Form 3160-5 (August 2007)

UNITED STATES OCD Artesia DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010 5. Lease Serial No. NMNM113943

SHMDDA MULICES	AND REPORTS ON WELLS
not use this form for I	proposals to drill or to re-enter an

	MO LICES MAD KELO			,	INIVII	NIVIT 13343		
Do not use thi abandoned we	is form for proposals to II. Use form 3160-3 (AP	ariii or to re D) for such p	enter an roposals.		6. If Ind	ian, Allottee	or Tribe Name	
SUBMIT IN TRI	PLICATE - Other instruc	ctions on rev	erse side.		7. If Un	it or CA/Agre	eement, Name and/	or No.
Type of Well Gas Well □ Oth	ner		·		8. Well I SKE	Name and No. EN 23 26 26	FEDERAL 6H	
2. Name of Operator CHEVRON U.S.A. INC.	Contact: E-Mail: bcortez@c	BRITANY Conhevron.com	ORTEZ		9. API \ 30-0	Vell No. 15-42883		
3a. Address 15 SMITH ROAD MIDLAND, TX 79705		3b. Phone No Ph: 432-68	(include area cod 7-7415	le)	10. Field WEL	and Pool, or CH; BONE	Exploratory SPRING	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)			11. Cou	nty or Parish,	and State	*************************************
Sec 23 T26S R26E Mer NMP	330FSL 660FWL		r . •		EDD	Y COUNT	Y, NM	
12. CHECK APPI	ROPRIATE BOX(ES) TO	O INDICATE	NATURE OF	NOTICE, RI	EPORT,	OR OTHE	R DATA	
TYPE OF SUBMISSION			ТҮРЕ (OF ACTION				
☐ Notice of Intent	· 🗖 Acidize	□ Dee	pen	☐ Product	ion (Start	/Resume)	■ Water Shu	t-Off
. —	☐ Alter Casing	☐ Frac	ture Treat	☐ Reclama	ation .		■ Well Integ	rity
Subsequent Report	Casing Repair		Construction .	☐ Recomp			Other Drilling Oper	nations
☐ Final Abandonment Notice	☐ Change Plans		and Abandon	☐ Tempor	•	ndon	Drilling Oper	ations
	☐ Convert to Injection	☐ Plug	Back	☐ Water D	isposal			
testing has been completed. Final Abdetermined that the site is ready for final 3/22/15- Drill surface hole from 3/24/15- Ran 13 3/8" surface of spacer, 490 sx of 14.8 ppg tail, held. 200 sx cmt to surface. 3/26/15- Test surface csg to 1 second attempt. 3/27/15-3/29/15- Drilled 405'-1	inal inspection.) n 119'-395' csg set @ 382' Test surfa , 48 bbls displacement, bi 200 psi for 30 minutes ble 1925'. Ran 9 5/8" 40lb HC	ce lines to 20 ump plug w/ 5 ed off 200 psi	00 psi, cmt w/ 00 psi bled bad on 1st attempt	20 bbls ck 1 bbl. Float , held on g set @ 1915		NM OI	IL CONSER RTESIA DISTRI AUG 3 201 RECEIVED	VATION CT
Cmt/ 20 bbl spacer with dye, 4 displacement w/ fw. Bump plu 197 sx cmt to surface. WOC 1 3/31/15-4/15/15- Drilled 1935/4/16/15- Ran 5 1/2" 17lb, HCF	g at 830 PSI, held 500 PS 8 hours. -12,122' 2110 CDC production csg	SI for 5 minute	es. Bled back 1	bbl, float held		a	2 8/vs// 2 8/vs// 3 9/vs// 3 9/vs/// 3 9/vs// 3 9/vs// 3 9/vs/// 3 9/vs//// 3 9/vs/// 3 9/vs/// 3 9/vs/// 3 9/vs//// 3 9/vs//// 3 9/vs///// 3 9/vs///// 3 9/vs///////// 3 9/vs///////////////////////////////////	
14. I hereby certify that the foregoing is Name (Printed/Typed) BRITANY	Electronic Submission # For CHEVI Committed to AFMSS t	RON U.S.A. IN	C., sent to the C by DEBORAH I	Carlsbad	2943C	EPTED	FOR RECO	ORD
Y								
Signature (Electronic S		D EEDEDA	Date 06/24/		 	JNL 2	2 8 2015	
	THIS SPACE FO	JR FEDERA	LORSIAIE	: OFFICE U			lan	
Approved By			Title		BOH	CARLSBAD	ND MANAGEME FIELD OFFICE	INI
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to condu	iitable title to those rights in the	not warrant or subject lease	Office					
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s	U.S.C. Section 1212, make it a statements or representations as	crime for any pe to any matter w	rson knowingly ar thin its jurisdiction	nd willfully to ma	ike to any	department or	agency of the Uni	ted .

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



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
 3,453.00
 3/4/2015
 Water Depth (ft)

