" Intermediate Hole Section f/1339' t/1440'. AVG ROP - 67.3 WOB - 32-34 TD RPM - 65-70 TQ - 8000 SPP - 1150 GPM - 544 MTR RPM - 58 MW - 10.1 VIS - 27 pH - 10
Slide Drill 12 1/4" Intermediate Hole Section f/1260' t/1440'. AVG ROP - 120 WOB - 32 -34 TD RPM - 65 TQ - 8 SPP - 150 GPM - 550 MTR RPM - 59 MW - 9.6+ VIS - 28 pH - 10
Rig service.
Service rig

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drill 12 1/4" Intermediate Hole Section f/1440' t/1729'. AVG ROP - 96 WOB - 30 TD RPM - 75 TQ - 11,000 ft lbs SPP - 1150 GPM - 550 MTR RPM - 59 MW - 10.0+ VIS - 27 pH - 10
Drill 12 1/4" Intermediate Hole Section f/1729' t/1867'. AVG ROP - 46 WOB - 25 TD RPM - 75 TQ - 8,000 ft lbs SPP - 1350 GPM - 550 MTR RPM - 59 MW - 10.0 VIS - 27 pH - 10

Report Start Date: 3/29/2015

Com
Drill 12 1/4" Intermediate Hole Section f/1867' t/1925'. AVG ROP - 58 WOB - 25 TD RPM - 75 TQ - 7,000 ft lbs SPP - 1360 GPM - 550 MTR RPM - 59 MW - 10.0 VIS - 27 pH - 10
Circulate 2 40 bbl hi vis sweeps - 1st w/dye for fluid caliper. - Fluid Caliper came back @ 2690 strokes vs 2462 calculated - notified leadership team. - Conducted flow check - no flow - Pumped 40 bbl slug @ 2 ppg over MW
Held PJSM w/Chevron, Nabors & Petro personnel.
TOH to BHA - monitored well on trip tank - took proper fill. *Made Intermediate Cementing notification to BLM @ 05:23am.*
L/D directional BHA.
Perform rig service. Found blown hydraulic hose on pragma.
Repair hose on pragma.
Remove wear bushing, clean & clear rig floor to run casing.
Held PJSM w/Chevron, Petro, Nabors & Frank's personnel. - R/U casing running equipment
Run 9 5/8", 40#, HCK-55, LT&C Intermediate Casing per plan. - Ran 42 joints / left out 6 joints - Ran 12 centralizers - Used tag joint & tagged bottom @ 1925'
Circulate 1.5 times casing volume w/2500 strokes. *Held PJSM w/Chevron, Nabors, Petr & Halliburton cementers while circulating.
L/D tag jt, P/U landing joint, land casing w/GE. Hanger hung up in BOPs - re-centered BOPs.
R/U Halliburton cementers.

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Cement 9 5/8" Intermediate Casing as per Halliburton pump schedule: Test surface lines to 2,000 psi. Pump Schedule: 20 BBL spacer w/dye 131.3 BBL (445 sxs) of 13.7 ppg Lead 74.4 BBL (315 sxs) of 14.8 ppg Tail 138.3 BBL of Displacement w/fresh water Bump Plug @ 830 psi Held 500 psi over for 5 minutes Bled back 1 bbl; Float held. 58 bbls (197 sx) cement to surface.
R/D cementers, washout BOPs and surface lines.
Report Start Date: 3/30/2015
Com
Finish R/D Halliburton Cementers & washing out BOPs. Set & test pack off to 5000 psi - pressure held.
Waiting on Cement 18 hrs from 3/29-15 @ 23:30. Conducting other rig maintenance & house keeping activities in preparation to P/U 8-3/4" Vertical Production BHA.
P/U 8-3/4" Vertical Production BHA.
Brake pad pivot arm pin stuck - repaired.
Report Start Date: 3/31/2015
Com
Brake pad pivot arm pin stuck - repaired.
Pick Up BHA#2 as follows: 8 3/4" PDC bit Security MM65DM 6 1/2" Motor (.288 rev/gal) TIH and tag cement at 1790'
Circ hole with 9.0 ppg fluid type and perform choke drill.
Perform casing test to 1500 psi for 30 minutes - good test.
Drl FE & Cmt to 1920". Drl 10' of new hole
Circ.B/U Perform FIT Test to 13.8 ppg EMW – Good Test.
Drlg f/ 1,935' to 2,285' AROP = 100 fph WOB = 10-12 kips TD RPM = 40 Motor RPM = 96 GPM = 335 ppg SPP = 650 psi MW = 9.0ppg Install Rotating Head @ 2,000'
Drlg f/ 2,285' to/ 2,308 AROP = 46 fph WOB = 8-10 kips TD RPM = 0 Motor RPM = 158 GPM = 550 ppg SPP = 1400 psi MW = 9.0ppg
Drlg f/2,308' t/3,049' AROP = 134 fph WOB = 17-20 kips TD RPM = 60 Motor RPM = 158 GPM = 550 ppg SPP = 1550 psi MW = 9.0ppg
Rig Service

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/3,049' t/3,715' AROP = 111 fph WOB = 17-20 kips TD RPM = 45-70 Motor RPM = 172 GPM = 600 ppg SPP = 2100 psi MW = 9.0ppg

