Chevron

Summary Report

30-015-42889

Completion
Complete
Job Start Date: 4/23/2015
Job End Date:

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: 4/23/2015
Com
No activity on well site.
RU risers for surface and intermidate casing and fill in cellar with pea gravel. Set anchors on locaiton.
Note: Taller riser for intermediate.
No activity on well site.
Report Start Date: 4/24/2015
Com
No activity on well site
Meet with Halliburton Rep and set downhole frac tank layout. NOV drop off equipment on location.
No activity on well site
Report Start Date: 4/25/2015
Com
No activity on well site.
Deliver and set 4 fresh water frac tanks.
SIICP 200psi. Bled down to 0psi recovered no fluid. RU WW wireline test pump and load intermediate casing with 15 bbls fresh water and pressure test to 550 psi and held for 30 min lost a total of 10 psi in that time. ((good charted test). Bled down to 0psi.
No activity at well site.
Report Start Date: 4/26/2015
Com
No actiivity on well site.
Held JSA with Fesco, TNT, WW wireline, OTG, Basic, Petro & GE.
ND 7 1/16" 10K DHF.
NU 7 1/16" 10K manual master lower master valve.
Wait on GE well tech.
Pull 5" BPV & set flow bushing with 2 way check and run in lock down pins.
Test LMV to 250psi low and 9,000pis high. Held for 10 min (good test).
ND 7 1/16" 10K night cap.
Pull flow bushing & two way check.
NU 7 1/6" 10K hydraulic middle valve, 7 1/16" flowcross with manual and hydraulic valve on each side & 7 1/16" 10K manual upper valve with night cap.
Lay containment & set OTT. RU Fesco flowback equipment & function test all hydraulic valves. MIRU Petroplex pump trucks and equipment.
Shell test frac stack and flowback equipment to 250,psi low and 9,000psi high (good test).
Prime and test surface lines to 9,000 psi. Test pass.
Open well and pressure up on casing to 3,000 psi. Held pressure for 30 min. Increased pressure to 8,500psi held for an additional 38min (held 100psi on backside). Sleeve opend and pressure fell to 1,800psi. Established injection rate at 14.0 BPM 4,200 psi. Pumped 100 bbls into formation. ISIP 2,455 psi. 5min1,284.
Shut in well. RDMO Petroplex pump trucks.
No activity on well site.
Report Start Date: 4/27/2015
Com
No activity on well site.
Del and set 2 company man trailer & 1 safety trailer. Set 3 fresh water frac tanks.
No activity on well site.
Report Start Date: 4/28/2015
Com
No activity on well site.
Set 2nd Fesco OTT and RU down stream line to tank. Start RU of NOV water transfer lines and pumps. Set 2 Hallibuton sand kings, 1 castle & T belt.
No activity on well site.
Report Start Date: 4/29/2015
Com
No activity on well site.
Deliver & set 4 remaining frac tanks. Set last sand castle.
RU water transfer lines.
No activity on well site.
Report Start Date: 4/30/2015
Com
No activity at well site.
Finish RU water transfer manifold and pre fill all FW tanks.
No activity at well site.

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 29 7[illegible]
RECEIVED

30-015-42889
Accepted for record
NMOCD 7/31/2015

Report Printed: 6/24/2015

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Report Start Date: 5/1/2015
Com
No activity at well site.
Held safety meeting will personal on location. Discuss hazards and hot eliminate or midigate.
NU 7 1/16" 10K goat 6 port goat head and test to 9,000psi (ggod test).
RU Hallibuton pump down blender and 2 pumps. (Restain all lines). Test lines to 9,000psi (good test). RU Hallibuton wireline & PWR BOP's and lubricator.
MU weight bar and test lubricator to 8,000psi Had leak and changed "O" ring on lubricator. Re-test to 8,000psi and held. Bled down to 0psi & LD weight bar. SICP: 600psi " Radio Silence" MU 3 1/8"guns and 4.37" dummy plug for stage#1 perfs. PU lubricator and MU on WH. Equalize to WH
"Perf Stage #1 Plug Setting Depth: NA' Perf Depths: 11,833', 11,763', 11,693', 11,623'NA 60° Phasing Notes: Pump down at 16 bpm. 404 bbls total at 4,800psi. Run CCL log 100' above SJ."
LD gun assembly and lubricator. All shots fired. Well shut in.
Held debrief with all personal.
Start offloading sand.
Report Start Date: 5/2/2015
Com
Offload sand.
No activity on well site.
HSm and JSA with Petro, OTG & Hallibuton.
RD 1 acid tank and replace.
Set remaining frac containment. Pre mix 45,000 gal 15% HCL acid. Offload sand.
Cont' to take delivery of frac sand.
Report Start Date: 5/3/2015
Com
Continue offloading sand
No activity at well site.
Held safety meeting with Hallibuton, OTG, Fesco, Petro & TNT.
MIRU Hallibuton frac equipment (Backside equipment= 1 blender/1 Gel Pro, missle & 14 frac pumps). Hang 5 risers. Restrain all lines. RU N2 pop-off and release line to OTT. RU mechanical pop-off and test truck to intermediate csg. MIRU TCC. NOTE: 17:30 hrs HSM & PJSA w/ night crews
Report Start Date: 5/4/2015
Com
Down-hole blender would not crank. Belly line on Gel X-Port plugged up.
Prime & test lines to 9,000psi. Pop off set at 8,000psi. Backside pop off set at 1,400psi.
"Frac Stage #1 Breakdown Pressure: 4,630 psi Average Pump Rate: 85.9 bpm Max Pump Rate: 90.79 bpm Average Pump Pressure: 4,269 psi Max Pump Pressure: 6,529 psi ISIP: 1771 psi Clean Volume Pumped: 203,574 gals Total Proppant Pumped: 272,760 lbs Notes: Pop off set at 8,000psi."
SICP: 2200 MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#2 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #2 Plug Setting Depth: 11,441' Perf Depths: 11,205', 11,272', 11,339', 11,406'NA 60° Phasing Notes: Pump down guns 12 BPM at 1775psi. Tag 11,441' unable to move in hole or out of hole. Pump 214 bbls between 6 bpm and 12 bpm unable to pump free or work free. Set plug and tool string freed up. Appeared to be a collar where plug was hung up at. "

