

Submit 1 Copy To Appropriate District Office
District I -- (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II -- (575) 748-1283
811 S. First St., Artesia, NM 88210
District III -- (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV -- (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-22894
1. Type of Well: Oil Well ☐ Gas Well ☒ Other SWD - 1701		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator LEGEND NATURAL GAS III, LIMITED PARTNERSHIP		6. State Oil & Gas Lease No.
3. Address of Operator 15021 KATY FREEWAY, SUITE 200, HOUSTON, TX 77094		7. Lease Name or Unit Agreement Name STATE GQ COM
4. Well Location Unit Letter <u>J</u> : <u>1980</u> feet from the <u>S</u> line and <u>1980</u> feet from the <u>E</u> line Section <u>7</u> Township <u>25S</u> Range <u>28E</u> NMPM <u>EDDY</u> County		8. Well Number <u>3H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3052' GR		9. OGRID Number 217955
		10. Pool name or Wildcat BLACK RIVER, DELAWARE

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

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

OTHER: ☐

OTHER: SWD PROOF OF CEMENT ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/7/07 STATE GQ COM 1H-COMPLETIONS FILED; SURF. CASING SET AT 413' W/ 500 SXS CMNT; CIRC TO SURFACE; INTER. CASING SET AT 2419' W/2400 SXS CMNT; CIRC TO SURFACE; PROD. CASING SET AT 9273' W/2100 SXS CMNT; CIRC TO SURFACE; 4 1/2" LINER SET FROM 8642'-12930' w/TOP @ 8642'
03/03/2013-CBL LOG-RAN; SUBMITTED TO ARTESIA DIST. OFFICE; RECEIVED 3/10/2013

STATE GQ COM 3H-WAS DRILLED PRIOR TO CONVERSION-SPUD DATE 1/11/2013; SURF. CASING SET @ 417' W/480 SXS CMNT; CIRC TO SURFACE; INTER. CASING SET @ 2513' W/750 SXS CMNT; CIRC TO SURFACE; PROD CASING SET @ 12461' W/2410 SXS CMNT; TOC @ 500'; CBL LOG-RAN; SUBMITTED TO ARTESIA DIST. OFFICE 4/11/2013

3/4/2013-MIT TEST WAS COMPLETED; TESTED TO 500 PSI; HELD FOR 60 MIN, PLOTTED ON CHART

3/5/2013- PERFORATED: 5240-5320; 5346-5386; 5410-5490

3/6/2013-ACIDIZED W/10000 GAL 15% HCl AND PUMPED 600 BBLs 7% KCl PKR set @ 5199'
3/10/2013-PRESSURE TEST CSG/TBG ANNULUS TO 500 PSI W/ CHART FOR 30 MIN; GOOD TEST, BLEED OFF, H/U TO TUBING; RELEASE ALL EQUIPMENT

Spud Date:

04/01/1979

Rig Release Date:

06/14/1979

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE JENNIFER MOSLEY TITLE SR. REGULATORY ANALYST DATE 04/11/2013

Type or print name JENNIFER MOSLEY E-mail address: jmosley@lng2.com PHONE: 817-872-7822