Report Start Date: 4/1/2015

Com
Drlg f/3,715' T/4,939' AROP = 78.9 fph WOB = 20-25 kips TD RPM = 40-70 Motor RPM = 172 GPM = 600 ppg SPP = 1725 psi MW = 9.0ppg
Drlg f/4,939' T/4,954 AROP = 15 fph WOB = 12-15 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1700 psi MW = 9.0ppg
Rig Service
Drlg f/4,954' T/4,986 AROP = 32 fph WOB = 22-25 kips TD RPM = 40-45 Motor RPM = 172 GPM = 600 ppg SPP = 1700 psi MW = 9.0ppg
Drlg f/4,986' T/5,001' AROP = 15 fph WOB = 22-25 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 2000 psi MW = 9.0ppg
Drlg f/5,001' T/5,018' AROP = 34 fph WOB = 20-25 kips TD RPM = 40 Motor RPM = 172 GPM = 600 ppg SPP = 1850 psi MW = 8.9 ppg
Drlg f/5,018' T/5,038' AROP = 40 fph WOB = 18 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1850 psi MW = 8.9 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/5,038' T/5,050' AROP = 24 fph WOB = 20 kips TD RPM = 40 Motor RPM = 172 GPM = 600 ppg SPP = 1850 psi MW = 8.9 ppg
Trouble Shoot MWD Tool At survey depth 4991' we began by getting detection issues and had to recycle to clear up the signal noise. By isolating pump one we were able to get a survey but the total magnetic field value and MDIP value were out of the acceptance criteria. We recycled again to see if we could get acceptable values from the tool. The next survey produced the same unacceptable values. I contacted the Operational Support Engineer and he had me change the tool programming in attempt to reboot the tool and conduct a 3 point downhole roll test with the tool. The 3 point downhole roll test consisted of pumping up a survey, rotating the tool 120 degrees and allowing the tool to send tool faces to the surface. By repeating this process 3 additional times the tool took surveys and toolface measurements on 3 points of a circle. Doing so determined that the Z axis magnetometer is faulty and giving erroneous values. By using the sensor recovery application in our surface system we are able to compensate for the faulty sensor and continue drilling. Every survey will be monitored and verified by the Operational Support Engineer.
Drlg f/5,050' T/5,060' AROP = 30 fph WOB = 20 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1800 psi MW = 8.9 ppg

Report Start Date: 4/2/2015

Com
Drlg f/5,060' T/5,065' AROP = 30 fph WOB = 20 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1800 psi MW = 8.9 ppg
Drlg f/5,065' t/5,095' AROP = 60 fph WOB = 20 kips TD RPM = 40 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 8.9 ppg
Drlg f/5,095' t/5,110 AROP = 30 fph WOB = 20 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1700 psi MW = 8.9 ppg
Drlg f/5,110 t/5,336 AROP =41 fph WOB = 20 kips TD RPM = 40 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 8.9 ppg
Cycle pumps multiple times (Good Survey)

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/5,336 t/5,749' AROP =41 fph WOB = 22-29 kips TD RPM = 40-45 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 8.9 ppg
Rig Service
Drlg f/5,749' t/5,908' AROP =53 fph WOB = 22-29 kips TD RPM = 40-45 Motor RPM = 172 GPM = 600 ppg SPP = 1900 psi MW = 9.0 ppg
Trouble shoot MWD noise
Drlg f/5,908' t/5,923 AROP =30 fph WOB = 22-29 kips TD RPM = Motor RPM = 172 GPM = 600 ppg SPP = 1875 psi MW = 9.0 ppg
Drlg f/5,923 t/5,940 AROP =34 fph WOB = 22-29 kips TD RPM = 45 Motor RPM = 172 GPM = 600 ppg SPP = 1875 psi MW = 9.0 ppg
Drlg f/5,940 t/5,955 AROP =30 fph WOB = 22-29 kips TD RPM = Motor RPM = 172 GPM = 600 ppg SPP = 1875 psi MW = 9.0 ppg
Drlg f/5,955 t/5,990' AROP =70 fph WOB = 22-29 kips TD RPM = 45 Motor RPM = 172 GPM = 600 ppg SPP = 1875 psi MW = 9.0 ppg
Report Start Date: 4/3/2015
Com
Drlg f/5,990' t/6,194 AROP =68 fph WOB = 22-29 kips TD RPM = 45 Motor RPM = 172 GPM = 600 ppg SPP = 2100 psi MW = 9.0 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/6,194' T/ 6,209' AROP =30 fph WOB = 16 kips TD RPM = Motor RPM = 172 GPM = 600 ppg SPP = 2100 psi MW = 9.0 ppg
Drlg f/6,209' t/6,226' AROP =34 fph WOB = 20 kips TD RPM = 45 Motor RPM = 172 GPM = 600 ppg SPP = 1350 psi MW = 9.0 ppg
Drlg f/6,226' t/6,246 AROP =13 fph WOB = 20 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1350 psi MW = 9.0 ppg
Drlg f/6,246 t/6,385' AROP =39 fph WOB = 22-25 kips TD RPM = 45 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 9.0 ppg
Drlg f/6,385' t/6,400' AROP =30 fph WOB = 14-16 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 9.0 ppg
Drlg f/6,400' t/6,416' AROP =32 fph WOB = 22-25 kips TD RPM =40-45 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 9.0 ppg
Drlg f/6,416' t/6,441' AROP =25 fph WOB = 14-16 kips TD RPM =0 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 9.0 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/6,441' t/6,671' AROP =51 fph WOB = 20-25 kips TD RPM =40-45 Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 9.0 ppg
Rig Service
Drlg f/6,671' t/6,734' AROP = fph WOB = 29 kips TD RPM =45 Motor RPM = 172 GPM = 600 ppg SPP = 2000 psi MW = 9.0 ppg
Pump 20 bbl high visc sweeps @ 6,734', circulate 2 B/U. MW=9.0 Visc=27 PH=10
Monitor well. Well was flowing 3.6 bbl/hr, shut well in and monitored pressure, 0 pressure. Opened well, flow slowed to 2.8 bbl/hr.
Circ B/U well flowing 2.8 bbl/hr confirmed Ballooning
TOH f/6,734" to 6,146' Hole took correct fill. Inclination Survey at 6,675' showed 4.46 deg 168.46 az.
Report Start Date: 4/4/2015
Com
TOH f/6,149' to Surface L/D BHA, motor and bit. Clean rig floor. Hole took over calculated fill. Rotating head removed @ 700'
Pick Up BHA#4 as follows: 8 3/4" PDC bit Security MMD55DM 6.5" Motor (.288 rev/gal) Orient Dirc. Tools TIH t/1425'
Rig Service
TIH f/1,425' t/6,734' Install Rotating Head @ 1,425' Verifiy Surveys f/ 5,042' t/6,734' every 200' due to sensor loss in previous tool
Drlg f/6,734' t/6,781 AROP = 31 fph WOB = 14 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1600 psi MW = 9.15 ppg
Drlg f/6,781 t/6,788' AROP = 16 fph WOB = 17 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/6,788' t/6813 AROP = 50 fph WOB = 17 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1650 psi MW = 9.15 ppg
Drlg f/6813' t/ 6,820 AROP = 14 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1700 psi MW = 9.15 ppg
Drlg f/6,820' t/6,845' AROP = 50 fph WOB = 24 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1700 psi MW = 9.15 ppg
Drlg f/6,845' t/ 6,851' AROP = 12 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1750 psi MW = 9.15 ppg