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Com
Held safety stand down to discuss previous near miss. POOH. Once into lubricator and tool trap shut cycled crown valve getting all rounds. Shut in hydraulic valve. Bled off psi to "0" to OTT. Break off lubricator at quick test sub connection. MU WL entry guide onto BTM of lubricator. Swing lubricator to the side of well head with setting tool visible at the BTM of the WL entry guide. WL operator began to slack off and lost tension. Before he could regain tension the guns and setting tool fell through the WL entry guide snapping the wire from the rope socket due to excess slack and fell to the ground. The top portion of the guns were still in the lubricator due to the Crane operator slacking off when he saw the tool string drop. At this point we also had a visual verification of all shots fired. LD lubricator and spent guns at the same time and began investigation. Actions After Event: 1.Debrief crews on event. What went well: Crane operator recognized to much slack in WL and slacked off lubricator. Everyone was outside buffer zone during event. No one got hurt. Everyone gathered and went over risk assessment before continuing. What went wrong: Operator failed to recognize excess slack in line and recover in timely manner. 2.Pre-Tour Safety Meeting: Discussed events. How important it is to stay away from over-head loads and maintain buffer distance. State of mind paying attention to surroundings and acting as Crane operator did. NOTE: No injuries or property damage. Note: Also had weather delay at this time.
Frac Stage #2 Breakdown Pressure: 3,451 psi Average Pump Rate: 90 bpm Max Pump Rate: 91.8 bpm Average Pump Pressure: 4,139 psi Max Pump Pressure: 7,238 psi ISIP: 2,021 psi Clean Volume Pumped: 5,444 gals Total Proppant Pumped: 276,740 lbs NOTE: TLR 5372 NOTE: N2 Pop-off set @ 8000
SD due to lightning strikes w/in limits in 30 minute period.
PU lubricator and weight bars ande MU on WH. Test lubricator 250/8000 psi. Good Test. Bled to "0" psi to OTT and ND off WH @ QT sub. SICP: 1375 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#3 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #3 Plug Setting Depth: 11,168' Perf Depths: 11,140', 11,073', 11,006', 10,939' 60° Phasing Notes: Max rate 11 BPM @ 1400 psi. Pumped 295 bbls" Begin to POOH NOTE: While pumping down Peak Set-A-Seat plug increased rate to 13 bpm and ball seated in running tool increaseing tension to 1800# LT decrease rate to 9 bpm and still too much tension. SD pumps and PU to KOP. BPUTS @ 11 bpm and PD to set depth.
Report Start Date: 5/5/2015
Com
Cont' POOH after perforating stage #3. Bump up and SIW. Bleed off pressure to OTT.
Fesco grease frac valves
SD due to lightning strikes
LD gun and setting tool BHA stage #3 NOTE: All shots fired

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Com
"Frac Stage #3 Breakdown Pressure: 2,891 psi Average Pump Rate: 90.6 bpm Max Pump Rate: 93.4 bpm Average Pump Pressure: 4,096 psi Max Pump Pressure: 6,560 psi ISIP: 1,814 psi Clean Volume Pumped: 5,474 bbls Total Proppant Pumped: 282,180 lbs Notes: TLR 5403" NOTE: N2 Pop off set @ 8000 psi
SICP: Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#4 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #4 Plug Setting Depth: 10,905' Perf Depths: 10,872', 10,805', 10,738', 10,671' 60° Phasing Notes: Max rate 11 BPM @ 1540 psi. Pumped196 bbls"
"Frac Stage #4 Breakdown Pressure: 2,973 psi Average Pump Rate: 90.1 bpm Max Pump Rate: 90.4 bpm Average Pump Pressure: 3,978 psi Max Pump Pressure: 7,479 psi ISIP: 2,015 psi Clean Volume Pumped: 219,450 gals Total Proppant Pumped: 291,320 lbs Notes: Pop off set at 8,000psi."
SICP: Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#5 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #5 Plug Setting Depth: 10,637' Perf Depths: 10,604', 10,537', 10,470', 10,403'NA 60° Phasing Notes: Pump down guns 11 BPM at 1745psi. While POOH saw drag from 7,750' to 6,300'. Only able to POOH between 5 FPM and 30 FPM until above 6,300'. Saw sand in wire possible sand in grease tubes causing drag. Lay down lubricator and clean grease head."
Fesco grease frac valves
Test lines to 9,000psi. Re test pop off to 8,000psi.
"Frac Stage #5 Breakdown Pressure: 3,678 psi Average Pump Rate: 90 bpm Max Pump Rate: 90.3 bpm Average Pump Pressure: 4,348 psi Max Pump Pressure: 7,258 psi ISIP: 1,808 psi Clean Volume Pumped: 215,208 gals Total Proppant Pumped: 286,280 lbs Notes: Pop off set at 8,000psi."
SICP: Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#6 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #6 Plug Setting Depth: 10,369' Perf Depths: 10,336', 10,269', 10,202', 10,135'NA 60° Phasing Notes: Pump down guns 11 BPM at 1695psi. 191 bbls pumped."
Fesco grease frac stack
Bleed psi to"0" to OTT. Reconfigure lubricator to QTS below the Tool Trap. Break off lubricator below Tool Trap and LD guns and setting tool BHA stage #6