t Depth (MD) (ftKB)	80ftKB Set Tension	on (kine)	I String M	ominal OD (in)	String Min Drift (in)	ICe	ntralizers	 	Scratchers	
t Deptit (MD) (TKB)	80	лі (кіра)	String iv	ominal OD (III)	20	18.937			Scialciers	,
s Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (fIKB)	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
rface, Planned?-N, 38										
Depth (MD) (ftKB)	Set Tensio	on (kips)	String N	ominal OD (in)	String Min Drift (in) 13 3/8	Ce 5	ntralizers -	,	Scratchers	
- 		· · · · · · · · · · · · · · · · · · ·		<u> </u>	I	Top Depth	Blm Depth			P Collaps
ls Item Des 0 Landing Joint	OD (in)	ID (in) 12.715	Wt (lb/ft) 48.00	Grade H-40	Top Thread ST&C	(MD) (ftKB) -342	(MD) (f(KB) -342	Len (ft)	P Burst (psi)	(psi) 740
0 Landing Joint	13 3/8	12.715	48.00	L	ST&C	-342	-342	0.00		740
1 Wellhead	13 3/8	12.715	48.00		ST&C	-342	-338	3.37		740
1 Wellhead	13 3/8	12.715	48.00		ST&C	-338	-335	3.37		740
1 Casing Pup Joint	13 3/8	12.715	48.00		ST&C	-335	-330	5.20		740
1 Casing Pup Joint	13 3/8	12.715	48.00		ST&C	-330	-325	5.20		- 740
7 Casing Joint	13 3/8	12.715	48.00		ST&C	-325	-52	272.83		740
7 Casing Joint	13 3/8	12.715	48.00	l	ST&C	-52	224	276.13		740
1 Float Collar	13 3/8	12.715	48.00	1	ST&C	224	226	1.38		740
1 Float Collar	13 3/8	12.715		H-40 .	ST&C .	226	227	1.38		740
2 Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	227	303	75.92		740
2 Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	303	379	75.92		740
1 Float Shoe	13 3/8	. 12.715	48.00	H-40	ST&C	379	380	1.54		740
1 Float Shoe	13 3/8	12.715	48.00	H-40	ST&C	380	382	1.54		740
ermediate Casing 1, F	Planned?-N, 1,9		IString N	ominal OD (in)	String Min Drift (in)	ICe	ntralizers .		Scratchers	
	1,915	, (Kipo)	Journal of the state of the sta		9 5/8	12			00,000	
s 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 Collaps (psi)
0 Landing Joint	9 5/8	8.835		HCK55	LTC	22	. 22	0.00		11-7
1 Pup Joint	9 5/8	8.835	40.00	HCK55	LTC	22	27	. 4.51		
0 Casing Joint	9 5/8	8.835	40.00	LIGIZEE						
o journing contr	0 0,0	0.000	40.00	HCK55	LTC	27	1,825	1,798.43	· 1	
1 Casing Collar	9 5/8	8.835		HCK55 HCK55	LTC	1,825	1,825 1,826	1,798.43		
	9 5/8 9 5/8	8.835 8.835	40.00		LTC LTC		1,826 1,913	1.44 86.96		
1 Casing Collar 2 Casing Joint	9 5/8	8.835	40.00 40.00	HCK55	LTC	1,825	1,826	1.44		
1 Casing Collar 2 Casing Joint 1 Casing Shoe	9 5/8 9 5/8 9 5/8	8.835 8.835 8.835	40.00 40.00	HCK55 HCK55	LTC LTC	1,825 1,826	1,826 1,913	1.44 86.96		
1 Casing Collar 2 Casing Joint 1 Casing Shoe coduction Casing, Plan	9 5/8 9 5/8 9 5/8 9 5/8 uned?-N, 12,093	8.835 8.835 8.835	40.00 40.00 40.00	HCK55 HCK55	LTC LTC LTC String Min Drift (in)	1,825 1,826 1,913	1,826 1,913 1,915	1.44 86.96	Scratchers	
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan	9 5/8 9 5/8 9 5/8 9 5/8 ined?-N, 12,093	8.835 8.835 8.835	40.00 40.00 40.00	HCK55 HCK55 HCK55	LTC LTC LTC	1,825 1,826 1,913	1,826 1,913 1,915 htralizers	1.44 86.96		
1 Casing Collar 2 Casing Joint 1 Casing Shoe Oduction Casing, Plan Depth (MD) (fix8)	9 5/8 9 5/8 9 5/8 112,093 Set Tension OD (in)	8.835 8.835 8.835 8ftKB on (kips)	40.00 40.00 40.00 String N	HCK55 HCK55 HCK55	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread	1,825 1,826 1,913 Ce 4.781 12 Top Depth (MD) (fikB)	1,826 1,913 1,915 httralizers 2 Btm Depth (MD) (ftKB)	1.44 86.96 1.63	Scratchers P Burst (psi)	P Collaps (psi)
1 Casing Collar 2 Casing Joint 1 Casing Shoe Coduction Casing, Plant 1 Depth (MD) (fix8) Item Des 0 Landing Joint	9 5/8 9 5/8 9 5/8 112,093 Set Tension OD (in) 5 1/2	8.835 8.835 8.835 8.835 9 (kips) 1D (in) 4.892	40.00 40.00 40.00 String N Wt (tb/ft)	HCK55 HCK55 HCK55 ominal OD (in)	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC	1,825 1,826 1,913 4.781 12 Top Depth (MD) (ffKB)	1,826 1,913 1,915 httralizers 2 Bim Depth (MD) (ffKB) 22	1.44 86.96 1.63 Len (ft)	Scratchers P Burst (psi) 10,640.0	P Collaps (psi) 8,580
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (fix8) s Item Des 0 Landing Joint 1 Hanger	9 5/8 9 5/8 9 5/8 9 5/8 12,093 Set Tensic 12,093 OD (in) 5 1/2 5 1/2	8.835 8.835 8.835 8.835 9ftKB on (kips) 1D (in) 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00	HCK55 HCK55 HCK55 MCK55 ominal OD (in) Grade HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC	1,825 1,826 1,913 Ce 4.781 12 Top Depth (MD) (fiKB) 22	1,826 1,913 1,915 htralizers 2 Bim Depth (MD) (fiKB) 22 22	1.44 86.96 1.63 Len (ft) 0.00	P Burst (psi) 10,640.0 10,640.0	P Collaps (psi) 8,580 8,580
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (fix8) s Item Des 0 Landing Joint 1 Hanger 1 Pup	9 5/8 9 5/8 9 5/8 12,093 Set Tensic 0D (in) 5 1/2 5 1/2 5 1/2	8.835 8.835 8.835 8.835 9ftKB on (kips) 1D (in) 4.892 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00	HCK55 HCK55 HCK55 Ominal OD (in) Grade HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC CDC	1,825 1,826 1,913 Ce 4.781 12 Top Depth (MD) (fiKB) 22 22	1,826 1,913 1,915 htralizers 2 Btm Depth (MD) (ffKB) 22 22 27	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21	P Burst (psi) 10,640.0 10,640.0 10,640.0	P Collaps (psi) 8,580 8,580 8,580
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (fixB) s Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint	9 5/8 9 5/8 9 5/8 9 5/8 12,093 Set Tensic 12,093 OD (in) 5 1/2 5 1/2	8.835 8.835 8.835 8.835 9ftKB on (kips) 1D (in) 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00	HCK55 HCK55 HCK55 MCK55 ominal OD (in) Grade HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC	1,825 1,826 1,913 Ce 4.781 12 Top Depth (MD) (fiKB) 22	1,826 1,913 1,915 htralizers 2 Bim Depth (MD) (fiKB) 22 22	1.44 86.96 1.63 Len (ft) 0.00	P Burst (psi) 10,640.0 10,640.0	P Collaps (psi) 8,580 8,580 8,580
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (fixB) s Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint 5	9 5/8 9 5/8 9 5/8 12,093 Set Tensic 0D (in) 5 1/2 5 1/2 5 1/2	8.835 8.835 8.835 8.835 9ftKB on (kips) 1D (in) 4.892 4.892 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00	HCK55 HCK55 HCK55 Ominal OD (in) Grade HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC CDC	1,825 1,826 1,913 4.781 12 Top Depth (MD) (fiKB) 22 22 22 27	1,826 1,913 1,915 htralizers 2 Bim Depth (MD) (ffKB) 22 27 6,670	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21	P Burst (psi) 10,640.0 10,640.0 10,640.0 10,640.0	P Collaps (psi) 8,580 8,580 8,580
1 Casing Collar 2 Casing Joint 1 Casing Shoe coduction Casing, Plant Depth (MD) (ftKB) Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint 5 Marker	9 5/8 9 5/8 9 5/8 12,093 OD (in) 5 1/2 5 1/2 5 1/2	8.835 8.835 8.835 8.835 9ftKB on (kips) 1D (in) 4.892 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00 17.00	HCK55 HCK55 HCK55 MCK55 MCK55 MCK55 MCR46 MCP-110 HCP-110 HCP-110 HCP-110	LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC CDC CDC	1,825 1,826 1,913 Ce 4.781 12 Top Depth (MD) (fiKB) 22 22	1,826 1,913 1,915 htralizers 2 Btm Depth (MD) (ffKB) 22 22 27	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21 6,642.49	P Burst (psi) 10,640.0 10,640.0 10,640.0	P Collaps (psi) 8,586 8,586 8,586 8,586
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (fiKB) s Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint 5	9 5/8 9 5/8 9 5/8 10 9 5/8 112,093 Set Tensic 12,093 OD (in) 5 1/2 5 1/2 5 1/2 5 1/2	8.835 8.835 8.835 8.835 SIRKB ID (in) 4.892 4.892 4.892 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00 17.00	HCK55 HCK55 HCK55 HCK55 ominal OD (in) Grade HCP-110 HCP-110 HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC CDC CDC	1,825 1,826 1,913 4.781 12 Top Depth (MD) (ffKB) 22 22 22 27 6,670	1,826 1,913 1,915 htralizers 2 Bim Depth (MD) (fiKB) 22 27 6,670 6,680 11,893	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21 6,642.49	P Burst (psi) 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0	P Collaps (psi) 8,580 8,580 8,580 8,580 8,580
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (fix8) s Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint 5 Marker 3 Casing Joint 1	9 5/8 9 5/8 9 5/8 10 9 5/8 112,093 Set Tensic 12,093 OD (in) 5 1/2 5 1/2 5 1/2 5 1/2	8.835 8.835 8.835 8.835 8.835 90 (kips) 1D (in) 4.892 4.892 4.892 4.892 4.892 4.892 4.892	40.00 40.00 40.00 String N 17.00 17.00 17.00 17.00 17.00 17.00	HCK55 HCK55 HCK55 HCK55 Ominal OD (in) Grade HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC CDC CDC	1,825 1,826 1,913 4.781 12 Top Depth (MD) (ffKB) 22 22 22 27 6,670	1,826 1,913 1,915 httralizers 2 Btm Depth (MD) (ffKB) 22 27 6,670 6,680 11,893	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21 6,642.49	P Burst (psi) 10,640.0 10,640.0 10,640.0 10,640.0	P Collaptic (psi) 8,581 8,581 8,581 8,581 8,581
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (ftK8) s Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint 5 Marker 3 Casing Joint 1 Pup 1 RSI	9 5/8 9 5/8 9 5/8 112,093 Set Tension 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2	8.835 8.835 8.835 8.835 SiftKB Dir (kips) 1D (in) 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	HCK55 HCK55 HCK55 HCK55 HCK55 Ominal OD (in) Grade HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC CDC CDC CDC CDC CDC C	1,825 1,826 1,913 4.781 12 Top Depth (MD) (ffKB) 22 22 27 6,670 6,680 11,893 11,903	1,826 1,913 1,915 httralizers 2 Bim Depth (MD) (fiKB) 22 27 6,670 6,680 11,893 11,903 11,909	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21 6,642.49 9.66 5,213.76	P Burst (psi) 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0	P Collaps (psi) 8,58(8,58(8,58(8,58(8,586 8,586 8,586 8,586
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (ftKB) s Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint 5 Marker 3 Casing Joint 1 Pup 1 RSI 1 Pup	9 5/8 9 5/8 9 5/8 112,093 12,093 12,093 Set Tensic 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2	8.835 8.835 8.835 8.835 SiftKB ID (in) 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	HCK55 HCK55 HCK55 HCK55 Ominal OD (in) Grade HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) 5 1/2 Top Thread CDC CDC CDC CDC CDC CDC CDC CDC CDC CD	1,825 1,826 1,913 4.781 12 Top Depth (MD) (fixB) 22 22 27 6,670 6,680 11,893 11,903	1,826 1,913 1,915 httalizers 2 Bim Depth (MD) (fiKB) 22 27 6,670 6,680 11,893 11,903 11,909 11,919	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21 6,642.49 9.66 5,213.76	P Burst (psi) 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0	P Collaps (psi) 8,581 8,580 8,580 8,580 8,580 8,580 8,580 8,580 8,580
1 Casing Collar 2 Casing Joint 1 Casing Shoe oduction Casing, Plan Depth (MD) (fix8) s Item Des 0 Landing Joint 1 Hanger 1 Pup 6 Casing Joint 5 1 Marker 3 Casing Joint 1 Pup 1 RSI 1 Pup 1 Casing Joint	9 5/8 9 5/8 9 5/8 112,093 12,0	8.835 8.835 8.835 8.835 8.835 8.835 8.835 90 (kips) 10 (in) 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892 4.892	40.00 40.00 40.00 String N Wt (lb/ft) 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	HCK55 HCK55 HCK55 HCK55 Ominal OD (in) Grade HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110 HCP-110	LTC LTC LTC String Min Drift (in) Top Thread CDC CDC CDC CDC CDC CDC CDC CDC CDC CD	1,825 1,826 1,913 4.781 12 Top Depth (MD) (ffKB) 22 22 27 6,670 6,680 11,893 11,903 11,909	1,826 1,913 1,915 httalizers 2 Birm Depth (MD) (fiKB) 22 27 6,670 6,680 11,893 11,903 11,909 11,919 11,957	1.44 86.96 1.63 Len (ft) 0.00 0.31 5.21 6,642.49 9.66 5,213.76 5.50 10.00 37.97	P Burst (psi) 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0 10,640.0	P Collaps (psi) 8,581 8,581 8,581 8,581 8,581 8,581 8,581 8,581 8,581 8,581
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Drill and Suspend Job Start Date: 3/4/2015

Job End Date: 4/17/2015 Field Name Rusiness Unit Skeen 22-26-26 Fed Mid-Continent SKEEN 23-26-26 FED 006H Delaware River Original RKB (ft) Current RKB Elevatio Water Depth (ft) 3,453.00 3,453.00, 3/4/2015 3,431.00 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. Report Start Date: 3/6/2015 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 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

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



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

_		·			
Well Name		Lease	Field Name	Business Unit	
SKEEN 23-26-26 FE	D 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		Ì	

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

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

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

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



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) 3,431.00
 Original RKB (ft) 3,453.00
 Current RKB Elevation 3,453.00
 Mud Line Elevation (ft) 3,453.00
 Water Depth (ft)

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

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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
 Water Depth (ft)

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.