Report Start Date: 4/5/2015

Com
Drlg f/6,851' t/6,866' AROP = 30 fph WOB = 22 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1550 psi MW = 9.15 ppg
Drlg f/6,866' t/6,883' AROP = 34 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1800 psi MW = 9.15 ppg
Drlg f/6,883' t/6,895' AROP = 24 fph WOB = 22 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1775 psi MW = 9.15 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/6,895' t/6,915' AROP = 40 fph WOB = 18 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1900 psi MW = 9.15 ppg
Drlg f/6,915' t/6,929' AROP = 28 fph WOB = 24 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1800 psi MW = 9.15 ppg
Drlg f/6,929' t/6,947 AROP = 36 fph WOB = 20 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1900 psi MW = 9.15 ppg
Drlg f/6,947 t/6,961 AROP = 28 fph WOB = 23 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1750 psi MW = 9.15 ppg
Drlg f/6,961 t/6,979 AROP = 36 fph WOB = 20 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1800 psi MW = 9.15 ppg
Drlg f/6,979 t/6,989 AROP = 20 fph WOB = 24 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1800 psi MW = 9.15 ppg
Drlg f/6,989 t/7,010 AROP = 42 fph WOB = 16 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1900 psi MW = 9.15 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/7,010 t/7,018 AROP = 16 fph WOB = 20 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1775 psi MW = 9.15 ppg
Drlg f/7,018 t/7,042 AROP = 48 fph WOB = 16 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,042 t/7,059 AROP = 34 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,059 t/7,074 AROP = 30 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,074 t/7,079 AROP = 10 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,079 t/7,106 AROP = 54 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,106 t/7,111 AROP = 10 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/7,111 t/7,138 AROP = 54 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,138 t/7,143 AROP = 10 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,143 t/7,170 AROP = 54 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,170 t/7,193 AROP = 46 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,193 t/7,201 AROP = 16 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,201 t/7,221 AROP = 40 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,221 t/7,233 AROP = 24 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/7,233 t/7,251 AROP = 36 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,251 t/7,265 AROP = 28 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,265 t/7,290 AROP = 50 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,290 t/7,296 AROP = 12 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Drlg f/7,296 t/7;344 AROP = 32 fph WOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppg
Rig Service
Drlg f/7,344 t/7,355 AROP = 22 fph WOB = 22 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1700 psi MW = 9.15 ppg
Drlg f/7,355 t/7,360 AROP = 10 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1950 psi MW = 9.15 ppg

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/7,360 t/7392 AROP = 30 fph WOB = 22 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1750 psi MW = 9.15 ppg Rotate f/7,390' t/7,392'
Drlg f/7392 t/7,467 AROP = 25 fph WOB = 30 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1350 psi MW = 9.15 ppg
Drlg f/7,467 t/7,489 AROP = 22 fph WOB = 30 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1350 psi MW = 9.15 ppg

Report Start Date: 4/6/2015

Com
Drlg f/7,489 t/7,670' AROP = 30 fph WOB = 32 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1350 psi MW = 9.15 ppg
Drlg f/7,670' t/7,709' AROP = 76 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1800 psi MW = 9.15 ppg
Pump 20 bbl high visc sweeps @ TD, circulate 2 B/U. Flow check well
low check well – Well flowing 4.8 bbl/hr @ 08:29 , 4.0 bbl/hr @ 08:31 , 3.1 bbl/hr @ 08.44 Confirm Ballooning
TOH f/7,709" to Surface . L/D BHA, motor and bit. Clean rig floor. Hole took 24 bbl over calculated
Rig Service
Pick Up BHA#5 as follows: 8 3/4" PDC bit Security MM55D 6.5" Motor (.288 rev/gal) Orient Dirc. Tools TIH T/ 5,240'

Report Start Date: 4/7/2015

Com
TIH f/5,240' t/7,129' Change Rotating Head Rubber
Washed through curve 7,129' t/7,709'

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/7,709' t/7,840' AROP = 19 fph WOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1700 psi MW = 9.2 ppg
Circ.after adding Lube Shakers blinding off and pits foamed over Strip out lube and condition mud
Drlg f/7,840' t/7,891' AROP = 19 fph WOB = 25 kips TD RPM =60 Motor RPM = 167 GPM = 580 ppg SPP = 1700 psi MW = 9.2 ppg

Report Start Date: 4/8/2015

Com
Drlg f/7,891' t/ 8,006' AROP = 33 fph WOB = 25 kips TD RPM =60 Motor RPM = 167 GPM = 580 gpm SPP = 1700 psi MW = 9.2 ppg Slide f/ 7,986' t/ 8,006'.
Drlg f/ 8,006' to 8,096' AROP = 36 fph WOB = 25 kips TD RPM =60 Motor RPM = 167 GPM = 580 gpm SPP = 1700 psi MW = 9.2 ppg Slide f/ 8,081' t/ 8,096'.
Drlg f/ 8,096' t/ 8,367' AROP = 54 fph WOB = 33 kips TD RPM =90 Motor RPM = 174 GPM = 600 gpm SPP = 2075 psi MW = 9.2 ppg Slide f/ 8,096' t/ 8,100'. Slide f/ 8,221' t/ 8,256'.
Rig Service.
Drlg f/ 8,367' t/8,507' AROP = 46 fph WOB = 33 kips TD RPM =90 Motor RPM = 174 GPM = 600 gpm SPP = 2150 psi MW = 9.3 ppg Slide f/ 8,412' t/ 8,432'. Slide f/ 8,441' t/ 8,462'.