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Com
"Frac Stage #6 Breakdown Pressure: 2,556 psi Average Pump Rate: 90.1 bpm Max Pump Rate: 90.9 bpm Average Pump Pressure: 3,902 psi Max Pump Pressure: 4,740 psi ISIP: 1,798 psi Clean Volume Pumped: 5,342 bbls Total Proppant Pumped: 254,720 lbs Notes: TLR 5342"
PU lubricator and weight bars and MU on WH. Pressure test lubricator to 250/8000 psi. Good Test.
SICP: 1580 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#7 perfs. PU lubricator and MU on WH. Equalize to WH.
TIH w/ guns and Peak Set A Seat Plug to perforate stage #7 correlating w/ SJ @ 6671-6681'. BPUTS increasing 3 bpm increments until reaching 11 bpm @ 1800 psi w/ WL TIH @ 225 fpm w/ LT 850# and all at once SD @ 7950' (collar @ 7950'). SD pumps and attempt to PU on plug working from LT f/680# t/2400#. Attempt to PD from 3- 12 bpm multiple times. Attempt to surge w/ no success. Attempt to PD @ 12 bpm w/ LT 850# w/ no success and lubricator began to leak. NOTE: SD called Superintendent. Call made to set plug and POOH w/ w/ guns.
Report Start Date: 5/6/2015
Com
Hold 2400# tension on plug to attempt to free w/ no success.
Set Peak Plug @ 7950' w/ LT 1275# after set 800#. POOH to 500' and SD for safety meeting LD live guns.
HSM & PJSA w/ all essential personnel involved in LD live guns. Revised and review JSA's. NOTE: Move all non essential personnel to entrance
Bump up into lubricator. Cycled crown valve.Close in hydraulic valve and bleed off to OTT. ND off WH and LD and disarm guns. NOTE: Inspect setting tool. Balls in setting tool had heavy grease on them and no sand. Trace of sand in threads of setting tool.
RDMO Halliburton WLU, PWR pressure control. ND WL Flange and NU night cap.
HSM & PJSA w/ day crews. Debrief w/ night crews
RD risers from Goat head. ND Goat head and NU Crown valve onto flow cross.
Wait on CT Unit
RU Coil Tubing Unit and related aux equipment. Load reel.
WO 40' of 5-1/8" certified Riser and spool. NOTE: The orginal 5-1/8 riser sent out was out of compliance, last test chart was in 2013
Report Start Date: 5/7/2015
Com
WO certified lubricator and spool
PU injector. MU 4 1/16" X 5 1/8" spool and 40' lubricator.
MU CT/DO 4.75" Butterfly Mill BHA as follows from top to bottom

OD	Description	Length	
2.88"	CT connector	1.23'	
2.88"	Dual BPV	1.93'	
2.88"	Fau Hyd Disconnect	2.02'	
2.88"	Circ Sub		1.37'
2.88"	Hydro Pull Filter Sub	2.44'	
2.88"	Hydro Pull Tool	2.57'	
2.88"	Hydro Pull Hammer sub	2.57'	
2.88"	X Treme AD Motor	12.60'	
3.31"	X Over	.93'	
4.75"	Glyphalloy Butterfly Mill	1.42'	
	TOTAL LENGTH		25.72'

NOTE: MU 2.88" CT connector onto 2 3/8" pipe. Pull test twice 20,000# / 25,000#. Good Test. Function Test motor @ surface 3 bpm @ 3600 psi

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Com
MU lubricator on BOP and pressure test to 250/8000 psi. Good test.
TIH w/CT @ 50ft/min Noticed Swivel Packing leaking @5600'
Repair Swivel Packing.
TIH f/5600' t/6700 @ 70ft/min TIH f/6700 t/7950 @ 30ft/min "Tagged Plug #6 @ 11:00 @ 4,400' circ press. WHP 1,000 psi . Saw stall once plug was tagged. PU off stall and retag plug. Did not see any torque or stalls. Attempted to mill plug for 3.5 hrs with no success. Notes: Saw increase in pressure when plug was tagged. Did not see plug parts returned in sweeps or plug catcher. Decision was made to POOH and replace BHA."
POOH f/9750' t/surface @ 120ft/min
L/D BHA #1 Found circ sub to be sheared and seals blown out. Replaced mud motor and circulating sub, kept the mill and everything else the same. P/U BHA #2 as follows: MU CT/DO 4.75" Butterfly Mill BHA as follows from top to bottom OD Description Length 2.88" CT connector 1.23' 2.88" Dual BPV 1.93' 2.88" Fau Hyd Disconnect 2.02' 2.88" Circ Sub 1.37' 2.88" Hydro Pull Filter Sub 2.44' 2.88" Hydro Pull Tool 2.57' 2.88" Hydro Pull Hammer sub 2.57' 2.88" X Treme AD Motor 12.60' 3.31" X Over .93' 4.75" Glyphalloy Butterfly Mill 1.42' TOTAL LENGTH 25.72' Function Test motor @ surface 3bpm @ 3600psi Good.
SICP: 980 NU lubricator to WH and Test all to 250/8000 psi. Good Test. Equalize WH. NOTE: HSM & PJSA w/ night crew.
TIH w/ CT/DO BHA #2 pumping .5 bpm in/.5 bpm out CTP:1280, WHP: 900. to KOP. Increase rate to 3.2 bpm in/3.2 bpm out. CTP:4200, WHP: 850. PU wt 15K, SO wt 9000. Cont' TIH to tag plug @ 7898'.
WHP: 850, CTP: 4300 Tag Plug @ 7889 3.3 bpm in/ 3.3 bpm out. Motor stall w/ 1000# down and PU. TIH tagged plug @ 7882'. Motor stall w/ 1000# PU. TIH to 7890' tag plug w/ 1000# down. Motor stall PU TIH to 7883' and drill thru plug w/ 1000# down. DO plug in 2 hrs 15 minutes NOTE: Send 3 10 bbl sweeps during plug mill out. NOTE: All sweeps on time. No sand in returns. Plug catcher clean. Fine metal and rubber on screen @ OTT.
Cont' TIH to 10,300' @ 40 fpm sending 5 bbl dyed gel sweep every 75 bbls. Send 10 bbls gel sweep, 10 bbls spacer and 10 bbls gel sweep at RT
Report Start Date: 5/8/2015
Com
Cont' to circ' gel sweeps w/ spacer 10/10/10 around end of coil.
POOH pumping 3 bpm in/ 3 bpm out @ 40 fpm. Send 10 bbls gel sweep before curve. Cont' to POOH @ 40 fpm to KO. Stopped coil and wait for sweep @ surface. Medium sand after sweep. TBIH to 10,101' send 20 bbl 115 visc dyed gel sweep and POOH @ 30 fpm. Send another 10 bbls dyed gel sweep @ 8500'. Cont' POOH to KO. wait for gel sweep to surface. @ 6700' pipe began to pull a little sticky. TBIH to 7000' send 10 bbls gel sweep finish POOH.
ND lubricator and LD BHA.
NU back on well and blow coil dry with N2. ND BOP's and lubricator. RDMO CT unit, pump truck and associated equipment.
Held safety meeting with Hallibuton, PWR, OTG, Fesco, WW, Petro, TNT and Baker.