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) 3,431.00
 Original RKB (ft) 3,453.00
 Current RKB Elevation (ft) 3,453.00
 Mud Line Elevation (ft) Water Depth (ft) Water Depth (ft)

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

Cor

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

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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	<u> </u>	
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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 RQP - 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



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

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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	•	

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



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

Skeen 22-26-26 Fed Delaware River Mid-Continent SKEEN 23-26-26 FED 006H Current RKB Elevation Mud Line Elevation (ft) Water Denth (ft) 3,453.00 3,453.00, 3/4/2015 3,431.00

Ground Elevation (ft) 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 it, P/U landing joint, land casing w/GE. Hanger hung up in BOPs - re-centered BOPs. R/U Halliburton cementers.

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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		

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

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 = 40Motor 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 fphWOB = 8-10 kips TD RPM = 0Motor 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 = 60Motor RPM = 158 GPM = 550 ppg SPP = 1550 psi MW = 9.0ppq

Rig Service

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

Job End Date: 4/17/2015 ield Name Business Unit Skeen 22-26-26 Fed Mid-Continent SKEEN 23-26-26 FED 006H Delaware River (ft) Current RKB Elevation 3,453.00 3,453.00, 3/4/2015 Original RKB (ft) Mud Line Elevation (ft) Water Depth (ft) Ground Elevation (ft) 3,431.00 Com Drlg f/3,049' t/3,715' AROP = 111 fphWOB = 17-20 kips TD RPM = 45-70Motor RPM = 172 GPM = 600 ppgSPP, = 2100 psi MW = 9.0ppgReport Start Date: 4/1/2015 Com Drlg f/3,715' T/4,939' AROP = 78.9 fph WOB = 20-25 kips TD RPM = 40-70Motor RPM = 172 GPM = 600 ppg SPP = 1725 psi MW = 9.0ppgDrig 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 = 9.0ppgRig Service Drlg f/4,954' T/4,986 AROP = 32 fphWOB = 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 ppgSPP = 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 fphWOB = 18 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1850 psi MW = 8.9 ppg



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

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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			

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.

Drig 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

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

www – o.a ppg

Drig 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' V5,110 AROP = 30 fph WOB = 20 kips TD RPM = 0 Motor RPM = 172 GPM = 600 ppg SPP = 1700 psi MW = 8:9 ppg

Drig f/5,110 t/5,336 AROP =41 fph WOB = 20 kips TD RPM = 40 Motor RPM = 1.72 GPM = 600 ppg SPP = 1750 psi MW = 8.9 ppg

Cycle pumps multiple times (Good Survey)

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

			Job End Date: 4/17/2015
Well Name SKEEN 23-26-26 FED 006H	Lease Skeen 22-26-26 Fed	Field Name Delaware River	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft) 3,453.00	Current RKB Elevation 3,453.00, 3/4/2015		Mud Line Elevation (ft) Water Depth (ft)
^			
Drlg f/5,336 t/5,749' AROP =41 fph WOB = 22-29 kips TD RPM = 40-45	C	om	
Motor RPM = 172 GPM = 600 ppg SPP = 1750 psi MW = 8.9 ppg	·		
Rig Service			
Drig 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			
Drig 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			
Drig 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		O.W.	
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	c	om	



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

		,			Job End	Date: 4/17/2
Vell Name SKEEN 23-26-26 FED 006H	Lease Skeen 22-26-26 Fed		Field Name Delaware River		Business Unit Mid-Continent	
ound Elevation (ft) Original RKB (ft) 3,431.00 3,45	Current RKB Elevation 53.00 3,453.00, 3/4/2015				Mud Line Elevation (ft)	Water Depth (ft)
			om			
lg f/6,194' T/ 6,209'	· · · · · · · · · · · · · · · · · · ·		, om			
ROP =30 fph						
OB = 16 kips) RPM =						
otor RPM = 172	•					
PM = 600 ppg PP = 2100 psi						
N = 9.0 ppg			•			
lg f/6,209' t/6,226'						
ROP =34 fph OB = 20 kips						
) RPM = 45						
otor RPM = 172	•		. *			
PM = 600 ppg PP = 1350 psi			•	•		\
W = 9.0 ppg			•			<i>:</i>
	1		<u> </u>			
lg f/6,226' t/6,246		• ***			,	
ROP =13 fph OB = 20 kips		•				
RPM = 0	,					
otor RPM = 172 PM = 600 ppg			•			
PP = 1350 psi						
W = 9.0 ppg						
·						
lg f/6,246 t/6,385' ROP =39 fph		•				•
OB = 22-25 kips						
O RPM = 45				•		
otor RPM = 172 PM = 600 ppg						
PP = 1750 psi						
W = 9.0 ppg						
lg f/6,385' t/6,400'		· · · · · · · · · · · · · · · · · · ·			· .	
ROP =30 fph						
OB = 14-16 kips					,	
O RPM = 0 otor RPM = 172						
PM = 600 ppg				•		
PP = 1750 psi W = 9.0 ppg						
vv = 9.0 ppg						
lg f/6,400' t/6,416'		· · · · · · · · · · · · · · · · · · ·				
ROP =32 fph					,	
OB = 22-25 kips CRPM =40-45						
otor RPM = 172						
PM = 600 ppg PP = 1750 psi						
W = 9.0 ppg						
g f/6,416' t/6,441'		3				
OP =25 fph OB = 14-16 kips	ı.					
RPM =0						
otor RPM = 172						
PM = 600 ppg P = 1750 psi				•		
N = 9.0.ppg						
	····					
<i>*</i>						



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
 Mud Line Elevation (ft)
 Water Depth (ft)

Com

Drlg f/6,441' V6,671'
AROP =51 fph
WOB = 20-25 kips
TD RPM =40-45
Motor RPM = 172
GPM = 600 ppg
SPP = 1750 psi

Rig Service

MW = 9.0 ppg

Drig f/6,671' t/6,734' AROP = fph WOB = 29 kips TD RPM =45 Motor RPM = 172 GPM = 600 ppg SPP = 2000 psi

Pump 20 bbl high visc sweeps @ 6,734', circulate 2 B/U.

MW=9.0 Visc=27 PH=10

MW = 9.0 ppg

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

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



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

Mella		Tella Ne		Date: 4/17/2015
Well Name SKEEN 23-26-26 FED 006H	Lease Skeen 22-26-26 Fed	Field Name Delaware River	Business Unit Mid-Continent	
Ground Elevation (ft) Original RKB (ft) 3,431.00 3,453	Current RKB Elevation 3.00 3,453.00, 3/4/2015		Mud Line Elevation (ft)	Water Depth (ft)
Drlg f/6,788' t/6813		Com .	·	
AROP = 50 fph	,			
WOB = 17 kips TD RPM =0				
Motor RPM = 144				
GPM = 500 ppg				
SPP = 1650 psi MW = 9.15 ppg				
	F			
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'				1,
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				
Drlg f/6,851' t/6,866'	······································	Com	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
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	ı	•		
Motor RPM = 144 GPM = 500 ppg		·		
SPP = 1800 psi				
MW = 9.15 ppg	•			
Drlg f/6,883' t/6,895'	<u> </u>			
AROP = 24 fph				
WOB = 22 kips		•		
TD RPM =0 Motor RPM = 144	·			
GPM = 500 ppg				
SPP = 1775 psi MW = 9.15 ppg		•		
www = a. 10 ppg				



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

Job End Date: 4/17/2015 Skeen 22-26-26 Fed SKEEN 23-26-26 FED 006H Delaware River Mid-Continent Mud Line Elevation (ft) Water Depth (ft) Ground Elevation (ft) 3,431.00 3.453.00 3.453.00. 3/4/2015 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 ppgDrlg 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 ppgDrlg 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 ppgDrlg 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 ppgDrlg 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 ppgSPP = 1800 psi MW = 9.15 ppgDrlg f/6,989 t/7,010 AROP = 42 fphWOB = 16 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1900 psi MW = 9.15 ppg



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

Lease	Field Name	Business Unit	
Skeen 22-26-26 Fed	Delaware River	Mid-Continent	Water Depth (ft)
		mad Emo Elevation (ii)	Water Bepar (it)
	Com		
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		,	
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	3.00 3,453.00, 3/4/2015	Com Com	Com Current RKB Elevation 3,453.00, 3/4/2015 Mud Line Elevation (ft)



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

Job End Date: 4/17/2015 Field Name Business Linit Mid-Continent SKEEN 23-26-26 FED 006H Skeen 22-26-26 Fed Delaware River Original RKB (ft) Current RKB Elevation Water Depth (ft) Ground Elevation (ft) Mud Line Elevation (ft) 3,453.00 3,453.00, 3/4/2015 3,431.00 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 fphWOB = 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



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

Job End Date: 4/17/2015 ield Name Skeen 22-26-26 Fed Mid-Continent SKEEN 23-26-26 FED 006H Delaware River 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 Drlg f/7,233 t/7,251 AROP = 36 fphWOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppgSPP = 1850 psi MW = 9.15 ppgDrlg f/7,251 t/7,265 AROP = 28 fphWOB = 15 kips TD RPM =20 Motor RPM = 144 GPM = 500 ppgSPP = 1850 psi MW = 9.15 ppgDrlg f/7,265 t/7,290 AROP = 50 fphWOB = 26 kips TD RPM =0 Motor RPM = 144 GPM = 500 ppg SPP = 1850 psi MW = 9.15 ppgDrlg 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 ppgDrlg 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 ppgRig 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 ppgDrlg f/7,355 t/7,360 AROP = 10 fphWOB = 15 kipsTD RPM =20 Motor RPM = 144 GPM = 500 ppg SPP = 1950 psi MW = 9.15 ppg