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/ 8,507' t/8,730' AROP = 44 fph WOB = 30 kips TD RPM =90 Motor RPM = 174 GPM = 600 gpm SPP = 1800 psi MW = 9.3 ppg Slide f/ 8,507' t/ 8,8527'. Slide f/ 8,693' t/ 8,730'.
Drlg f/ 8,730' t/8,930' AROP = 44 fph WOB = 30 kips TD RPM =70 Motor RPM = 174 GPM = 600 gpm SPP = 1800 psi MW = 9.3 ppg Slide f/ 8,900' t/ 8,930'.

Report Start Date: 4/9/2015

Com
Drlg f/ 8,930' t/ 9,283' AROP = 59 fph WOB = 30 kips TD RPM =70 Motor RPM = 174 GPM = 600 gpm SPP = 2000 psi MW = 9.4 ppg Slide f/ 8, 930 t/ 8,938'. Slide f/ 9,095' t/ 9,128'.
Changed out leaking swivel packing.
Drlg f/ 9,283' t/ 9,414' AROP = 44 fph WOB = 30 kips TD RPM =70 Motor RPM = 174 GPM = 600 gpm SPP = 2400 psi MW = 9.4 ppg Slide f/ 9,283' t/ 9,319'
Rig Service
Drlg f/ 9,414' t/ 9,795" AROP = 50.8 fph WOB = 35 kips TD RPM =70 Motor RPM = 174 GPM = 600 gpm SPP = 2400 psi MW = 9.4 ppg Slide f/ 9,454' t/9,494 f/ 9,644' t/9,684

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/ 9,795' t/10,015' AROP = 36.6 fph WOB = 30 kips TD RPM =70 Motor RPM = 174 GPM = 600 gpm SPP = 2200 psi MW = 9.4 ppg Slide f/ 9,835' t/ 9,875'

Report Start Date: 4/10/2015

Com
Drlg f/ 10,015' t/ 10,207' AROP = 32 fph WOB = 30 kips TD RPM =40 Motor RPM = 178 GPM = 615 gpm SPP = 2000 psi MW = 9.4 ppg Slide f/ 10,025' t/ 10,061' f/ 10,175' t/ 10,207'
Drlg f/ 10,207' t/10,426' AROP = 43.8 fph WOB = 25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2300 psi MW = 9.4 ppg Slide f/ 10,207' t/ 10,223'
Drlg f/10,426' t/10,557' AROP = 32.7 fph WOB = 25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2400 psi MW = 9.4 ppg Slide f/ 10,426' t/ 10,461'
Rig Service
Drlg f/10,426' t/10,730' AROP = 86.8 fph WOB = 25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2200 psi MW = 9.4 ppg Slide f/ 10,692' t/ 10,730'

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/10,730' t/10,842' AROP = 56 fph WOB = 25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2200 psi MW = 9.4 ppg
Retorque IBOP
Drlg f/10,842' t/10,925' AROP = 41.5 fph WOB = 25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2200 psi MW = 9.4 ppg Slide f/10,842' t/10,925'

Report Start Date: 4/11/2015

Com
Drlg f/10,925' t/ 11,223' AROP = 50 fph WOB = 25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2200 psi MW = 9.4 ppg Slide f/11,073' t/ 11,118'
Drlg f/ 11,223' t/ 11,509' AROP = 286 fph WOB = 22-25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2300 psi MW = 9.4 ppg Slide f/11,347' t/ 11,389'
Rig Service
Drlg f/ 11,509' t/11,581' AROP = 28.8 fph WOB = 45 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2450 psi MW = 9.4 ppg Slide f/11,554' t/ 11,581'
Performed clean up cycle due to motor stall @ 11,851' during slide.

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Drlg f/ 11,581' t/ 11,810' AROP = 32 fph WOB = 45 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2400 psi MW = 9.4 ppg Slide f/11,699' t/11,743' f/11,794 t/11,810'
Report Start Date: 4/12/2015
Com
Drlg f/ 11,810' t/ 11,939' AROP = 20 fph WOB = 35 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpm SPP = 2250 psi MW = 9.4 ppg Slide f/11,810' t/ 11,835' f/11,889' t/ 11,939'
Drlg f/ 11,939' t/ 12,122' AROP = 61 fph WOB = 25 kips TD RPM =60 Motor RPM = 175 GPM = 605 gpm SPP = 2450 psi MW = 9.4 ppg
Rig Service
Perform clean up cycle while rotating 80 rpm & working pipe.Spot 150 bbl 3% Slicker555G & 5#/bbl drill beads.Flow check well static.
TOH f/12,120' to 7,700' Note (if applicable): Hole took correct fill.
Spot 150 bbl 3% Slicker555G & 5#/bbl drill beads.Flow check well static.
Report Start Date: 4/13/2015
Com
TOH f/ 7,780' t/ 6,630'. L/D drill pipe f/ 6,630' to 4,935'. Hole not taking proper fill.
Shut in well due to improper fill. Initial SICP 180 psi & built to 280 psi in 30 minutes.
Circulate & condition 9.4 ppg through choke while building high vis pill.
Spot 200 bbls of 9.4 ppg/50 vis.
Flow check.
TOH f/ 4,935' t/ 3,709'
Hole taking improper fill. Shut in well and monitor casing pressure. Initial SICP 0 psi & built to 170 psi.
CC @ 3,709' while building 270 bbls of 9.6 ppg/ 50 vis pill. Displaced hole with pill.
Flow Check. Well Static.
TOH f/3,709' to 1,195' Note (if applicable): Tight hole f/2,202' – 2,107' worked through with 15 max overpull. Hole took correct fill.
Report Start Date: 4/14/2015
Com
TOH & L/D f/1,195' to BHA. L/D directional tools, motor, & bit. Pulled rotating head @ 92'.
Clean rig floor.