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Com
MIRU 3 Halliburton pumps, pump down pumps, Wireline unit & PWR lubricator. NU Goat head, Crown Valve, WL Flange on flow cross. Set WL BOPE on WH.
Test lines and WH to 250/9000 psi. Good Test. NOTE: Set N2 pop-off 8000 psi.
SICP: 1050 Flush csg W/ 3100 gal sweep. Flush to BTM perf 240 bbps @ 80 bpm.
PU PWR lubricator and CCL. MU on WH and test to 250/8000 psi. good test. Bleed off to OTT. Break off WH.
SICP: 950 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#7 perfs. PU lubricator and MU on WH. Equalize to WH.
Perf Stage #7 Plug Setting Depth: 10,101' Perf Depths: 10,068'\10001, 9,934', 9,867' 60° Phasing Notes: Max rate 11 BPM @ 1615 psi. Pumped 168 bbls. NOTE: Initial pump rate 11 bpm. Last 150' had to drop rate to 6 bpm due to line tension. NOTE: Took extra 45 minutes to get in hole due to line wrap on WL reel

Report Start Date: 5/9/2015

Com
"Frac Stage #7 Breakdown Pressure: 3,611 psi Average Pump Rate: 90.8 bpm Max Pump Rate: 91.7 bpm Average Pump Pressure: 4,073 psi Max Pump Pressure: 6,544 psi ISIP: 1,828 psi Clean Volume Pumped: 5,795 gals Total Proppant Pumped: 287,840 lbs Notes: TLR 5795"
SICP: 1050 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#8 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #8 Plug Setting Depth: 9,833' Perf Depths: 9,800', 9,733', 9,666', 9,599' 60° Phasing Notes: Max rate 11 BPM @ 1615 psi. Pumped 145 bbls. NOTE: Initial pump rate 11 bpm w/ line tension 750#. Last 1500' drop rate to 10 bpm w/ line tension @ 1200"
Fesco grease frac stack
"Frac Stage #8 Breakdown Pressure: 3,050 psi Average Pump Rate: 91.1 bpm Max Pump Rate: 91.9 bpm Average Pump Pressure: 3,741 psi Max Pump Pressure: 6,360 psi ISIP: 1,876 psi Clean Volume Pumped: 5,345 gals Total Proppant Pumped: 282,400 lbs Notes: TLR 5345"
SICP: 1150 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#9 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #9 Plug Setting Depth: 9,544' Perf Depths: 9,520', 9,456', 9,393', 9,329' 60° Phasing Notes: Pump rate 11bpm w/line tension @ 775#"

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Com
"Frac Stage #9 Breakdown Pressure: 3,209 psi Average Pump Rate: 86.8 bpm Max Pump Rate: 91.7 bpm Average Pump Pressure: 3,858 psi Max Pump Pressure: 5,412 psi ISIP: 1,958 psi Clean Volume Pumped: 201,155 gals Total Proppant Pumped: 265,020 lbs"
SICP: 1257 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#10 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #10 Plug Setting Depth: 9,276' Perf Depths: 9,252', 9,188', 9,125', 9,061' 60° Phasing Notes: Initial Pump rate @ 11bbl/min w/tension @ 760#. Plug took off @ 7900' w/max tension 1423#. Reduced pump rate to 10bbl/min w/tension @ 1100#."
Greased the well head
"Frac Stage #10 Breakdown Pressure: 2,984 psi Average Pump Rate: 89.8 bpm Max Pump Rate: 90.7 bpm Average Pump Pressure: 3,630 psi Max Pump Pressure: 6,305 psi ISIP: 1,757 psi Clean Volume Pumped: 206,272 gals Total Proppant Pumped: 266,771 lbs"
High Winds. Lay down lubricator and crane
Scope out Crane SICP: 975 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#11 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #11 Plug Setting Depth: 9,029' Perf Depths: 8,996', 8,929', 8,862', 8,795' 60° Phasing Notes: Max rate 11 BPM @ 1185 psi. Pumped 135 bbls. NOTE: After shooting depth 8862' WL Pull heavy to 1750. SD pumps w/ no change in WH pressure. Bought up pumps to 4 bpm and WL began to move. Cont' w/ perf ops"
"Frac Stage #11 Breakdown Pressure: 2,607 psi Average Pump Rate: 91.2 bpm Max Pump Rate: 90.6 bpm Average Pump Pressure: 3,680 psi Max Pump Pressure: 6,109 psi ISIP: 1,818 psi Clean Volume Pumped: 215,418 gals Total Proppant Pumped: 283,470 lbs Notes: TLR 5129"
SICP: 1500 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#12 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #12 Plug Setting Depth: 8,761' Perf Depths: 8,728', 8,661', 8,594', 8,527' 60° Phasing Notes: Max rate 9 BPM @ 1600 psi. Pumped 75 bbls. : "
Fesco grease frac valves

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"Frac Stage #12 Breakdown Pressure: 2,615 psi Average Pump Rate: 90.5 bpm Max Pump Rate: 91.5 bpm Average Pump Pressure: 3,459 psi Max Pump Pressure: 5,834 psi ISIP: 1,870 psi Clean Volume Pumped: 214,956 gals Total Proppant Pumped: 287,280 lbs Notes: TLR 5118"