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

				t Date: 3/4/2015 Date: 4/17/2015
Well Name SKEEN 23-26-26 FED 006H	Lease Skeen 22-26-26 Fed	Field Name Delaware River	Business Unit Mid-Continent	
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation	Delaware Miver	Mud Line Elevation (ft)	Water Depth (ft)
3,431.00 3,453.00	3,453.00, 3/4/2015	<u> </u>	<u></u>	
		Com		
Drlg f/7,360 t/7392 AROP = 30 fph				
WOB = 22 kips			,	
TD RPM =0 Motor RPM = 144				
GPM = 500 ppg	•			i
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				
D. J., 477, 467, 477, 400				· · · · · · · · · · · · · · · · · · ·
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'		Com		
AROP = 30 fph WOB = 32 kips				
TD RPM =0				5
Motor RPM = 144 GPM = 500 ppg				
SPP = 1350 psi				
MW = 9.15 ppg				İ
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				
0.70				
Pump 20 bbl high visc sweeps @ TD, cir low check well – Well flowing 4.8 bbl/hr		<u>ത </u>		
Confirm Ballooning				,
TOH f/7,709" to Surface . L/D BHA, motor and bit.	1.2			
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'	-	•		

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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 FE	ED 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]
	<u> </u>		· · · · · · · · · · · · · · · · · · ·		<u> </u>

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 ppgCirc.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 ppgSPP = 1700 psi MW = 9.2 ppgReport Start Date: 4/8/2015 Com Drlg f/7,891' t/ 8,006' AROP = 33 fphWOB = 25 kips TD RPM =60 Motor RPM = 167 GPM = 580 gpmSPP = 1700 psi MW = 9.2 ppg Slide f/ 7,986' t/ 8,006'. Drlg f/ 8,006' to 8,096' AROP = 36 fphWOB = 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'. Drig f/ 8,096' t/ 8,367' AROP = 54 fphWOB = 33 kips TD RPM =90 Motor RPM = 174 GPM = 600 ģpm SPP = 2075 psi MW = 9.2 ppgSlide f/ 8,096' t/ 8,100'. Slide f/ 8,221' t/ 8,256'.

Rig Service.

Drig 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'.



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			

Drlg ff 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'.

Drig 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

Drig 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.

Drig 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

Drig f/ 9,414' b' 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



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

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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		

Drig ff 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

Drig 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'

Drig f/10,426' V/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 ff10,426' 1/10,730'

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'



Drill and Suspend

Job Start Date: 3/4/2015 Job End Date: 4/17/2015

Tron rune	, , , , , , , , , , , , , , , , , , , ,	Field Name Delaware River	Business Unit Mid-Continent
Crocking Electricity Congress to 1	Current RKB Elevation 3,453.00, 3/4/2015		Mud Line Elevation (ft) Water Depth (ft)

Drlg f/10,730' t/10,842' AROP = 56 fphWOB = 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

Drlg f/10,925' t/ 11,223' AROP = 50 fph WOB = 25 kips TD RPM =70 Motor RPM = 175 GPM = 605 gpmSPP = 2200 psi MW = 9.4 ppg

Slide f/11,073' t/ 11,118'

Drlg f/ 11,223' t/ 11,509' AROP = 286 fphWOB = 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.



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

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

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'

Drig f/ 11,939' t/ 12,122' AROP = 61 fph WOB = 25 kips TD RPM =60 Motor RPM = 175 GPM = 605 gpm SPP = 2450 psi MWV = 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.



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 RK8 (ft)
 Current RK8 Elevation
 Mud Line Elevation (ft)
 Water Depth (ft)

 3,431.00
 3,453.00
 3,453.00, 3/4/2015
 Water Depth (ft)

Con

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

Соп

Run 5 1/2" 17# HCP-110 CDC as followed:

Float Shoe 2 shoe jts

Float Collar

Landing Collar .

Pup Jt

1 jt

Pup Jt

RSI Tool Pup Jt

131 its

Marker jt

163 jts

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.



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

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

NO ACTIVITY

Com

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



Surface Casing Cement

Well No	^{ame} EN 23-26-26 FED 006		_{-ease} Skeen 22-26-2	26 Fed		Field Name Delaware	River		Business Mid-Co		
	Elevation (ft) Original	RKB (ft)	Current RKB Eleva	tion							r Depth (ft)
	3,431.00	3,453.00	3,453.00, 3/4/2	2015						L	
Origi	nal Hole						·				
Wellbo	re Name	· · · · · · · · · · · · · · · · · · ·	Directional Type			Kick Off Dept	h (ftKB)	······································		ection Direction (°)	
Origi	nal Hole		Horizontal			L		<u>-</u>	6,767		0.05
<u> </u>	Hole S	ize (in)	17 1/2	<u></u>	Act 10	p (ftKB)		22.0	·	Act Btm (ftKB)	395.0
			12 1/4				 ,	395.0			1,925.0
		 '	8 3/4					925.0			12,122.0
	>, <make> on <dttms< td=""><td>tart> ·</td><td></td><td></td><td></td><td></td><td></td><td>323.0</td><td></td><td></td><td>12,122,0</td></dttms<></make>	tart> ·						323.0			12,122,0
Туре	, sinakes on salans	tait				Install Date					
	Des	Mal-	(e	Mo	del	ļ	WP (psi)		Service		SN
<u> </u>	ductor, Planned?-N, 8	ONE P				<u></u>		·			
	Description	Wellbore		Run Date		Set Depth (M	ID) (ftKB)	/ IStick (Up (ftKB)	Set Tension (k	ips)
Conc	ductor	Original Hole		. 2/8/2	2015			80		-22.0	<u> </u>
Centra	lizers					Scratchers					
	<u>i.</u>					<u>[</u>	Top Conn Sz			Top Depth (MD)	Btm Depth (MD)
Jts	. Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade /	(in)	Top Thread	Len (ft)	(ftKB) 22	(ftKB)
	Conductor Pipe		20	19.124	94.00	H-40	L		58.00	22	80
	ace, Planned?-N, 382 Description	Wellbore	· · ·	Run Date		Set Depth (N	ID) (ftKB)	Stick	Up (ftKB)	Set Tension (ips)
Surfa		Original Hole			2015	'`		382		341.8	,
Centra	lizers					Scratchers	1				1
5	ſ	<u> </u>		;	· ·	· · · · ·	Top Conn Sz			Top Depth (MD)	Btm Depth (MD)
Jts	Item De:	· · · · · · · · · · · · · · · · · · ·	OD (in)	ID (in)	Wt (lb/ft)	Grade	(in)	Top Thread	Len (ft)	(ftKB)	(ftKB)
0			13 3/8	12.715	48.00			ST&C	0.00	-342	-342
0	Landing Joint		13 3/8	12,715	48.00			ST&C	0.00	-342	-342
1	Wellhead		13 3/8	12.715	48.00			ST&C	3.37	-342	-338
1	Wellhead	·	13 3/8	12.715	48.00			ST&C	3.37	-338	-335
1	Casing Pup Joint		13 3/8 13 3/8	12.715 12.715	48.00 48.00			ST&C	5.20	-335	-330
1	Casing Pup Joint			12.715				ST&C	5.20	-330	-325
/	Casing Joint	· · · · · · · · · · · · · · · · · · ·	13 3/8	12.715	48.00 48.00			ST&C	272.83	-325	-52
1	Casing Joint Float Collar		13 3/8 13 3/8	12.715	48.00			ST&C ST&C	276.13 1.38	-52 224	224
1	Float Collar		13 3/8	12.715	48.00			ST&C	1.38	224	226 227
	Casing Joint		13 3/8	12.715	48.00			ST&C	75.92	220	303
	Casing Joint		13 3/8	12.715	48.00		ļ. ———	ST&C	75.92	303	379
	Float Shoe		13 3/8	12.715	48.00			ST&C	1.54	379	380
			13 3/8	12.715	48.00			ST&C	1.54	380	382
	mediate Casing 1, Pl	anned2-N 19		12.710	40.00	11-40	!	0140	1.54	300	302
	Description	Wellbore		Run Date		Set Depth (N	MD) (ftKB)	Stick	Up (ftKB)	Set Tension (I	tips)
	mediate Casing 1	Original Hole		3/29	2015			1,915		-22.0	
Centra 12	ilizers .					Scratchers					
							Top Conn Sz			Top Depth (MD)	Btm Depth (MD)
Jts	Item Des Landing Joint	<u> </u>	OD (in) 9 5/8	ID (in) 8.835	Wt (lb/ft) 40.00	Grade HCK55	(in)	Top Thread LTC	Len (ft) 0.00	(ftKB) 22	(ftKB) 22
	Pup Joint		9 5/8	8.835		HCK55	 	LTC	4.51	22	27
	Casing Joint		9 5/8	8.835		HCK55	 	LTC	1,798.43	27	1,825
	Casing Collar		9 5/8	8.835		HCK55	 	LTC	1,790.43	1,825	1,826
	Casing Joint		9 5/8	8.835		HCK55	-	LTC	86.96	1,826	1,913
	Casing Shoe		9 5/8	8.835		HCK55		LTC	1.63	1,913	1,915
	luction Casing, Plant	ned?-N. 12 093		1	,0.00	1.0,00		<u>. </u>	1.00	1,515	
	Description	Wellbore		Run Date		Set Depth (A			Up (ftKB)	Set Tension (kips)
	uction Casing	Original Hole		4/15	2015		1	2,093		-21.8	
Centra 122	llizers					Scratchers					
	Г		1	1		<u> </u>	Top Conn Sz			Top Depth (MD)	Btm Depth (MD)
Jts	I carding Joint	<u> </u>	OD (in)	ID (in)	Wt (lb/ft)	Grade	(in) »	Top Thread	Len (ft)	(nKB)	(fiXB)
U	Landing Joint		5 1/2	4.892	17.00	HCP-110		CDC	0.00	22	22
	L			L	L		L	L	L		
											1
L							· · · · ·				