Chevron

Summary Report

Drill
Drill and Suspend
Job Start Date: 3/4/2015
Job End Date: 4/17/2015

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
M/U 8-3/4" MM55D & bit sub.
Install rotating head. TIH t/ 1,300' & well was flowing @ 13.2 bph. MW 9.4 ppg **Notified BLM about running 5-1/2" production casing @ 4/14/15 @ 05:00 hrs.**
Shut in well & monitor csg pressure. Pressure built to 168 psi. Discussed forward plan of action with leadership team.
Circulate & condition gas out through the choke w/ 2 bottoms up. Max gas: 1817 units
Flow check. Well flowing @ 8.4 bph. Discussed with leadership team. Made decision to continue to TIH to 4,000' to displace 9.4 ppg mud with 9.6 ppg.
Continued to TIH t/ 2,652'. Hole making improper displacement.
Shut in well & monitor csg pressure. Pressure built to 50 psi.
CC while building MW to 9.6 ppg. Max gas: 1969 units. Flow check. Well flowing @ 3.2 bph.
Decided to TIH f/ 2,652' t/ 3,996' to displace 9.4 ppg w/ 9.6 ppg.
Displace 9.4 ppg with 9.6 ppg while bringing mud up to 40 vis. Initial losses @ 144 bph.
Shut down pumps and monitored well on trip tank. Losses reduced to 57 bph. Build 70 bbls of LCM pill.
Spot 70 bbls of LCM pill f/ 3,998' to 2,600'.
Shut down pumps and monitored well on trip tank. Initial seepage losses then increased to 17 bph. Decided to build slug & pump slug, TOH & R/B stands in the derrick.
TOH f/ 4,000' & L/D bit, bit sub, & XO.
Report Start Date: 4/15/2015
Com
Pull wear bushing, Install Trip nipple. Note: Clear and clean rig floor.
PJSM w/Express Casing Crew. R/U CRT, casing running and torque turn equipment.
Run 5 1/2" 17# HCP-110 CDC t/ 123'. Broke circulation through float equipment.
Run 5 1/2" 17# HCP-110 CDC to 11,340'
Report Start Date: 4/16/2015
Com
Run 5 1/2" 17# HCP-110 CDC as followed: Float Shoe 2 shoe jts Float Collar 1 jt Landing Collar Pup Jt 1 jt Pup Jt RSI Tool Pup Jt 131 jts Marker jt 163 jts Note: Spotted 4% lube/ 3 ppb bead pill @ 12,070' P/U 2 joints& tagged bottom @ 12,122'
L/D 2 tag joints. P/U landing joint & land hanger.
R/D Express casing running equipment.
Circulate while waiting on Haillburton to load/ haul out new Lead 1 & Lead 2 cement. Note: Had to wait on Pilot Test results from new Lead 1 & Lead 2.
PJSM with Halliburton cementers over cementing operations.
Finish R/U Halliburton cementers.

Chevron

Summary Report

Drill
Drill and Suspend
Job Start Date: 3/4/2015
Job End Date: 4/17/2015

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Com
Pump Production cement job as per follows: Test lines to 4,000 psi 10 BBLs FW spacer 20 BBLs Tuned Spacer 443 BBLs (980 sxs) of 11.3# Lead 279 BBLs (870 sxs) of 12.5# Lead 2 47 BBLs (100 sxs) of 15# Tail Drop Dart Plug and 2 Foam Balls 282.5 BBLs FW Displacement (first 22 BBLs was MSA) Did not bump plug. Pumped 1/2 shoe track (1.5 bbls) Did not bump plug. Total volume displaced was 284 bbls FCP = 968 psi. Held for 5 min. Bled back 1.5 BBLs; floats held. Lost returns 206 bbls into displacement of FW (228 bbls into displacement total).
R/D Halliburton Cementers & flush through BOP stack.
Back out Landing Joint. R/U to run BPV and Packoff. Set BPV and Packoff, test to 5,000 psi for 10 min; test good. R/D and L/O running tool.
Report Start Date: 4/17/2015
Com
L/D Mousehole, remove turnbuckles, Bleed down Koomey. N/D Flow line, Kill line, Koomey lines, Choke line, Fill Up line, Bleed off line,Check valve.
Install tubing head & test to 5,000 psi for 15 min.
Install mousehole L/D 61 stands R/B in derrick w/ mousehole. Note: Clean pits/ sand traps w/ Tervita. **Release Rig @ 19:30 hrs**
Report Start Date: 6/23/2015
Com
NO ACTIVITY
SITP 780 SICP 820# RU WEATHERFORD FLUID LEVEL FOUND FL 4270' STARTED TO PUMP N2 DOWN WELL CSG PRESS WENT UP TO 900# 1ST SAMPLE 5% SAND AFTER 2.5 HRS HAD REC 27 BBLS TRACE SAND CSG PRESS STARTED TO GO DOWN FROM 900 TO 400# BACK OFF N2 FROM 600 MCF TO 300 MCF REC TOTAL 34 BBLS TOTAL DISP OF CSG W/STARTING FL 4270' PKR @ 6661' NO FLUID BLEED DOWN CSG & TBG RD ALL EQUIP
NO ACTIVITY ON LOCATION

Report Printed: 6/24/2015

Chevron

Cement Summary

Surface Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Original Hole

Wellbore Name	Directional Type	Kick Off Depth (ftKB)	Vertical Section Direction (°)
Original Hole	Horizontal	6,767	0.05

Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
17 1/2	22.0	395.0
12 1/4	395.0	1,925.0
8 3/4	1,925.0	12,122.0

<typ>, <make> on <dttmstart>

Type	Install Date

Des	Make	Model	WP (psi)	Service	SN

Conductor, Planned?-N, 80ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Conductor	Original Hole	2/8/2015	80	-22.0	

Centralizers	Scratchers

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
2	Conductor Pipe	20	19.124	94.00	H-40			58.00	22	80

Surface, Planned?-N, 382ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Surface	Original Hole	3/24/2015	382	341.8	