Report Start Date: 5/10/2015

Com
SICP: 1425 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#13 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #13 Plug Setting Depth: 8,493' Perf Depths: 8,460', 8,393', 8,326', 8,259' 60° Phasing Notes: Max rate11 BPM @ 1780 psi. Pumped 97 bbls. : "
"Frac Stage #13 Breakdown Pressure: 2,597 psi Average Pump Rate: 90.4 bpm Max Pump Rate: 91 bpm Average Pump Pressure: 3,508 psi Max Pump Pressure: 6,544 psi ISIP: 1,884 psi Clean Volume Pumped: 214,914 gals Total Proppant Pumped: 287,274 lbs Notes: TLR 5117"
SICP: 1420 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#14 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #14 Plug Setting Depth: 8,225' Perf Depths: 8,192', 8,125', 8,058', 7,991' 60° Phasing Notes: Max rate11 BPM @ 1650 psi. Pumped 90 bbls. : "
Fesco grease frac stack
"Frac Stage #14 Breakdown Pressure: 3,112 psi Average Pump Rate: 91.2 bpm Max Pump Rate: 90.3 bpm Average Pump Pressure: 3,824 psi Max Pump Pressure: 7,043 psi ISIP: 1,972 psi Clean Volume Pumped: 204,960 gals Total Proppant Pumped: 280,000 lbs"
SICP: 1218 Observe Radio Silence. MU 3 1/8"guns and 4.625" Peak Set a Seat plug for stage#15 perfs. PU lubricator and MU on WH. Equalize to WH.
"Perf Stage #15 Plug Setting Depth: 7,957' Perf Depths: 7,924', 7,835', 7,760', 7,700' 60° Phasing Notes: Initial pump rate 11bbl/min @ 812# tension"

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
"Frac Stage #15 Breakdown Pressure: 3,410 psi Average Pump Rate: 87.6 bpm Max Pump Rate: 97.7 bpm Average Pump Pressure: 3,399 psi Max Pump Pressure: 7,132 psi ISIP: 1,638 psi Clean Volume Pumped: 238,854 gals Total Proppant Pumped: 284,780 lbs Notes: Half way through job lost dry gel rate dropped to 45, we stopped sand. Lost suction to blender on flush, rate dropped to 0, we brought rate back on and finished @ 55bb/min."
Meeting with frac crew before R/D. Reviewed pinch points, overhead loads, propper hammer technique, trip hazards, and hydration.
Rig down frac equipment and wireline, move wireline off location, and move all pump trucks off location.
SICP: 1250 Monitor well pressure during 48 hr shut in
Report Start Date: 5/11/2015

Com
SICP: 1300 Monitor well pressure during 48 hr shut in
HSM & PJSA w/ OTG. Discuss Scope of Job, SWA. TIF, ERP, PPE, 360 my-space, spotters while backing, wild life dangers, communication, slick surfaces
OTG clean and PU containment
SICP: 1300 Monitor well pressure during 48 hr shut in
Report Start Date: 5/12/2015

Com
Monitor well, No activity at well site.
Clean containment.
SICP: 1000 psi Open well @ 09:00 hrs on 12/64 choke and begin FB operations Starting FWHP: 950 psi, Ending FWHP: 700 psi 24 hr fluid recovery: 378 bbls 24 hr water recovery: 378 bbls 24 hr oil recovery: "0" bbls H2S-0 Fluid rate: 54 bbl/hr on 16/64" Total water recovered: 378 bbls Remaining frac load to recover: 84,917 bbl Total oil recovered: "0" bbl NOTE: Beginning TLR: 85,295 bbls On 12/64 choke flow rate was only .3 BPM change to 14/64 after Changed choke to 16/64 at 16:00 hrs No sand or debrie recovered Finished cleaning containment. Held PJSA with night crew. NOTE-Time log for samples 1. 16:14 hrs 277 bbls 2. 19:14 hrs 424 bbls 3. 21:00 hrs 531 bbls 4. 23:00 hrs 638 bbls
Report Start Date: 5/13/2015

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
"Flowing well @ 6:00hrs on a 24/64 "" choke FWHP: 350 psi 24 hr fluid recovery: 1412 bbls 24 hr water recovery: 1412 bbls 24 hr oil recovery: 0 bbls H2S no Fluid rate: 1 bbl/min Total water recovered: 1742 bbls Remaining frac load to recover: 83570 bbls Total oil recovered: 0 bbls 1:00 - 750 bbls 3:00 - 858 bbls 5:00 - 972 bbls 7:14 - 1099 bbls 9:14 - 1205 bbls 13:14 - 1445 bbls 17:14 - 1674 bbls "

Report Start Date: 5/14/2015

Com
"Flowing well @ 18:00hrs on a 30/64 "" choke FWHP: 100 psi 24 hr fluid recovery: 1183 bbls 24 hr water recovery: 1183 bbls 24 hr oil recovery: 0 bbls H2S no Fluid rate: 0.8 bbl/min Total water recovered: 3013.2 bbls Remaining frac load to recover: 82281.8 bbls Total oil recovered: 0 bbls "
Well Shut in

Report Start Date: 5/15/2015

Com
Well shut in. Monitor pressure
HSM & PJSA w/ Cudd, Baker, BK, OTG, TNT, NOV, WW, Coil Chem. Discuss Scope of Job: MIRU CTU-CO. SWA, TIF, PPE, ERP, Tenet #5: We always meet or exceed customers requirements, over-head loads, spotters while backing, pinch points, no spill policy, line of fire, good house keeping, communication.
MIRU OTG containment, TNT Crane, Coil Chem chemical system, BK resources transfer pumps, WW Wireline. Spot Cudd Fluid pump, N2 pump ND night cap and NU CT flange on top of Crown Valve. NOTE: NOV pre-fill tanks w/ f/w NOTE: While rigging up containment checked out injector head and found seized up rollers on chains.
WO CTU to arrive. First coil unit rollers seized up on injector head. Change out spool from CTU#1 to CTU#2.
Spotted in Cudd 2" CTU, Power pack, Fluid and N2 pump trucks. RU. NU BOPE on WH. Change out stripper rubber. PU injector head and MU 40' of 5 1/8" riser. Load coil reel w/ 47 bbls.
MU Baker CT/CO BHA as follows: OD Description ID Length 2.88" CT Connector 1.50" 1.23' 2.88" Dual BPV 1.00" 3.17' 2.88" CT Spinning wash nozzle NA 2.08' Total Length: 5.25' NOTE: MU 2 7/8" Connector on 2" CT and pull test 25K and 30K. Good Test. NOTE: Function test spinning wash nozzle. Good Test.
MU lubricator on WH. Test Coil, pump lines. WH, Lubricator and FB equipment to 250/8000 psi
TIH withBHA pumping .75 bpm and .75bpm in returns with 300psi on well. Increased pump rate to 3.5 @ 6,700' and return rate to 3.9 BPM.