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		•							Surface Cas	ing Cement
Well N	ame EN 23-26-26 FED 006H	Lease Skeen 22-26-2	6 Fod		Field Name Delaware	Divor		Business t		,
	d Elevation (ft) Original RKB (ft) Current RKB Elevat	ion		Delaware	IVIVEI	· · · · · · · · · · · · · · · · · · ·			Depth (ft)
	3,431.00	3,453.00 3,453.00, 3/4/2	015	•					L	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn (in)	Sz Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
	Hanger	5 1/2	4.892		HCP-110	. (11)	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
	ace Casing Cement, Casir				·	<u> </u>				
Ceme	nting Start Date 3/24/2015		Cementing End I		1/2015 -		Wellbore Origin	al Hole		,
	ation Method Irns to Surface	Cement Evaluation 50 bbls of cem		ce. Full return	s throughou	ut entire	iob.			
Comm							·			
	_	20 01 1 1 1 1 1 1 1 1		. •				•		
Pum		Ċ								
20 B	BL spacer BBL (490 sxs) of 14.8 ppg T	ail								1
48 B	BL of Displacement		•							
	p Plug with 500 psi ove differ back 1 bbl; Float held.	erentiai psi.								-
	bls (207 sx) cement to surfa	ce.								
.,	2.0-382.0ftKB epth (ftKB)	Bottom Depth (ftKB)	- IFi	ıll Return?	Vol Cement	Ret (bbl) T	op Plug?		Bottom Plug?	
	22.0		382.0	Υ	ļ	50.0	N		Υ Υ	
Initial	Pump Rate (bbl/min) 3	Final Pump Rate (bbl/min)	2.7	vg Pump Rate (bb	ŕ	3	inal Pump Pressure (p	osi)	Plug-Bump Pressure (p	DS1}
Pipe F	Reciprocated? .	Reciprocation Stroke Length (f	t) R	eciprocation Rate	(spm)	P	ipe Rotated?		Pipe RPM (rpm)	
Ĺ	Tagged (MD) (ftKB)	Tag Method	D	epth Plug Drilled C	Out To (ftKB)	D	rill Out Diameter (in)		Drill Out Date .	
Spa		Fluid Description	1.	uantity (sacks)		, 12			Valuma Duna	
Fluid Spac		20 bbls of FW with Red		uanniy (SBCKS)	-	.]	lass		Volume Pumped (bbl)	20.0
	ated Top (ftKB)	Estimated Bottom Depth (ftKB		ercent Excess Pur	nped (%)	Y	ield (ft³/sack)		Fluid Mix Ratio (gal/sad	
Free \	Vater (%)	Density (lb/gal)	Ze	ero Gel Time (min)		7	hickening Time (hr)		1st Compressive Stren	gth (psi)
Cem	ent Fluid Additives									
1	Add				уре		T		Conc	

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Surface Casing Cement

Well Name	Lease		Field Name		Business		
SKEEN 23-26-26 FED 006H	Skeen 22-26-26 Fed	*	Delaware River		Mid-Co	ntinent	
Ground Elevation (ft) Original RKB (ft) 3,431.00 3,4	Current RKB Elevation 53.00 3,453.00; 3/4/2015		-		Mud Line	Elevation (ft) Water Depth (ft)	
3,431.00	00.00 0,400.00, 07.1120.10					<u> </u>	
Tail		· · · · · · · · · · · · · · · · · · ·		<u></u>		·	
	uid Description	Quantity (sacks)		Class		Volume Pumped (bbl)	
	90 sacks @ 14.8 ppg		490	С		, ,	118.0
Estimated Top (ftKB) Es	stimated Bottom Depth (ftKB)	Percent Excess Pump	ed (%)	Yield (ft³/sack)		Fluid Mix Ratio (gal/sack)	
. 0.0	118.0		125.0		1.36		6.53
Free Water (%)	ensity (lb/gal) 14.80	Zero Gel Time (min)		Thickening Time	(hr)	1st Compressive Strength (psi)	
Cement Fluid Additives							
Add	λ	Туг	e e			Conc	
Displacement							
[· · · · · · · · · · · · · · · · · · ·		Quantity (sacks)		Class		Volume Pumped (bbl)	
Displacement F	resh Water.			1,			.48.0
Estimated Top (ftKB) Es	stimated Bottom Depth (ftKB) 303.0	Percent Excess Pump	ed (%)	Yield (ft³/sack)		Fluid Mix Ratio (gal/sack)	•
Free Water (%)	ensity (lb/gal)	Zero Gel Time (min)		Thickening Time	(hr)	1st Compressive Strength (psi)	
Cement Fluid Additives							
Add		, Ty _l	oe .	. ,		Conc	
	,						



Intermediate Casing Cement

	E								*****		asing ochient
Well N	ame EN 23-26-26 FED 006		Lease Skeen 22-26-	26 Fed		Field Name Delaware	River		Business Mid-C	Unit Ontinent	
	d Elevation (ft) Origina	I RKB (ft)	Current RKB Eleva	ation		Delaware	1/14/01		<u> </u>		/ater Depth (ft)
	3,431.00	3,453.00	3,453.00, 3/4	/2015				 			
	inal Hole										
	re Name nal Hole		Directional Type Horizontal			Kick Off Dept	h (ftKB)		Vertical S 6,767	ection Direction (*)	. 0.05
Ongi		Size (in)	Tionzontai		Act To	pp (ftKB)			0,707	Act Btm (ftKB)	0.03
			17 1/2				· · · · · · · · · · · · · · · · · · ·	22.0			395.0
			12 1/4					395.0			1,925.0
			8 3/4				1,9	925.0	· · · · · · · · · · · · · · · · · · ·		12,122.0
<typ< td=""><td>>, <make> on <dttm< td=""><td>start> .</td><td>· · · · · · · · · · · · · · · · · · ·</td><td>*</td><td></td><td>Install Date</td><td></td><td></td><td></td><td></td><td></td></dttm<></make></td></typ<>	>, <make> on <dttm< td=""><td>start> .</td><td>· · · · · · · · · · · · · · · · · · ·</td><td>*</td><td></td><td>Install Date</td><td></td><td></td><td></td><td></td><td></td></dttm<></make>	start> .	· · · · · · · · · · · · · · · · · · ·	*		Install Date					
	<u> </u>					<u> </u>				- 	· · ·
	Des	Mal	ke /	Mo	del		WP (psi)		Service		SN
Con	ductor, Planned?-N,	80ftKB				<u> </u>				L	·
Casing	Description	Wellbore		Run Date	2045	Set Depth (M	D) (ftKB)		Up (ftKB)	Set Tensio	n (kips)
Cond	ductor	Original Hole		2/8/2	2015	Scratchers	`	80		-22.0	
				<u>,</u>		<u></u>			· · · · · · · · · · · · · · · · · · ·	,	
Jts	· Item De	ns .	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (fi)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
	Conductor Pipe		20	19.124	94.00	H-40			58.00	2	2 80
	ace, Planned?-N, 38			Run Data		Set Depth (M	D) (6)(D)	TOtion !	In (MCD)	· 104.7	- (li)-a)
Surfa	g Description BCE	Wellbore Original Hole	,	Run Date 3/24/	2015	Ser Debru (M	, (מיאו) ניטו	382	Up (ftKB)	341.8 Set Tensio	n (Kips)
Centra 5					 	Scratchers					
5	<u> </u>		T .	· · · · · · · · · · · · · · · · · · ·			Top Conn Sz			Top Depth (MD)	Btm Depth (MD)
Jts	Item De Landing Joint	95	OD (in). (ID (in) 12.715	Wt (lb/ft) 48.00	Grade	(in)	Top Thread	Len (ft) 0.00	(ffKB) -34	(ftKB) 2 -342
	Landing Joint		13 3/8		48.00			ST&C	0.00		
1	Wellhead		13 3/8	i 1	48.00			ST&C	3.37	1	_1
1	Wellhead	<u> </u>	13 3/8		48.00			ST&C	3.37	-L	_
1	Casing Pup Joint		13 3/8		48.00	H-40		ST&C	5.20	-33	
1	Casing Pup Joint	· · · · · · · · · · · · · · · · · · ·	13 3/8	12.715	48.00	H-40		ST&C	5.20	-33	0 -325
7	Casing Joint		13 3/8	12.715	48.00	H-40		ST&C	272.83	-32	5 -52
7	Casing Joint		13 3/8	1 1	48.00			ST&C	276.13		
	Float Collar		13 3/8	l 1	. 48.00			ST&C	1.38	1	
1	Float Collar		13 3/8	L 1	48.00			ST&C	1.38	l	
	Casing Joint		13 3/8 13 3/8	1 1	48.00			ST&C ST&C	75.92 75.92	L	
	Casing Joint Float Shoe		13 3/8		48.00			ST&C	1.54		1
	Float Shoe		13 3/8	1'	48.00			ST&C	1.54		-
	mediate Casing 1, P	lanned?-N. 1.9		1 .2 ,0		1	L		L	1	, 502
Casing	Description	Wellbore Original Hole		Run Date 3/29/	2015	Set Depth (M			Up (ftKB)	Set Tensio	n (kips)
Centra	mediate Casing 1	TOTIGINAL HOILE		3/29/	2015	Scratchers		1,915		-22.0	
12						<u> </u>	T				
Jts	Item De	os	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
	Landing Joint		9 5/8	1		HCK55		LTC	0.00	<u> </u>	2 22
	Pup Joint		9 5/8			HCK55		LTC	4.51	1	2 27
	Casing Joint	 	9 5/8 9 5/8			HCK55		LTC	1,798:43	L	1
	Casing Collar Casing Joint		9 5/8			HCK55		LTC.	1.44 86.96		
	Casing Shoe	···	9 5/8			HCK55		LTC	1.63		
	luction Casing, Plan	ned?-N. 12.093		0.000		1101100	L.,		1.03	1,01	1,913
Casing	Description	Wellbore		Run Date		Set Depth (M			Up (ftKB)	Set Tensio	n (kips)
Prod Centra	uction Casing	Original Hole		4/15/	2015	Scratchers	<u> </u>	2,093		-21.8	
122	mzel 3					Gualuleis					
Jts	Item De	· · · · · · · · · · · · · · · · · · ·	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
	Landing Joint		5 1/2			HCP-110	(11)	CDC	Len (II) 0.00		2 22



Intermediate Casing Cement

					
Well Name	•	Lease	Field Name	Business Unit	
SKEEN 23-26-26 FE	D 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)
	Hanger	5 1/2	'4.892		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	<u> </u>	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	<u> </u>	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 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.