Centralizers	Scratchers
5	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	13 3/8	12.715	48.00	H-40		ST&C	0.00	-342	-342
0	Landing Joint	13 3/8	12.715	48.00	H-40		ST&C	0.00	-342	-342
1	Wellhead	13 3/8	12.715	48.00	H-40		ST&C	3.37	-342	-338
1	Wellhead	13 3/8	12.715	48.00	H-40		ST&C	3.37	-338	-335
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40		ST&C	5.20	-335	-330
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40		ST&C	5.20	-330	-325
7	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	272.83	-325	-52
7	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	276.13	-52	224
1	Float Collar	13 3/8	12.715	48.00	H-40		ST&C	1.38	224	226
1	Float Collar	13 3/8	12.715	48.00	H-40		ST&C	1.38	226	227
2	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	75.92	227	303
2	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	75.92	303	379
1	Float Shoe	13 3/8	12.715	48.00	H-40		ST&C	1.54	379	380
1	Float Shoe	13 3/8	12.715	48.00	H-40		ST&C	1.54	380	382

Intermediate Casing 1, Planned?-N, 1,915ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Intermediate Casing 1	Original Hole	3/29/2015	1,915	-22.0	

Centralizers	Scratchers
12	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	9 5/8	8.835	40.00	HCK55		LTC	0.00	22	22
1	Pup Joint	9 5/8	8.835	40.00	HCK55		LTC	4.51	22	27
40	Casing Joint	9 5/8	8.835	40.00	HCK55		LTC	1,798.43	27	1,825
1	Casing Collar	9 5/8	8.835	40.00	HCK55		LTC	1.44	1,825	1,826
2	Casing Joint	9 5/8	8.835	40.00	HCK55		LTC	86.96	1,826	1,913
1	Casing Shoe	9 5/8	8.835	40.00	HCK55		LTC	1.63	1,913	1,915

Production Casing, Planned?-N, 12,093ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Production Casing	Original Hole	4/15/2015	12,093	-21.8	

Centralizers	Scratchers
122	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	5 1/2	4.892	17.00	HCP-110		CDC	0.00	22	22

Report Printed: 6/24/2015

Chevron

Cement Summary

Surface Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Hanger	5 1/2	4.892	17.00	HCP-110		CDC	0.31	22	22
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	5.21	22	27
165	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	6,642.49	27	6,670
1	Marker	5 1/2	4.892	17.00	HCP-110		CDC	9.66	6,670	6,680
131	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	5,213.76	6,680	11,893
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	9.96	11,893	11,903
1	RSI	5 1/2	4.892	17.00	HCP-110		CDC	5.50	11,903	11,909
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	10.00	11,909	11,919
1	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	37.97	11,919	11,957
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	9.58	11,957	11,966
1	Landing Collar	5 1/2	4.892	17.00	HCP-110		CDC	1.51	11,966	11,968
1	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	39.26	11,968	12,007
1	Float Collar	5 1/2	4.892	17.00	HCP-110		CDC	2.01	12,007	12,009
2	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	81.44	12,009	12,091
1	Float Shoe	5 1/2	4.892	17.00	HCP-110		CDC	2.50	12,091	12,093

Surface Casing Cement, Casing, 3/24/2015 08:00

Cementing Start Date	Cementing End Date	Wellbore
3/24/2015	3/24/2015	Original Hole

Evaluation Method	Cement Evaluation Results
Returns to Surface	50 bbls of cement to surface. Full returns throughout entire job.

Comment

Cement 13 3/8" Surface casing as per Halliburton:

Test surface lines to 2,000 psi.
Pump:
20 BBL spacer
118 BBL (490 sxs) of 14.8 ppg Tail
48 BBL of Displacement
Bump Plug with 500 psi ove differential psi.
Bled back 1 bbl; Float held.
50 bbls (207 sx) cement to surface.

1, 22.0-382.0ftKB

Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)	Top Plug?	Bottom Plug?
22.0	382.0	Y	50.0	N	Y

Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	Avg Pump Rate (bbl/min)	Final Pump Pressure (psi)	Plug Bump Pressure (psi)
3	2.7	3		

Pipe Reciprocated?	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)	Pipe Rotated?	Pipe RPM (rpm)
N			N	

Depth Tagged (MD) (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)	Drill Out Date

Spacer

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Spacer	20 bbls of FW with Red Dye.			20.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
0.0				

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Report Printed: 6/24/2015

Chevron

Cement Summary

Surface Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Tail

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Tail	490 sacks @ 14.8 ppg	490	C	118.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
0.0	118.0	125.0	1.36	6.53

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	14.80			

Cement Fluid Additives

Add	Type	Conc

Displacement

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Displacement	Fresh Water.			48.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
0.0	303.0			

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Report Printed: 6/24/2015

Chevron

Cement Summary

Intermediate Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Original Hole

Wellbore Name	Directional Type	Kick Off Depth (ftKB)	Vertical Section Direction (°)
Original Hole	Horizontal	6,767	0.05

Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
17 1/2	22.0	395.0
12 1/4	395.0	1,925.0
8 3/4	1,925.0	12,122.0

<typ>, <make> on <dttmstart>

Type	Install Date

Des	Make	Model	WP (psi)	Service	SN

Conductor, Planned?-N, 80ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Conductor	Original Hole	2/8/2015	80	-22.0	

Centralizers	Scratchers

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
2	Conductor Pipe	20	19.124	94.00	H-40			58.00	22	80

Surface, Planned?-N, 382ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Surface	Original Hole	3/24/2015	382	341.8	

Centralizers	Scratchers
5	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	13 3/8	12.715	48.00	H-40		ST&C	0.00	-342	-342
0	Landing Joint	13 3/8	12.715	48.00	H-40		ST&C	0.00	-342	-342
1	Wellhead	13 3/8	12.715	48.00	H-40		ST&C	3.37	-342	-338
1	Wellhead	13 3/8	12.715	48.00	H-40		ST&C	3.37	-338	-335
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40		ST&C	5.20	-335	-330
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40		ST&C	5.20	-330	-325
7	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	272.83	-325	-52
7	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	276.13	-52	224
1	Float Collar	13 3/8	12.715	48.00	H-40		ST&C	1.38	224	226
1	Float Collar	13 3/8	12.715	48.00	H-40		ST&C	1.38	226	227
2	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	75.92	227	303
2	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	75.92	303	379
1	Float Shoe	13 3/8	12.715	48.00	H-40		ST&C	1.54	379	380
1	Float Shoe	13 3/8	12.715	48.00	H-40		ST&C	1.54	380	382