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
Wash down to 6,940' (Did not see any indication of washing of sand). 10 bbls sweep Well pressure 325psi / Circulating pressure 5,000psi / Pump rate 3.5 BPM / Return rate 4 BPM / PU 200' / Saw no sand in sweep Wash down to 7,500' (Did not see any indication of washing of sand). Pump 5 bbls sweep Well pressure 350psi / Circulating pressure 5,050psi / Pump rate 3.5 BPM / Return rate 4 BPM / PU 200' / Saw no sand in sweep Wash down to 7,980' Plug at 7,957' (Did not see any indication of washing of sand). Pump 5 bbls sweep Well pressure 350psi / Circulating pressure 5,050psi / Pump rate 3.5 BPM / Return rate 4 BPM / PU 200' / Saw no sand in sweep Wash down to 8,250' Plug at 8,225' (Did not see any indication of washing of sand). Pump 5 bbls sweep Well pressure 300psi / Circulating pressure 5,100psi / Pump rate 3.5 BPM / Return rate 3.8 BPM / PU 300' / Saw trace amounts of sand in returns with sweep Wash down to 8,350' (Did not see any indication of washing sand) . Pump 5 bbls sweep Well pressure 250psi / Circulating pressure 5,100psi / Pump rate 3.5 BPM / Return rate 3.8 BPM / PU 200' / Saw medium amounts of sand in returns with sweep Wash down to 8,515'. Plug at 8,493' washing sand . Pump 10 bbls sweep Well pressure 200psi / Circulating pressure 4,950psi / Pump rate 3.5 BPM / Return rate 3.9 BPM / PU make ST/ Saw heavy amounts of sand in returns with sweep.
Making short trip to KOP at report time. Well pressure 300psi / circulating pressure 5,000psi / pump rate 3.5 bpm / return rate 4 bpm.
Report Start Date: 5/16/2015
Com
Make ST up to 6,700'. Well press 300psi / Circ pressure 4,900psi / Pump rate 3.5 BPM / Return rate 4 BPM. Recovered all sweeps at surface with light to medium sand. Wait for returns to clean up. RBIH to 8,450'.
Well pressure 225psi / Pump rate 3.5 / Circ press 4,850psi / 4 bpm in returns. Start washing sand at 8,450' wash down to 8,520' Pressure increased to 600psi. PU to 8,501' and unable to move up hole or down hole. Max pull 7K. Pump 10 bbls sweep and recovered sweep on time with heavy amounts of sand. Pump 5 bbl sweep and recovered sweep on time with trace amounts of sand. Pump 10 bbls sweep, recovered sweep on time and returns were clean. Pump 120 visc sweep with 7K down, recoverd sweep on time and returns were clean. (well pressure at 625psi / Pump rate 3.5 BPM / Return rate 4 BPM / Circ press 5200psi)
CTP: 5400, WHP: 650 Pump 3.5 bpm in w/ returns @ 4 bpm. Pipe pulling heavy @ 8,501' CTM. Pipe wt 17K, SO wt 10K. work pipe wt f/20K t/5K. Send 10 bbls gel sweep each time. After multiple attempts pipe came free w/ 5K wt on it. Cont' RIH to 8525'. POOH sending 10/10/10 gel sweep.
CTP: 5400, WHP: 650 Pump 3.5 bpm in w/ returns @ 4 bpm. Begin POOH from 8501' @ 30 fpm to 800' sending gel sweep. Cont' to KOP and wait for gel sweeps to surface. All sweeps on time. Recovered a few metal pieces1/2' long by 1/4" thick. Cont' to POOH to surface.
HSM & PJSA for LD BHA and RD Injector head.
Bump up and bleed-off lubricator to OTT. LD CT/CO BHA, Lubricator, Injector head and Crane. MU night cap on BOPE w/ crown valve SI.
Begin Flow clean-up of well. SICP: 700 12:30 hrs Open well @ 1.5 bpm (26/64ths choke) Ending FWHP: 450 Recovered 401.62 bbls 24 hr water 401.62 24 hr oil "0" Total water recovered 3491.8 bbls Total oil recovered "0" 18:30 hrs - 20:30 hrs changed choke to 28/64ths FWHP: 450 Ending FWHP:450 Recovered 201 bbls 24 hr water 602 bbls 24 hr oil "0" bbls Total water recovered 3692 bbls Total oil recovered "0" bbls Fluid rate 1.68 bpm