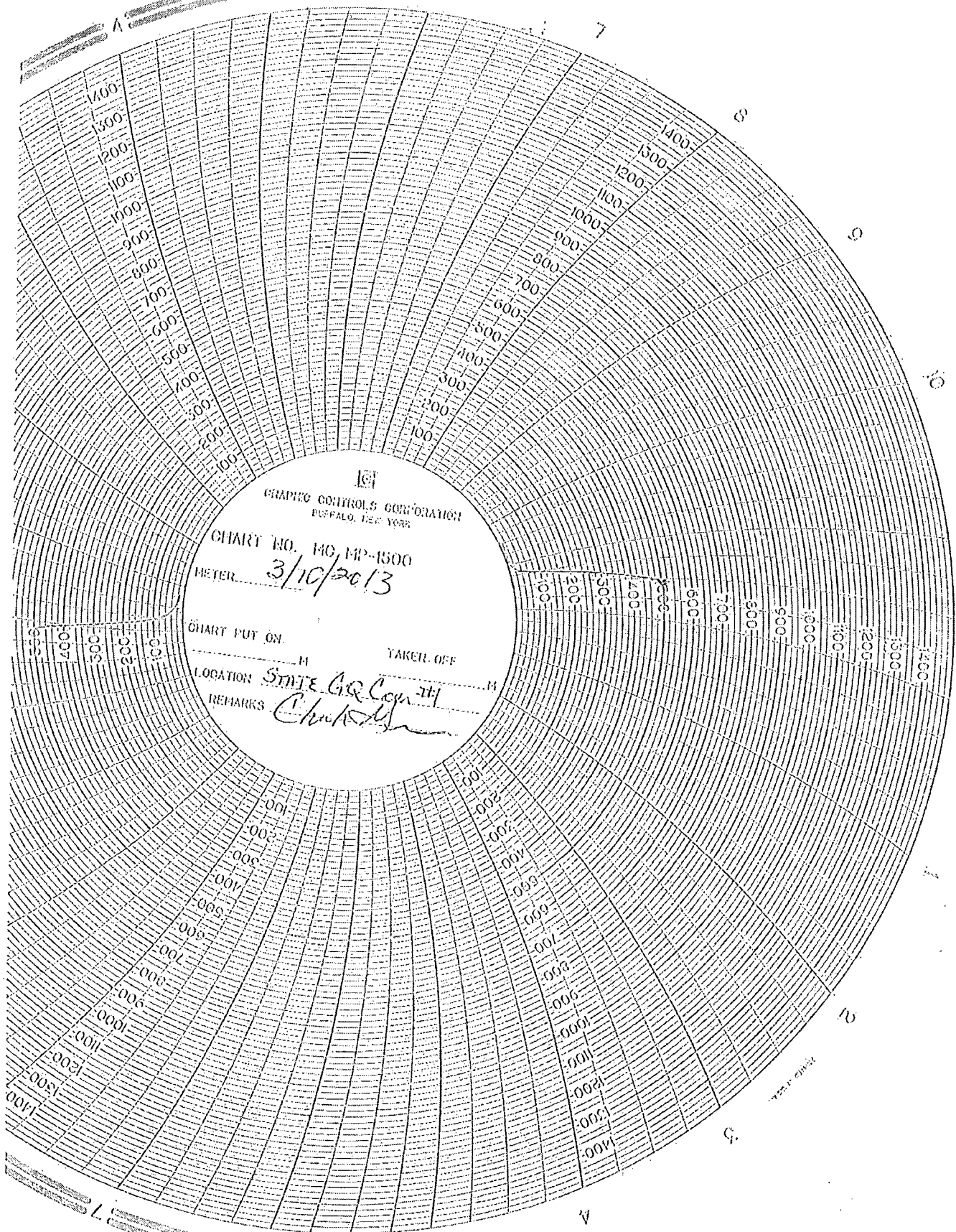
For State Use Only

APPROVED BY: Reynolds Innes TITLE COMPLIANCE OFFICER DATE 4/23/13

Conditions of Approval (if any):

OK TO BEGIN INJECTION
INITIAL INJECTION DATE 4/4/2013 PER PRIOR C103.