Top Depth (ftKB)		Bottom Depth (ftKB)		Full Return?	Vol Cement Ret (bbl)	Top Plug?		Bottom Plug?	
	22.0	1,91	5.0	Υ	58.0	N		N	
Initial Pump Rate (bbl/min)		Final Pump Rate (bbl/min)		Avg Pump Rate (bbl/r	nin)	Final Pump Pressure (psi)		Plug Bump Pressure (psi)	
•	3		3		6		730.0	•	830.0
Pipe Reciprocated?		Reciprocation Stroke Length (ft)	$\neg \neg$	Reciprocation Rate (s	pm)	Pipe Rotated?		Pipe RPM (rpm)	
Y		20	.00		70	N	1		
Depth Tagged (MD) (ftKB)		Tag Method		Depth Plug Drilled Ou	it To (ftKB)	Drill Out Diameter (in)		Drill Out Date	



Intermediate Casing Cement

Weil Name		Lease			Field Name			Business			
SKEEN 23-26-26 FE		Skeen 22-26			Delaware River	·		Mid-Co			
Ground Elevation (ft) 3,431.00	Original RKB (ft	Current RKB Elev 3,453.00 3,453.00, 3/4						Mud Line I	Elevation (ft)	Water Depth (ft)	
Spacer		*.		<u> </u>	·					•	
Fluid Type		Fluid Description	40.4	Quantity (sacks)		Class			Volume Pumpe	ed (bbl)	
Spacer		Mud Flush III Spacer Dye									20.0
Estimated Top (ftKB)	22.0	Estimated Bottom Depth (ftK	В)	Percent Excess Pump	ed (%)	Yield (ft³/sack))		Fluid Mix Ratio	(gal/sack)	
Free Water (%)		Density (lb/gal)		Zero Gel Time (min)		Thickening Tir	ne (hr)		1st Compressiv	ve Strength (psi)	
Cement Fluid Addi	ives						j.			:	
	Add			Ту	pe				Conc		
,		•			,					,	
Lead	······································		· · · · · · · · · · · · · · · · · · ·			· . · · · · ·	 				
Fluid Type		Fluid Description		Quantity (sacks)		Class			Volume Pumpe	ed (bbl)	
Lead	•	Cemex Premium Plus	C		445	c.				. ,	131.3
Estimated Top (ftKB)	22.0	Estimated Bottom Depth (ftK	^{B)} 710.0	Percent Excess Pump	ed (%) 100.0	Yield (ft³/ṣack))	1.66	Fluid Mix Ratio	(gal/sack)	8.63
Free Water (%)		Density (lb/gal)	13.70	Zero Gel Time (min)		Thickening Tir	me (hr)		1st Compressiv	e Strength (psi)	
Cement Fluid Addi	tives			·		<u> </u>					
	Add		······································	Ту	ре		<u> </u>		Conc		
•	1										
Tail											
Fluid Type		Fluid Description	•• • •	Quantity (sacks)	· · · · · · · · · · · · · · · · · · ·	Class			Volume Pumpe	ed (bbl)	-
Tail		Cemex Premium Plus	C		315	C					74.4
Estimated Top (ftKB)		Estimated Bottom Depth (ftK		Percent Excess Pump	. , ,	Yield (ft³/sack))	•	Fluid Mix Ratio	(gal/sack)	
	1,630.0	L	.1,900.0		100.0		- *	1.33			6.34
Free Water (%)		Density (lb/gal)	14.80	Zero Gel Time (min)		Thickening Tir	me (hr)		1st Compressiv	e Strength (psi)	
Cement Fluid Addi	tives								•		
	Add			` Ty	pe				Çonc		
									,		
Displacement				*.	•			4.5			· · · · ·
Fluid Type		Fluid Description		Quantity (sacks)		Class		,	Volume Pumpe	ed (bbl)	
Displacement	•	20 bbls Spacer 118.8 bbls Fresh water	er -								138.8
Estimated Top (ftKB)	31.0	Estimated Bottom Depth (ftK	B) 1,900.0	Percent Excess Pump	ed (%)	Yield (ft³/sack))		Fluid Mix Ratio	(gal/sack)	
Free Water (%)		Density (lb/gal)		Zero Gel Time (min)		Thickening Tir	me (hr)		1st Compressiv	ve Strength (psi)	
Cement Fluid Addi	tives			<u> </u>		·					
	Add			Ту	pe .		1		Conc		
				-			,				
							l				
		,.									

Chevron

Cement Summary

Production Casing Cement

Well N	lame EN 23-26-26 FED 006		_{.ease} Skeen 22-26-2	26 Fed		Delaware	River			ess unit -Continent		
	d Elevation (ft) Original	RKB (ft) C	urrent RKB Eleva	tion		<u> </u>				ine Elevation (ft)	Wate	r Depth (ft)
	3,431.00	3,453.00[3	3,453.00, 3/4/	2015				_				
Orio	inal Hole						····					
	ore Name	D	Oirectional Type			Kick Off Dept	th (ftKB)			al Section Direction	(°)	
Origi	inal Hole		lorizontal.	<u> </u>		<u> </u>	· - · · · · ·		6,767			0.05
	Hole S	lize (in)	17 1/2		Act To	p (ftKB)		22.0		Act Btm (ftKB)		395.0
	· · · · · · · · · · · · · · · · · · ·		12 1/4					395.0	· · · · · · · · · · · · · · · · · · ·	<u>:</u>		1,925.0
			8 3/4					925.0				12,122.0
	· · · · · · · · · · · · · · · · · · ·	445	0 3/4					923.0				12,122.0
<typ< td=""><td>>, <make> on <dttms< td=""><td>tart></td><td></td><td>'</td><td></td><td>Install Date</td><td></td><td>·_</td><td></td><td></td><td></td><td></td></dttms<></make></td></typ<>	>, <make> on <dttms< td=""><td>tart></td><td></td><td>'</td><td></td><td>Install Date</td><td></td><td>·_</td><td></td><td></td><td></td><td></td></dttms<></make>	tart>		'		Install Date		·_				
.,,,,	,											
	Des	Mak	e .	Mo	del		WP (psi)		Service			SN
_						<u> </u>		l				······································
	ductor, Planned?-N, 1 g Description	Wellbore		Run Date		Set Depth (N	MD) (HKB)	Stick	Jp (ftKB)	I Set Te	nsion (k	ine)
	ductor	Original Hole		- 2/8/2	2015	CCt Doptin (iii	ib) (ititb)	80	אָל (ומיט)	-22.0	1101011 (11	
Centra	alizers .			····		Scratchers	,	- '				
			<u> </u>	· · · · · ·		1	Top Conn Sz			Top Depth (MD\	Btm Depth (MD)
Jts	Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade	(in).	Top Thread	Len (ft)	(ftKB)		(ftKB)
	Conductor Pipe		20	19.124	94.00	H-40			58.	00	22	80
	lace, Planned?-N, 382					10.0			J			
Casin Surf	g Description	Wellbore Original Hole		Run Date 3/24/	2015	Set Depth (N	AD) (ftKB)	382 Stick	Jp (ftKB)	341.8	ension (k	ips)
	alizers	· ·		0,2.0		Scratchers				011.0		
5	<u> </u>			_		ļ.,			<u> </u>			
Jts	· Item De:	3	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD)	Btm Depth (MD) (ftKB)
	Landing Joint		13 3/8	12.715	48.00	H-40		ST&C			-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
Inte	rmediate Casing 1, Pl	anned?-N, 1,9	15ftKB					<u> </u>				
	g Description	Wellbore Original Hole		Run Date	12015	Set Depth (A			Jp (ftKB)		nsion (k	ips)
	mediate Casing 1	Original Hole		31291	2015	Scratchers		1,915		-22.0		
12												
Jts	. Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth ((ftKB)	MD)	Btm Depth (MD) (ftKB)
	Landing Joint	<u> </u>	9 5/8	8.835		HCK55	("")	LTC		00	22	22
1	<u> </u>		9 5/8	8.835		HCK55	 	LTC		51	22	27
40	<u> </u>		9 5/8	8.835		HCK55	 	LTC	. 1,798.	1	27	1,825
1	Casing Collar		9 5/8	8.835		HCK55	 	LTC			,825	1,826
2	Casing Joint		9 5/8	8.835		HCK55	 :-	LTC	86.		,826	1,913
	Casing Shoe		9 5/8	8.835		HCK55	 	LTC			1,913	1,915
L	duction Casing, Plant	ned?-N. 12 093	L	0.000			L	L	·		,0 ,0	1,013
Casin	g Description	Wellbore		Run Date	·	Set Depth (N	MD) (ftKB)	Stick	Jp (ftKB)	Set Te	ension (k	ips)
Proc	duction Casing	Original Hole			2015			2,093	·	-21.8		<u> </u>
	alizers					Scratchers						
122	1		1			 	Top Conn Sz	 		Top Depth (MDV	Btm Depth (MD)
Jts	Item Des	3	OD (in)	ID (in)	Wt (lb/ft)	Grade	(in)	Top Thread	Len (ft)	(ftKB)		(ftKB)
1 0	Landing Joint	•	5 1/2	4.892	17.00	HCP-110		CDC	0.	00	22	22
<u> </u>	L		L			<u> </u>	L	<u></u>				
[
1							-					