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
Cont' to flow test well
Report Start Date: 5/17/2015
Com
FWHP: 425 Well Flowing @ 1.5 bpm (32/64ths choke) Ending FWHP: 425 Recovered 1599.32 bbls 24 hr water 1599.32 24 hr oil "0" Trace Total water recovered 4689.5 bbls Total oil recovered "0" Trace Fluid Rate 1.7 bpm
FWHP: 425 Well Flowing @ 1.62 bpm (34/64ths choke) Ending FWHP: 400 Ending FWHP: 400 Recovered 2738.42 bbls 24 hr water 2738.42 24 hr oil "0" Trace Total water recovered 5828.6 bbls Total oil recovered "0" Trace Fluid Rate 1.7 bpm Total Load to Recover 79,066.4 bbls NOTE: Sent CTU crews and support equipment crews in. Put on will call. Depending outcome of FB ops.
Flow test well
Report Start Date: 5/18/2015
Com
Well Flowing @ .99 bpm (28/64ths choke) Beginning FWHP: 350 Ending FWHP: 350 Recovered 3486.9 bbls 24 hr water 1429.68 24 hr oil "0" Trace Total water recovered 6625.1 bbls Total oil recovered "0" Trace Fluid Rate .99 bpm Total Load to Recover 78,269.9 bbls NOTE: 04:00 hrs Changed choke F/30/64ths T/28/64ths
Well Flowing @ .95 bpm (28/64ths choke) Beginning FWHP: 350 Ending FWHP: 350 Recovered 3998.6 bbls 24 hr water 1,370.88 24 hr oil "0" Trace Total water recovered 7136.9 bbls Total oil recovered "0" Trace Fluid Rate .95 bpm Total Load to Recover 77758.2 bbls NOTE: 15:00 hrs SWI due to well performance and decision from Chevron office NOTE: No sand during flow back operations
No activity at well site.
ND Cudd CT BOP's & NU night cap.
RDMO Cudd pump truck and CT unit. Blow coil dry with N2.
No activity at well site.
Report Start Date: 5/19/2015
Com
WSI. WO WLU to set packer
HSM & PJSA w/ CHS, WW, OTG, TNT, NOV HES, Fesco, Basic, Discuss Scope of Job Flush csg and set packer. Tenet #9 We always...follow written procedures for high-risk or unusual situations, SWA, TIF, PPE, ERP, pinch points, proper backing, over-head loads, moving parts, buffer zones, communication.
WO orders to run packer. Decision made not to run packer but to produce well up csg by Houston office.

Chevron

Summary Report

Completion
Complete
Job Start Date: 4/23/2015
Job End Date:

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
RD TNT Crane, OTG clean mats, Basic PU FB tanks and acid tanks to deliver to White City. NOV empty f/w tanks to water pond. Stone empty sand from OTT. NOTE: 12:00 hrs Released CHS ELU, TNT Crane, HES NOTE: Stone load out 15 yds sand from OTT
No Activity.
Report Start Date: 5/20/2015
Com
No Activity
HSM & PJSA w/ TNT, BK, GE, Basic, Fesco. Discuss Scope of Job: RD FB equip, ND frac stack. SWA, TIF, ERP, PPE, biological hazards, slick surfaces, no spill policy, man-lift safety, line of fire, proper lifting, over-head loads, pressure, communication.
With LMV closed, open Hydraulic master valve and bleed all pressure to OTT. Cycle Crown Valve. RD Fesco FB equipment. OTG clean containment and PU. Stone spill control,
SICP: 625 ND Crown Valve and flow-cross.
GE lubricate in 7 1/16 X 2 7/8" thrd flow-bushing and BPV. Run in lock pins to spec. Release pressure and pull lubricator.
WO producttion tree from GE.
MU 2 9/16" 5M production tree on Fesco 7 1/16" 10M LMV. Production tree assy Top to BTM. 2 9/16" 5M Crown Valve 2 9/16" 5M Flow Tee w/ 2 9/16" wing valve and adj choke 2 9/16" 5M Upper master valve 2 9/16" 5M Lower master valve 7 1/16" 10M X 2 9/16" 5M adapter flange. NOTE: GE carried tbg hanger back to shop to shelve until tbg install
Test production tree against LMV to 250/4500 psi for 15/15 minutes and chart. Retrieve BPV. and install production tree cap. NOTE: 7 1/16" x 2 7/8" thrd flow-thru bushing in place.
Report Start Date: 5/21/2015
Com
No Activity
Report Start Date: 5/22/2015
Com
No Activity. Carry costs only
Report Start Date: 5/23/2015
Com
No Activity.
HSM & PJSA w/ CHS, OTG, WW, GE, Fesco. Discuss Scope of Job: MIRU WLU, HPPT. Flush csg and set packer. SWA, TIF, ERP, PPE, Tenet #3 We always...ensure safety devices are in place and functioning, pinch points, line of fire, over-head loads, moving parts, communication
MIRU CHS WLU, 30 Ton Crane, HPPT, Fesco ground manifold and iron. OTG restrain all lines. Set Chemical Services OTT and tie into Fesco manifold. GE set BPV. ND prod tree and NU Fesco UMV. NOTE: Take delivery of Genco Man-lift, Fork-lift NOTE: GE lubricate BPV into flow-bushing
WW test UMV to 250/4500 psi for 5 min. Good Test. GE lubricate out BPV and flow-bushing. NU WL flange onto WH.
SICP: 750 CHS test lines to 250/4500 psi. Good Test. Pump 180 bbls down csg and flush to top perf @ 7 bpm @ 900 psi.
SICP: MU 4.625" GR/JB/CCL. MU Lubricator on WH and test to 250/4500 psi. Equalize to WH. RIH to correlate w/ Marker Joint @ 6671' to 6767'. POOH.
M/U Baker 20 setting tool and Halliburton Versa Set Wireline Set Production Packer Assembly as follows ID OD Length Description 2.313" 3.117" 1.85' On/off Tool 2.360" 4.60" 6.50' Versa Set Packer 2.441" 2.875" 6.28' 2 7/8" L80 EUE Sub 2.205" 3.28" 1.73' XN Nipple (nickle plated) 2.441" 2.875" 4.28' 2 7/8" L80 EUE Sub 2.205" 3.680" 0.75' Entry Guide Total Length with tailpipe: 21.39' NOTE: pump out plug pinned at 2190 psi. 2 pins at 770 psi each, WHP: 650

Chevron

Summary Report

Completion
Complete
Job Start Date: 4/23/2015
Job End Date:

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
WHP: 650 TIH w/ Halliburton Versa Set WL pkr to correlate w/ SJ @ 6671'. Cont' TIH to set depth @ 6695'. POOH. Bleed well psi to "0" to begin negative test while POOH. NOTE: WHP: 650, 2 pins @ 770 each. Will take 2190 psi to pump out plug
LD packer setting BHA. ND WL Flange and UMV. Lubricate in 2 1/2" BPV and flow-bushing 7 1/16" X 2 7/8" thrd. RDMO CHS WLU and associated equipment.
Perform negative test on well. Vent to OTT w/ "0" psi .
Report Start Date: 5/24/2015
Com
Perform negative test on packer. "0" psi and static.
HSM & PJSA w/ Fesco, WW Wireling. Discuss RD FB equipment and ND frac stack
RD FB equipment. ND LMV and install capping flange. NOTE: Release all equipment except camp equipment to be moved to Gramma Ridge 6H
No Activity.
Report Start Date: 5/25/2015
Com
No ops @ well
Report Start Date: 5/26/2015
Com
No ops @ well
Crew Travel
Safety Meeting and Rig move route review
Road rig & Aux equipment from Salado Draw lease to Skeen 6H
Set tanks and reverse unit and RU
Spot Key 307 & RU pulling unit. Set pipe racks
Night cap pressure - 0 psi Casing pressure - 0 psi ND 10K Night cap
NU 7 1/16" 10K X 7 1/16 5K Spool, 5K Double ram hydraulic BOP w/ blinds on bottom and 2 7/8" Pipe rams on top. Tally pipe. SI & Secure well, SDFN
No ops @ well
Report Start Date: 5/27/2015
Com
No ops @ well
Wait on crew to arrive after Key Safety Meeting
Crew Travel
Safety Meeting
CP - 0 psi Pull BPV & set 2 way check
Install 2 7/8 tubing sub in flow bushing & Test BOP 280 psi low(Good) 1050 psi high(Good) Bleed off pressure & remove tubing sub.
Pull 2 way check and flow bushing
Start TIH w/ on/off tool, gas lift mandrels and 2 7/8 L-80 production tubing.
Lunch
Cont TIH w/ production tubing. Tag Pkr & 6660, Space out w/ 12 ft of subs. All tubing ran was 2 7/8" L-80 and all GLV were a 16 port with the bottom GLV being an orfice type. Gas Lift Valves spaced at 1670, 2423, 3047, 3639, 4230, 4822, 5445, 6034, 6626.
Circulate 155 bbls 2% KCl packer fluid conventional @ 2.25 BPM & 500 psi.

Chevron

Summary Report

Completion
Complete
Job Start Date: 4/23/2015
Job End Date:

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
Land tubing w/ 12 pts compression on pkr, Run in lock down pins, install BPV.
RD Floor, SI & Secure well, SDFN
Crew Travel
No ops @ well
Report Start Date: 5/28/2015
Com
No ops @ well
Crew Travel
Safety Meeting
ND BOP
NU 5 K GE Flow tree w/ 10K adapter flange. Double master valves, flow cross, swab valve, wing valve and choke.
Test hanger void to 5000 psi for 15 mins (Good)
RU Floor
Pressure test flow tree shell, 2 way check, and wing valve to 1450 psi for 15 mins(Good)
NU Lubricator and lubricate out 2 way check. ND Lubricator
Pump out pump out plug @ 2300 psi. SITP 500 psi
RDMO Key 307 & aux equipment to Salado Draw 19-26-33- Fed 4H Review well handover checklist with Field Specialist Joe.
Report Start Date: 6/22/2015
Com
COMPLETE RU OF WEATHERFORD EQUIPMENT / INSPECTED ALL LINES, STRAPS AND EQUIPMENT ON LOCATION.
JSA TGSM FOR CONDUCTING PRESSURE TEST, JOB PROCEDURE REVIEW AND PROJECTED OPERATIONS / SWA - SWP - TENET #2 - HAZARD WHEEL AND EMERGENCY RESPONSE NUMBERS DISCUSSED / EXCLUSION ZONE AND RESTRICTED AREAS IDENTIFIED AND COMMUNICATED TO ALL.
TEST SURFACE EQUIPMENT TO 3,000 PSI HELD / BLED OFF PRESSURE.
START PUMPING NITROGEN DOWN 5 1/2" 17# CSG WHILE MONITORING 2 7/8" L-80 PRODUCTION TBG TO FRAC TANK. 5 1/2" PACKER IS SET @ 6,668' WELL HAD A VERY SLIGHT BLOW BUT STOPPED AFTER ABOUT 10 MINUTES / INITIAL PUMPING PRESSURE WAS 200 PSI ON THE CSG SIDE WHICH WE GRADUALLY INCREASE BY 10 PSI EVERY TEN MINUTES. #9 GLV @ 1,670' OPEN WITH 975 PSI AND 600 CFM PRESSURE DROPPED SLIGHTLY BUT MAINTAINED AT 850 THROUGH THE JOB. LOTS OF SAND WAS RECOVERED AT SURFACE WHICH INDICATES OUR PERFS MIGHT BE COVERED UP. NO OIL OR GAS SEEN NOTICED AT SURFACE (ONLY SAND AND WATER) TOTAL BBL'S OF FLUID RECOVERED WERE 90
PU TOOLS AND EQUIPMENT / ISOLATE, SECURE AND SHUT IN WILL FOR THE NIGHT / DEBRIEF WITH ALL PRESENT ON LOCATION ON A JOB WELL DONE. ESTABLISHED EXCLUSION ZONES, SWA AND SWP ARE ALL CONTRIBUTORS FOR ALLOWING THIS IFO DAY TO TAKE PLACE.
NO OPERATIONS TAKING PLACE ON LOCATION AT THIS TIME.

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

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: 5

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)
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: 12

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)
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: 122

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)
0	Landing Joint	5 1/2	4.892	17.00	HCP-110		CDC	0.00	22	22

Report Printed: 6/24/2015

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

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

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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: 5

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)
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: 12

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)
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: 122

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)
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

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		

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

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		

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: 5

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)
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: 12

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)
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: 122

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)
0	Landing Joint	5 1/2	4.892	17.00	HCP-110		CDC	0.00	22	22

Report Printed: 6/24/2015

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)

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)

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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