5 6 AM



CHAPING CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-1500

METER 3/10/2013

CHART PUT ON

TAKEN OFF

LOCATION STATE G.R. Corp. 111

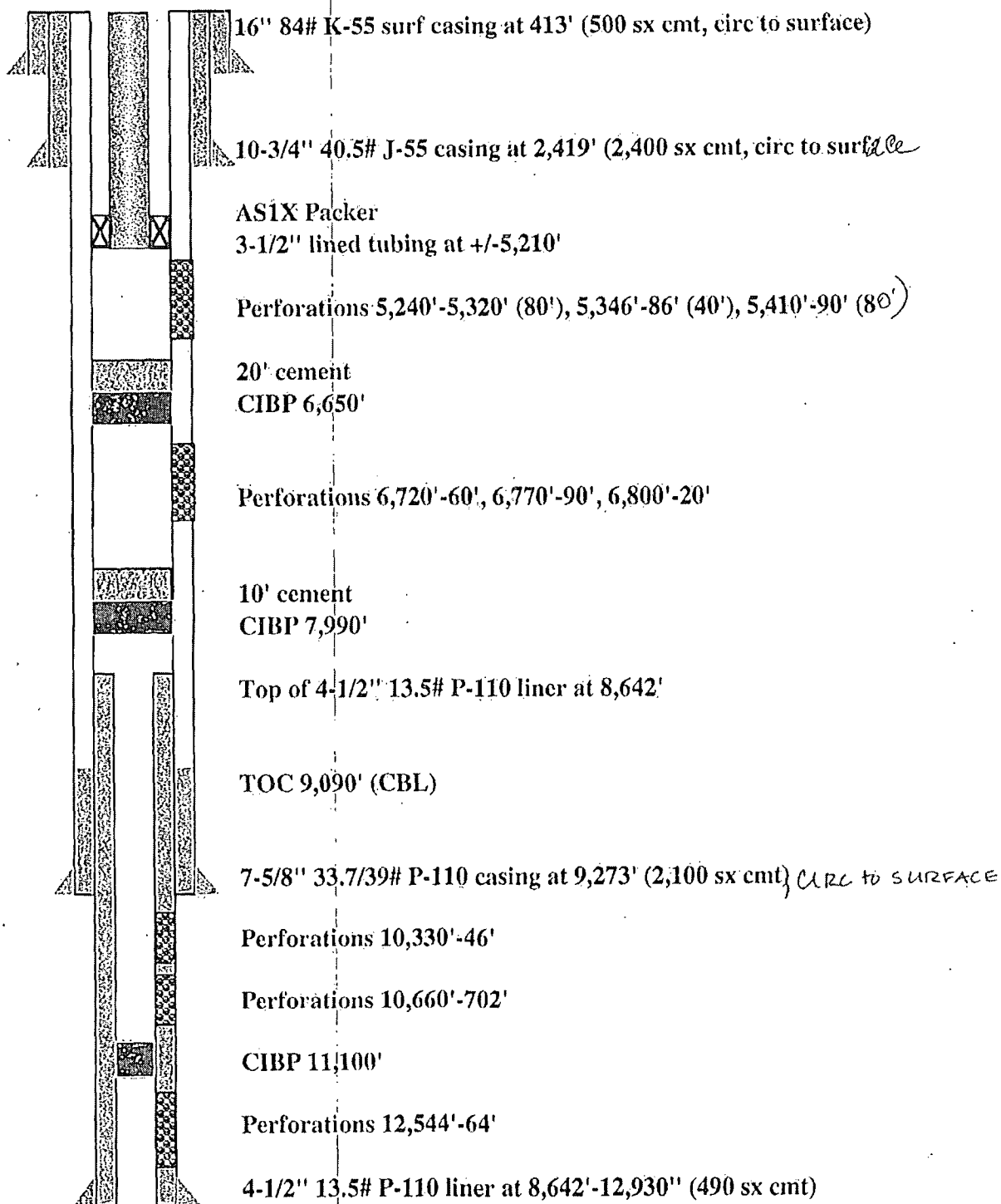
REMARKS Chuk/15/11

NOON

5 6 PM

5

State GQ Com #1 proposed SWD wellbore diagram
(API 30-015-22894)



Wellbore									
Wellbore Name		Profile Type		Kick Off Depth (ftKB)		Vertical Section Direction (*)			
Original Hole		Vertical							
Section Des		Size (in)		Act Top (ftKB)		Act Btm (ftKB)			
Conductor		24		17.0		57.0			
Surface		17 1/2		57.0		413.0			
Intermediate 1		14 3/4		413.0		2,419.0			
Intermediate 2		9 7/8		2,419.0		9,274.0			
Production		6 1/2		9,274.0		12,930.0			
Wellhead									
Type									
Des		Make		Model		SN		WP Top (psi)	
Last Mud Check									
Date		Type		Depth (ftKB)		MW (lb/gal)		FV (s/qt)	
Casing									
Casing Description				Run Date		Set Depth (ftKB)		Wellbore	
Liner				6/5/2004 12:00		12,930.0		Original Hole	
Centralizers				Scratchers					
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
1	Liner Hanger	6.765	3.900			21.00	8,642.0	8,663.0	
10 2	Casing Joints	4 1/2	3.920	13.50	P-110	4,224.00	8,663.0	12,887.0	
1	Float Collar	4 1/2				1.00	12,887.0	12,888.0	
1	Casing Joints	4 1/2	3.920	13.50	P-110	41.00	12,888.0	12,929.0	
1	Float Shoe	4 1/2				1.00	12,929.0	12,930.0	
Cement: Liner Cement									
Cementing Start Date		Cementing End Date			Wellbore				
6/6/2004		6/6/2004			Original Hole				
Evaluation Method		Cement Evaluation Results							
Returns to Surface									
Comment									
Cement Stage: Liner Cement									
Top Depth (ftKB)		Bottom Depth (ftKB)		Fluid Return?		Vol Cemo...		Top Plug?	
9,090.0		12,930.0						Yes	
Q Pump Init (bbbl/min)		Q Pump Final (bbbl/min)		Avg Pump Rate (bbbl/min)		Final Pump Pressure (psi)		Plug Bump Pressure (psi)	
Pipe Reciprocated?		Stroke (ft)		Reciprocation Rate (spm)		Pipe Rotated?		Pipe RPM (rpm)	
Tagged Depth (ftKB)		Tag Method		Depth Plug Drilled Out...		Drill Out Diameter (in)		Drill Out Date	
Cement Fluid: <Description?>									
Flt/d Type		Fluid Description				Amount (s...)		Class	
Estimated Top (ftKB)		Est Btm (ftKB)		Yield (ft ³ /sack)		Mix H2O Ratio (gal/sack)		Free Water (%)	
Density (lb/gal)		Plastic Viscosity (cp)		Thickening Time (hr)		1st Compressive Strength (psi)			
Cement Fluid Additives									
Add		Type				Conc			