Production Casing Cement

Well Name SKEEN 23-26-26 FED 006H	Lease Skeen 22-26-26 Fed		Business Unit 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 S (in)	Z Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
	Hanger	5 1/2	4.892		HCP-110		CDC	0.31	22	2
1	Pup -	5 1/2	4.892	17.00	HCP-110		CDC	5.21	. 22	
65	Casing Joint	5 1/2	4.892	17.00	HCP-110	1	CDC	6,642.49	27.	· 6,67
1	Marker	5 1/2	4.892	.17.00	HCP-110		CDC	9.66	6,670	6,68
131	Casing Joint	5 1/2	4.892	17.00	HCP-110	,	CDC	5,213.76	6,680	11,89
1	Pup	5 1/2	4.892	17.00	HCP-110		CDC	9.96	11,893	11,90
1	RSI	5 1/2	4.892	, 17.00	HCP-110		CDC	5.50	11,903	11,90
1	Pup	, 5 1/2	4.892	17.00	HCP-110·		CDC	10.00	11,909	11,9
1	Casing Joint	5 1/2.	4.892	17.00	HCP-110		CDC	37.97	11,919	11,9
1	Pup	5 1/2	4.892	. 17.00	HCP-110		CDC	9.58	11,957	. 11,96
1	Landing Collar	5 1/2	. 4.892	17.00	HCP-110		CDC	1.51	11,966	11,96
1	Casing Joint	5 1/2	4.892	17.00	HCP-110	·	CDC	39.26	11,968	12,0
1	Float Collar	5 1/2	4.892	17.00	HCP-110		CDC	2.01	12,007	12,0
2	Casing Joint	5 1/2	4.892	. 17.00	HCP-110		CDC	81.44	12,009	12,0
				47.00	1100 440		CDC			10.0
1	Float Shoe	5 1/2	4.892	17.00	HCP-110	l	L C D C	2.50	12,091	12,0
				17.00	HCP-110		CDC	2.50	12,091	12,0
rod	luction Casing Cement, Ca	sing, 4/16/2015 15:49		Date		<u> </u>	Wellb	ore	12,091	12,0
Prod	luction Casing Cement, Ca	sing, 4/16/2015 15:49	Cementing End D	Date 4/16	6/2015		Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer	Juction Casing Cement, Canting Start Date 4/16/2015	sing, 4/16/2015 15:49	Cementing End D	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Evalua	Juction Casing Cement, Canting Start Date 4/16/2015	sing, 4/16/2015 15:49 Cement Evaluation Lost returns 2	Cementing End D	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Evalua Commo Pump	Luction Casing Cement, Canting Start Date 4/16/2015 ation Method P Production cement job as publices to 5,000 psi	sing, 4/16/2015 15:49 Cement Evaluation Lost returns 2	Cementing End D	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Evalua Comm Pump Test	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lent p Production cement job as publices to 5,000 psi BLs FW spacer	sing, 4/16/2015 15:49 Cement Evaluation Lost returns 2	Cementing End D	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Evalua Commo Pump Test 10 BI 20 BI	Luction Casing Cement, Canting Start Date 4/16/2015 ation Method P Production cement job as publices to 5,000 psi	Cement Evaluation Lost returns 2	Cementing End D	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Commo Commo Fest 10 Bl 20 Bl 143 E 279 E	luction Casing Cement, Canting Start Date 4/16/2015 attion Method lines to 5,000 psi BLs FW spacer BBLs Tuned Spacer BBLs (870 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L	Cement Evaluation Lost returns 2 per follows:	Cementing End D	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Commo Pump Test 10 Bl 20 Bl 143 E 279 E	luction Casing Cement, Canting Start Date 4/16/2015 ation Method P Production cement job as p lines to 5,000 psi BLs FW spacer BLs Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BLs (100 sxs) of 15 ppg Tail	Cement Evaluation Lost returns 2 per follows:	Cementing End D	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Comm Pump Test 10 Bl 20 Bl 20 Bl 279 E 443 E	luction Casing Cement, Canting Start Date 4/16/2015 attion Method lines to 5,000 psi BLs FW spacer BBLs Tuned Spacer BBLs (870 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L	Cement Evaluation Lost returns 2: per follows:	Results Ob bbls into the second sec	Date 4/16	6/2015	bbls into	Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Evalua Comm Pump Test 110 BI 20 BI 443 E 447 BI Orop 282.4	luction Casing Cement, Canting Start Date 4/16/2015 Attion Method Attion Metho	Cement Evaluation Lost returns 2 per follows: Lead 1 Lead 2	Results Ob bbls into (Date 4/16 displacement	6/2015 of FW (228		Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Comm Pump Test 10 Bl 20 Bl 443 E 47 Bl Drop 282.4	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lines to 5,000 psi BLs FW spacer BLs-Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BLs (100 sxs) of 15 ppg Tail Dart Plug and 2 Foam Balls	Cement Evaluation Lost returns 2 per follows: Lead 1 Lead 2	Results Ob bbls into (Date 4/16 displacement	6/2015 of FW (228		Wellb Orig	ore inal Hole	12,091	12,0
Prod Cemer Pump Fest 10 Bl 10 Bl 1443 E 147 Bl Drop 282.4	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lines to 5,000 psi BLs FW spacer BBLs Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BLs (100 sxs) of 12.5 ppg L BLs (100 sxs) of 15 ppg Tail Dart Plug and 2 Foam Balls 4 BBLs FW Displacement (fir p Plug with 500 psi over at x 17.0-12,122.0ftKB eptit (fKKB)	Cement Evaluation Lost returns 2 per follows: Lead 1 Lead 2	Results 26 bbls into c	displacement in. Bled back	s/2015 of FW (228	oats held. Ret (bbl) To	Wellb Orig displacement	ore inal Hole t total)	Bottom Plug?	
Prod Cemer Pump Pest 10 Bl 20 Bl 443 E 279 E 17 Bl Drop 282.4	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lent p Production cement job as public sto 5,000 psi BLs FW spacer BLs Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BBLs (100 sxs) of 12.5 ppg Tail p Dart Plug and 2 Foam Balls 4 BBLs FW Displacement (fir p Plug with 500 psi over at x 17.0-12,122.0ftKB epth (fixB)	cere follows: Lead 1 Lead 2 rst 24 BBLs with MMCi xx psi. FCP = xxx psi. Bottom Depth (ftKB)	Results 26 bbls into c	nin. Bled back	of FW (228	pats held. Rer (bbl) To 0.0	Wellb Orig displacement	ore inal Hole t total)	Bottom Plug?	Υ.
Prod Cemer Pump Pest 10 Bl 20 Bi 443 E 279 E 30 Drop 282.4	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lent p Production cement job as public sto 5,000 psi BLs FW spacer BLs Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (980 sxs) of 12.5 ppg L BBLs (100 sxs) of 12.5 ppg Tail p Dart Plug and 2 Foam Balls 4 BBLs FW Displacement (fir p Plug with 500 psi over at x 17.0-12,122.0ftKB epth (fitXB)	Cement Evaluation Lost returns 2 per follows: Lead 1 Lead 2 rst 24 BBLs with MMCI xx psi. FCP = xxx psi.	Results 26 bbls into c	displacement in. Bled back	of FW (228	pats held. Rer (bbl) To 0.0	Wellb Orig displacement	ore inal Hole t total)	Bottom Plug?	Υ.
Prod Cemer Pump Test 10 Bl 20 Bl 1443 E 17 Bl Drop 282.4 Sump 1, 64	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lent p Production cement job as public sto 5,000 psi BLs FW spacer BLs. Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BLs (100 sxs) of 15 ppg Tail p Dart Plug and 2 Foam Balls 4 BBLs FW Displacement (fir p Plug with 500 psi over at x 17.0-12,122.0ftKB epth (fixB) 647.0 Pump Rate (bbl/min) 6 feciprocated?	cere follows: Lead 1 Lead 2 rst 24 BBLs with MMCi xx psi. FCP = xxx psi. Bottom Depth (ftKB)	Results 26 bbls into 6 Results 12,122.0	nin. Bled back	of FW (228 x BBLs; flo	pats held. Ret (bbl) To 0.0 Fin 7	Wellb Orig displacement	ore inal Hole t total) N a (psi) 968.0	Bottom Plug?	Υ.
Prod Cemer Pump Fest 10 Bl 20 Bl 443 E 279 E 17 Bl Drop 282.4	luction Casing Cement, Canting Start Date 4/16/2015 ation Method Pump Rate (bbl/min) 4/16/2015	cement Evaluation Lost returns 2 per follows: Lead 1 Lead 2 Lead 2 Lead 2 Lead 2 Lead 2 Lead 2 Lead 3 Lead 4 Lead 5 Lead 5 Lead 6 Lead 7 Lead 8 Lead 9 Lead 9 Lead 9 Lead 9 Lead 1 Lead 1 Lead 1 Lead 1 Lead 2 Lead 1 Lead 1 Lead 2 Lead 1 Lead 1 Lead 2 Lead 1	Results 26 bbls into 6 c	nin. Bled back	x BBLs; flot Vol Cement Vmin) (spm)	pats held. Ret (bbl) To 0.0 Fin 7 Pip	Wellb Orig displacement	ore inal Hole t total) N (psi) 968.0	Bottom Plug? Plug Bump Pressure	Υ.
Prod Cemer Pump Pest 10 Bl 20 Bl 443 E 17 Bl 282.4 Bump 1, 64 Fop De	luction Casing Cement, Canting Start Date 4/16/2015 Attion Method Attion Metho	cement Evaluation Lost returns 2 cer follows: .ead 1 .ead 2 rst 24 BBLs with MMCI xx psi. FCP = xxx psi. Bottom Depth (ftKB) Final Pump Rate (bbl/min) Reciprocation Stroke Length (Results 26 bbls into 6 c	displacement displacement displacement N g Pump Rate (bb	x BBLs; flot Vol Cement Vmin) (spm)	pats held. Ret (bbl) To 0.0 Fin 7 Pip	Wellb Orig displacement p Plug? al Pump Pressure e Rotated?	ore inal Hole t total) N (psi) 968.0	Bottom Plug? Plug Bump Pressure Pipe RPM (rpm)	Υ.
Prod Cemer Pump Test 10 Bl 20 Bl 443 E 279 E 30 De 30 De 1, 64	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lent p Production cement job as public sto 5,000 psi BLs FW spacer BBLs FW spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BBLs (100 sxs) of 12.5 ppg Tail p Dart Plug and 2 Foam Balls 4 BBLs FW Displacement (fir p Plug with 500 psi over at x 17.0-12,122.0ftKB epith (fitKB) 647.0 Pump Rate (bbl/min) 6 Reciprocated? N Tagged (MD) (fitKB)	cement Evaluation Lost returns 2 cer follows: .ead 1 .ead 2 rst 24 BBLs with MMCI xx psi. FCP = xxx psi. Bottom Depth (ftKB) Final Pump Rate (bbl/min) Reciprocation Stroke Length (Results 26 bbls into 6 hbls in	displacement displacement displacement N g Pump Rate (bb	x BBLs; flot Vol Cement Vmin) (spm)	pats held. Ret (bbl) To 0.0 Fin 7 Pip	Wellb Orig displacement p Plug? al Pump Pressure e Rotated?	ore inal Hole t total) N (psi) 968.0	Bottom Plug? Plug Bump Pressure Pipe RPM (rpm)	Y (psi)
Producement value of the committee of th	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lent p Production cement job as public sto 5,000 psi BLs FW spacer BLs. Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BBLs (100 sxs) of 15 ppg Tail part Plug and 2 Foam Balls 4 BBLs FW Displacement (fir p Plug with 500 psi over at x 17.0-12,122.0ftKB epith (fitKB) Pump Rate (bbl/min) 6 deciprocated? N Tagged (MD) (fitKB)	cement Evaluation Lost returns 2 cer follows: Lead 1 Lead 2 Lost FCP = xxx psi. Bottom Depth (ftKB) Final Pump Rate (bbl/min) Reciprocation Stroke Length (Tag Method	Results 26 bbls into 6 hbls in	nin. Bled back ill Return? N g Pump Rate (bb eciprocation Rate epth Plug Drilled C	x BBLs; flo	Dats held. Ret (bbl) Top 0.0 Fin 7 Pip Dril	p Plug? al Pump Pressure e Rotated?	ore inal Hole t total) N (psi) 968.0	Bottom Plug? Plug Bump Pressure Pipe RPM (rpm) Drill Out Date Volume Pumped (bb)	Y (psi)
Producement of the produce of the pr	luction Casing Cement, Canting Start Date 4/16/2015 ation Method lent p Production cement job as public sto 5,000 psi BLs FW spacer BLs. Tuned Spacer BBLs (980 sxs) of 11.3 ppg L BBLs (870 sxs) of 12.5 ppg L BBLs (100 sxs) of 15 ppg Tail part Plug and 2 Foam Balls 4 BBLs FW Displacement (fir p Plug with 500 psi over at x 17.0-12,122.0ftKB epith (fitKB) Pump Rate (bbl/min) 6 deciprocated? N Tagged (MD) (fitKB)	cement Evaluation Lost returns 2 cer follows: Lead 1 Lead 2 Lost returns 2 Lead 1 Lead 2 Lead 3 Lead 4 Lead 5 Lead 6 Lead 6 Lead 7 Lead 8 Lead 9 Lead 9 Lead 1 Lead 9 Lead 1 Lead 9 Lead 1 Lead 1 Lead 1 Lead 2 L	Results 26 bbls into 6 hbls in	displacement displacement displacement N g Pump Rate (bb eciprocation Rate	x BBLs; flo	Dats held. Ret (bbl) Top 0.0 Fin 7 Pip Dril	Wellb Orig displacement p Plug? al Pump Pressure e Rotated?	ore inal Hole t total) N (psi) 968.0	Bottom Plug? Plug Bump Pressure Pipe RPM (rpm) Drill Out Date	Y (psi)