Intermediate Casing 1, Planned?-N, 1,915ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Intermediate Casing 1	Original Hole	3/29/2015	1,915	-22.0	

Centralizers	Scratchers
12	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	9 5/8	8.835	40.00	HCK55		LTC	0.00	22	22
1	Pup Joint	9 5/8	8.835	40.00	HCK55		LTC	4.51	22	27
40	Casing Joint	9 5/8	8.835	40.00	HCK55		LTC	1,798.43	27	1,825
1	Casing Collar	9 5/8	8.835	40.00	HCK55		LTC	1.44	1,825	1,826
2	Casing Joint	9 5/8	8.835	40.00	HCK55		LTC	86.96	1,826	1,913
1	Casing Shoe	9 5/8	8.835	40.00	HCK55		LTC	1.63	1,913	1,915

Production Casing, Planned?-N, 12,093ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Production Casing	Original Hole	4/15/2015	12,093	-21.8	

Centralizers	Scratchers
122	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	5 1/2	4.892	17.00	HCP-110		CDC	0.00	22	22

Report Printed: 6/24/2015

Chevron

Cement Summary

Intermediate Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Hanger	5 1/2	4.892	17.00	HCP-110		CDC	0.31	22	22
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	5.21	22	27
165	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	6,642.49	27	6,670
1	Marker	5 1/2	4.892	17.00	HCP-110		CDC	9.66	6,670	6,680
131	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	5,213.76	6,680	11,893
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	9.96	11,893	11,903
1	RSI	5 1/2	4.892	17.00	HCP-110		CDC	5.50	11,903	11,909
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	10.00	11,909	11,919
1	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	37.97	11,919	11,957
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	9.58	11,957	11,966
1	Landing Collar	5 1/2	4.892	17.00	HCP-110		CDC	1.51	11,966	11,968
1	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	39.26	11,968	12,007
1	Float Collar	5 1/2	4.892	17.00	HCP-110		CDC	2.01	12,007	12,009
2	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	81.44	12,009	12,091
1	Float Shoe	5 1/2	4.892	17.00	HCP-110		CDC	2.50	12,091	12,093

Intermediate Casing Cement, Casing, 3/29/2015 21:20

Cementing Start Date	Cementing End Date	Wellbore
3/29/2015	3/29/2015	Original Hole

Evaluation Method	Cement Evaluation Results
Returns to Surface	58 bbls of cement to surface. Full returns throughout entire job.

Comment

Cement 9 5/8" Intermediate Casing as per Halliburton pump schedule:

Test surface lines to 2,000 psi.

Pump Schedule:
20 BBL spacer w/dye
131.3 BBL (445 sxs) of 13.7 ppg Lead
74.4 BBL (315 sxs) of 14.8 ppg Tail
138.3 BBL of Displacement w/fresh water
Bump Plug @ 830 psi
Held 500 psi over for 5 minutes
Bled back 1 bbl; Float held.
58 bbls (197 sx) cement to surface.

1, 22.0-1,915.0ftKB

Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)	Top Plug?	Bottom Plug?
22.0	1,915.0	Y	58.0	N	N

Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	Avg Pump Rate (bbl/min)	Final Pump Pressure (psi)	Plug Bump Pressure (psi)
3	3	6	730.0	830.0

Pipe Reciprocated?	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)	Pipe Rotated?	Pipe RPM (rpm)
Y	20.00	70	N	

Depth Tagged (MD) (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)	Drill Out Date

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Chevron

Cement Summary

Intermediate Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River .	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Spacer

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Spacer	Mud Flush III Spacer w/ Red Dye			20.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
22.0				

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Lead

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Lead	Cemex Premium Plus C	445	C	131.3

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
22.0	710.0	100.0	1.66	8.63

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	13.70			

Cement Fluid Additives

Add	Type	Conc

Tail

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Tail	Cemex Premium Plus C	315	C	74.4

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
1,630.0	1,900.0	100.0	1.33	6.34

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	14.80			

Cement Fluid Additives

Add	Type	Conc

Displacement

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Displacement	20 bbls Spacer 118.8 bbls Fresh water			138.8

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
31.0	1,900.0			

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

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Chevron

Cement Summary

Production Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Original Hole

Wellbore Name	Directional Type	Kick Off Depth (ftKB)	Vertical Section Direction (°)
Original Hole	Horizontal	6,767	0.05

Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
17 1/2	22.0	395.0
12 1/4	395.0	1,925.0
8 3/4	1,925.0	12,122.0

<typ>, <make> on <dttmstart>

Type	Install Date

Des	Make	Model	WP (psi)	Service	SN

Conductor, Planned?-N, 80ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Conductor	Original Hole	2/8/2015	80	-22.0	

Centralizers	Scratchers

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
2	Conductor Pipe	20	19.124	94.00	H-40			58.00	22	80

Surface, Planned?-N, 382ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Surface	Original Hole	3/24/2015	382	341.8	

Centralizers	Scratchers
5	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	13 3/8	12.715	48.00	H-40		ST&C	0.00	-342	-342
0	Landing Joint	13 3/8	12.715	48.00	H-40		ST&C	0.00	-342	-342
1	Wellhead	13 3/8	12.715	48.00	H-40		ST&C	3.37	-342	-338
1	Wellhead	13 3/8	12.715	48.00	H-40		ST&C	3.37	-338	-335
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40		ST&C	5.20	-335	-330
1	Casing Pup Joint	13 3/8	12.715	48.00	H-40		ST&C	5.20	-330	-325
7	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	272.83	-325	-52
7	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	276.13	-52	224
1	Float Collar	13 3/8	12.715	48.00	H-40		ST&C	1.38	224	226
1	Float Collar	13 3/8	12.715	48.00	H-40		ST&C	1.38	226	227
2	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	75.92	227	303
2	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	75.92	303	379
1	Float Shoe	13 3/8	12.715	48.00	H-40		ST&C	1.54	379	380
1	Float Shoe	13 3/8	12.715	48.00	H-40		ST&C	1.54	380	382