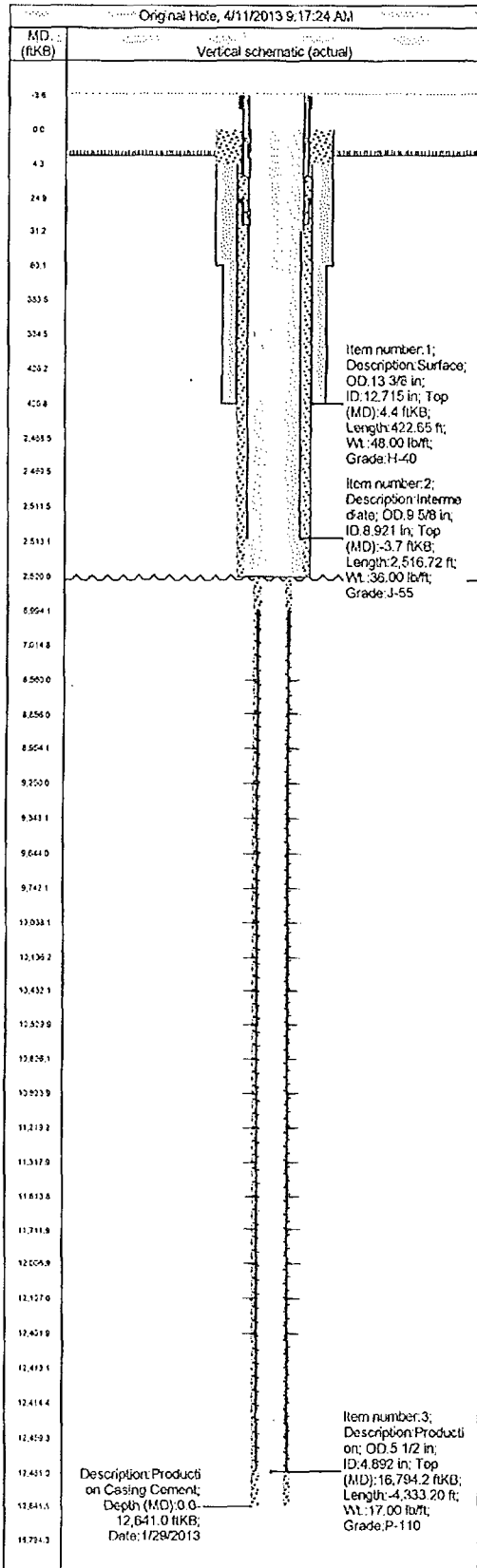


Casing, Liner and Cement report

Well Name: State GQ Com # 3H

Production

API 30-015-40867-00	Field Name Black River	Bole Well No 11891	Permit No. 213666	RRC Lease ID	County Eddy	State New Mexico	Total Depth (ftKB) 2,520.0
Ground Elevation (ft) 3,041.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 24.00	KB-Casing Flange Distance (ft)	Spud Date 1/11/2013 03:00	Rig Release Date 1/30/2013 14:00		