Production Casing Cement

Well Name SKEEN 23-26-26 FED 006H	Lease Skeen 22-26-2	26 Fed	Field N	_{ame} vare River	-		Business I Mid-Co		
Ground Elevation (ft) Original RKB (ft)	Current RKB Eleva	tion		raro raror				Elevation (ft) Water Depth (ft)	
3,431.00 3	3,453.00 3,453.00, 3/4/	2015	 					<u></u>	
Cement Fluid Additives									
Add			. Туре .					Conc	
		 							
Spacer , Fluid Type	Fluid Description		Quantity (sacks)		Class		· · · · · ·	Volume Pumped (bbl)	
Spacer	Tuned Spacer III	٠,	, ,						20.0
;	-0.5 Gal MUSO (R)-A								
9	-0.5 Gal SEM-7 -0.5 Gal Dual Spacer		•	·					1
•	surfactant B	٠,	•						
	-0.3 Gal D-Air 3000L -10 ppg mud							•	
Estimated Top (ftKB)	Estimated Bottom Depth (ftKE	3)	Percent Excess Pumped (%)		Yield (ft³/sack)	· · ·	-	Fluid Mix Ratio (gal/sack)	
Free Water (%)	Density (lb/gal)		Zero Gel Time (min)		Thickening Tir	ne (hr)		1st Compressive Strength (psi)	
Cement Fluid Additives								<u> </u>	 -
Add		· · · ·	Туре	·		, ,		Conc	
Lead									,
Fluid Type	Fluid Description VeriCem - H		Quantity (sacks)	980	Class			Volume Pumped (bbl)	442.0
Lead	- 3 lbm Kol-Seal			900					443.0
· .	- 0.25 lbm D-Air 5000						•	•	
	- 0.10% HR-601								1
Estimated Top (ftKB)	-0.1%SA-1015 Estimated Bottom Depth (ftKE	8)	Percent Excess Pumped (%)		Yield (ft³/sack	· · · · · · · · · · · · · · · · · · ·		Fluid Mix Ratio (gal/sack)	<u></u>
1,400.0	, ,	6,563.0		100.0		,	2.54		15.11
Free Water (%)	Density (lb/gal)	11.30	Zero Gel Time (min)		Thickening Tir	ne (hr)	6.50	1st Compressive Strength (psi)	
Cement Fluid Additives	L	11.50			<u></u>		0.50		
. Add			Туре				·	Conc	
Lead								•	
Fluid Type Lead	Fluid Description VariCem - H		Quantity (sacks)	870	Class			Volume Pumped (bbl)	279.0
Lead	- 0.20% Super CBL			070	1			* .	219.0
	- 3 lbm Kol-Seal					•			٠.
	- 0.30% CFR-3, - 0.50% Halad(R)-344								
	- 0.45% HR-601	:	,					•	
Estimated Top (ftKB)	Estimated Bottom Depth (ftKE		Percent Excess Pumped (%)		Yield (ft³/sack)		Fluid Mix Ratio (gal/sack)	
6,563.0 Free Water (%)	Density (lb/gal)	14,700.0	Zero Gel Time (min)	35.0	Thickening Ti	70.760	1.82	1st Compressive Strength (psi)	9.64
Free vvater (%)	Delisity (ib/gai)	12.50			i mickening m	ne (rii)	5.28		1
Cement Fluid Additives									
Add		.,	Туре			٠,	·	Conc ,	
T-11:						· · ·			
Tail Fluid Type	Fluid Description		Quantity (sacks)		Class			Volume Pumped (bbl)	·
Tail	SoluCem-H			100	Н .	•		,	47.0
	- 0.25 lbm D-Air 5000 - 0.70% HR-601								
Estimated Top (ftKB)	Estimated Bottom Depth (ftKE	3)	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) ,	15.00	Zero Gel Time (min)	٠.	Thickening Ti	me (hr)	5.11	1st Compressive Strength (psi)	
Cement Fluid Additives									
Add			Туре	·				Conc	
Diamin				·		<u></u>			`
Displacement Fluid Type	Fluid Description		Quantity (sacks)		Class			Volume Pumped (bbl)	
Displacement	MSA Acid								22.0
Estimated Top (ftKB)	Estimated Bottom Depth (ftKE	3)	Percent Excess Pumped (%)		Yield (ft³/sack)		Fluid Mix Ratio (gal/sack)	
Free Water (%)	Density (lb/gal)		Zero Gel Time (min)	<u> </u>	Thickening Ti	me (hr)		1st Compressive Strength (psi)	
<u> </u>			<u> </u>		L		<u>-</u>		
			•		*				ĺ
					•			•	ŀ
L			· · · · · · · · · · · · · · · · · · ·						



Production Casing Cement

Well Name	Lease		Field Name		Business Unit		
SKEEN 23-26-26 FED 006H	Skeen 22-26-26	i Fed	Delaware River	1	Mid-Continent		
Ground Elevation (ft) Original RKB					Mud Line Elevation (ft) Water Depth (ft)		
3,431.00	3,453.00 3,453.00, 3/4/20	115			1	<u> </u>	
Cement Fluid Additives						· · · · · · · · · · · · · · · · · · ·	
Add		'т	уре		Conc)	
Displacement			,				
Fluid Type	Fluid Description	Quantity (sacks)	Class		Volume Pump		
Displacement	Fresh Water		1 .		l	264.0	
Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Purr	nped (%) Yield (ft³/s	ack)	Fluid Mix Ratio	(gal/sack)	
Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickenin	g Time (hr)	1st Compressi	ve Strength (psi)	
Cement Fluid Additives							
Add		, Т	ype		Conc		