Intermediate Casing 1, Planned?-N, 1,915ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Intermediate Casing 1	Original Hole	3/29/2015	1,915	-22.0	

Centralizers	Scratchers
12	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	9 5/8	8.835	40.00	HCK55		LTC	0.00	22	22
1	Pup Joint	9 5/8	8.835	40.00	HCK55		LTC	4.51	22	27
40	Casing Joint	9 5/8	8.835	40.00	HCK55		LTC	1,798.43	27	1,825
1	Casing Collar	9 5/8	8.835	40.00	HCK55		LTC	1.44	1,825	1,826
2	Casing Joint	9 5/8	8.835	40.00	HCK55		LTC	86.96	1,826	1,913
1	Casing Shoe	9 5/8	8.835	40.00	HCK55		LTC	1.63	1,913	1,915

Production Casing, Planned?-N, 12,093ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Production Casing	Original Hole	4/15/2015	12,093	-21.8	

Centralizers	Scratchers
122	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
0	Landing Joint	5 1/2	4.892	17.00	HCP-110		CDC	0.00	22	22

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Cement Summary

Production Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Hanger	5 1/2	4.892	17.00	HCP-110		CDC	0.31	22	22
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	5.21	22	27
165	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	6,642.49	27	6,670
1	Marker	5 1/2	4.892	17.00	HCP-110		CDC	9.66	6,670	6,680
131	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	5,213.76	6,680	11,893
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	9.96	11,893	11,903
1	RSI	5 1/2	4.892	17.00	HCP-110		CDC	5.50	11,903	11,909
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	10.00	11,909	11,919
1	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	37.97	11,919	11,957
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	9.58	11,957	11,966
1	Landing Collar	5 1/2	4.892	17.00	HCP-110		CDC	1.51	11,966	11,968
1	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	39.26	11,968	12,007
1	Float Collar	5 1/2	4.892	17.00	HCP-110		CDC	2.01	12,007	12,009
2	Casing Joint	5 1/2	4.892	17.00	HCP-110		CDC	81.44	12,009	12,091
1	Float Shoe	5 1/2	4.892	17.00	HCP-110		CDC	2.50	12,091	12,093

Production Casing Cement, Casing, 4/16/2015 15:49

Cementing Start Date	Cementing End Date	Wellbore
4/16/2015	4/16/2015	Original Hole

Evaluation Method	Cement Evaluation Results
	Lost returns 206 bbls into displacement of FW (228 bbls into displacement total)

Comment

Pump Production cement job as per follows:

Test lines to 5,000 psi
10 BBLs FW spacer
20 BBLs Tuned Spacer
443 BBLs (980 sxs) of 11.3 ppg Lead 1
279 BBLs (870 sxs) of 12.5 ppg Lead 2
47 BBLs (100 sxs) of 15 ppg Tail
Drop Dart Plug and 2 Foam Balls
282.4 BBLs FW Displacement (first 24 BBLs with MMCR)

Bump Plug with 500 psi over at xxx psi. FCP = xxx psi. Held for 5 min. Bled back x BBLs; floats held.

1, 647.0-12,122.0ftKB

Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)	Top Plug?	Bottom Plug?
647.0	12,122.0	N	0.0	N	Y

Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	Avg Pump Rate (bbl/min)	Final Pump Pressure (psi)	Plug Bump Pressure (psi)
6	4	7	968.0	

Pipe Reciprocated?	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)	Pipe Rotated?	Pipe RPM (rpm)
N			N	

Depth Tagged (MD) (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)	Drill Out Date

Spacer

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Spacer	10 BBL FW Spacer			10.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

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Chevron

Cement Summary

Production Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Cement Fluid Additives

Add	Type	Conc

Spacer

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Spacer	Tuned Spacer III -0.5 Gal MUSO (R)-A -0.5 Gal SEM-7 -0.5 Gal Dual Spacer surfactant B -0.3 Gal D-Air 3000L -10 ppg mud			20.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Lead

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Lead	VeriCem - H - 3 lbm Kol-Seal - 0.25 lbm D-Air 5000 - 0.10% HR-601 -0.1%SA-1015	980	H	443.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
1,400.0	6,563.0	100.0	2.54	15.11

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	11.30		6.50	

Cement Fluid Additives

Add	Type	Conc

Lead

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Lead	VariCem - H - 0.20% Super CBL - 3 lbm Kol-Seal - 0.30% CFR-3, - 0.50% Halad(R)-344 - 0.45% HR-601	870	H	279.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
6,563.0	14,700.0	35.0	1.82	9.64

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	12.50		5.28	

Cement Fluid Additives

Add	Type	Conc

Tail

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Tail	SoluCem-H - 0.25 lbm D-Air 5000 - 0.70% HR-601	100	H	47.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
14,700.0	15,710.0	0.0	2.61	11.22

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	15.00		5.11	

Cement Fluid Additives

Add	Type	Conc

Displacement

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Displacement	MSA Acid			22.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Report Printed: 6/24/2015

Chevron

Cement Summary

Production Casing Cement

Well Name	Lease	Field Name	Business Unit
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	Delaware River	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00	3,453.00	3,453.00, 3/4/2015		

Cement Fluid Additives

Add	Type	Conc

Displacement

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Displacement	Fresh Water			264.0
Estimated Top (ftKB)	**Estimated Bottom Depth (ftKB)**	**Percent Excess Pumped (%)**	**Yield (ft³/sack)**	**Fluid Mix Ratio (gal/sack)**
Free Water (%)	**Density (lb/gal)**	**Zero Gel Time (min)**	**Thickening Time (hr)**	**1st Compressive Strength (psi)**

Cement Fluid Additives

Add	Type	Conc

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