Wellbore		Kick Off Depth (ftKB)		Vertical Section Direction (°)					
Wellbore Name Original Hole	Profile Type Horizontal			179.25					
Section Des		Size (in)	Act Top (ftKB)	Act Blm (ftKB)					
Conductor		20	0.0	80.0					
Surface		17 1/2	80.0	427.0					
Intermediate		12 1/4	427.0	2,520.0					
Production		8 3/4	2,520.0						
Wellhead									
Type									
Des		Make	Model	SN	WP Top (psi)				
Last Mud Check									
Date	Type	Depth (ftKB)	MW (lb/gal)	FV (sq/ft)	Gel (10s) (lb/100ft³)	Gel (10m) (lb/100ft³)	PV (cp)	YP (lb/100ft³)	
1/28/2013	Salt Base	12,462.0	9.80	34	2.000	2.000	3.0	4.000	
Casing									
Casing Description Production		Run Date 1/28/2013 20:00		Set Depth (ftKB) 12,461.0		Wellbore Original Hole			
Centersizers		Scratchers							
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)	
15 8	Casing Joints	5 1/2	4.892	17.00	P-110	-9,800.05	16,794.2	6,994.2	
1	Marker Joint	5 1/2	4.892	17.00	P-110	20.51	6,994.2	7,014.7	
12 1	Casing Joints	5 1/2	4.892	17.00	P-110	5,398.27	7,014.7	12,412.9	
1	Float Collar	5 1/2	4.892	17.00	P-110	1.50	12,412.9	12,414.4	
1	Casing Joints	5 1/2	4.892	17.00	P-110	45.02	12,414.4	12,459.5	
1	Float Shoe	5 1/2	4.892	17.00	P-110	1.55	12,459.5	12,461.0	
Cement: Production Casing Cement									
Cementing Start Date 1/29/2013		Cementing End Date 1/29/2013		Wellbore Original Hole					
Evaluation Method		Cement Evaluation Results							
Comment									
Cement Stage: Production Casing Cement									
Top Depth (ftKB) 0.0		Bottom Depth (ftKB) 12,641.0		Full Return? No		Vol Cement Yes		Bottom Plug? No	
Q Pump Init (bbt/min) 6		Q Pump Final (bbt/min) 2		Avg Pump Rate (bbt/min) 4		Final Pump Pressure (psi) 1,200.0		Plug Bump Pressure (psi) 1,750.0	
Pipe Reciprocated? Yes		Stroke (ft) 15.00		Reciprocation Rate (spm)		Pipe Rotated? No		Pipe RPM (rpm)	
Tagged Depth (ftKB)		Tag Method		Depth Plug United (in)		Dn1 Out Diameter (in)		Dn1 Out Date	
Cement Fluid: Production Casing Cement									
Fluid Type Lead		Fluid Description		Amount (s...) 950		Class H		Volume Pumped (bbt) 409.0	
Estimated Top (ftKB) 0.0		Est Blm (ftKB) 7,916.0		Yield (ft³/sack) 2.42		Mix H2O Ratio (gal/sack) 13.53		Free Water (%)	
Density (lb/gal) 11.80		Plastic Viscosity (cp)		Thickening Time (hr)		1st Compressive Strength (psi)			
Cement Fluid Additives									
Add		Type		Conc					
CFR-3						0.0			
D-Air 5000						0.25			
Fresh Water						13.531			
HR-601						0.0			
Kol-Seal						0.0			
Poly-E-Flake						0.0			

Cement Fluid: Production Casing Cement						
Fluid Type Tail		Fluid Description		Amount (s... 1,460	Class H	Volume Pumped (bbt) 319.0
Estimated Top (ftKB) 7,916.0		Est Btm (ftKB) 12,461.0	Yield (ft ³ /sack) 1.23	Mix H2O Ratio (gal/sack) 5.47		Free Water (%)
Density (lb/gal) 14.40		Plastic Viscosity (cp)		Thickening Time (hr)		1st Compressive Strength (psi)
Cement Fluid Additives						
Add		Type			Conc	
CFR-3					0.0	
Fresh Water					5.469	
Halad(R)-344					0.0	
Salt					0.0	
Cement Fluid: Production Casing Cement						
Fluid Type Displacement		Fluid Description		Amount (s... 0.0	Class	Volume Pumped (bbt) 288.0
Estimated Top (ftKB) 0.0		Est Btm (ftKB) 12,412.0	Yield (ft ³ /sack)	Mix H2O Ratio (gal/sack)		Free Water (%)
Density (lb/gal)		Plastic Viscosity (cp)		Thickening Time (hr)		1st Compressive Strength (psi)
Cement Fluid Additives						
Add		Type			Conc	