

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

10/25/12

OPERATOR: License # 34269
Name: Apache Corporation
Address 1: 6120 S. Yale Ave., Ste. 1500
Address 2: _____
City: Tulsa State: OK Zip: 74136 + 4224
Contact Person: Amanda Pickney
Phone: (918) 491-4852
CONTRACTOR: License # 34000
Name: Kenai Mid-Continent, Inc.
Wellsite Geologist: _____
Purchaser: Oil-NCRA Gas-DCP

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Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

8-15-10 8-27-10 9-29-10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 119-21270-00-00

Spot Description: _____

____ NE SW Sec. 20 Twp. 34 S. R. 27 East West
1,980 Feet from North / South Line of Section
1,980 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Meade

Lease Name: O'Brien Well #: 1-20

Field Name: Johan

Producing Formation: Cherokee

Elevation: Ground: 2,283 Kelly Bushing: 2,295

Total Depth: 5,825 Plug Back Total Depth: 5,825

Amount of Surface Pipe Set and Cemented at: 1,600 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: N/A Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: < 10,000 ppm Fluid volume: 480 bbls

Dewatering method used: Hauled off

Location of fluid disposal if hauled offsite: _____

Operator Name: General Inc.

Lease Name: NW #2 License #: 23084

Quarter SE Sec. 24 Twp. 26N S. R. 26 East West

County: Harper, OK Permit #: 059-21237

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Amanda Pickney

Title: Engineering Technician II Date: 10/21/2010

KCC Office Use ONLY RECEIVED

Letter of Confidentiality Received
Date: 10/25/10 - 10/25/12 **OCT 27 2010**

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NJP Date: 11-12-10

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Operator Name: Apache Corporation Lease Name: O'Brien Well #: 1-20
 Sec. 20 Twp. 34 S. R. 27 East West County: Meade

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Microlog, DIL GR, Neutron Density	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Base Heebner</td> <td>4,378</td> <td>-2,053</td> </tr> <tr> <td>Oswego</td> <td>5,147</td> <td>-2,852</td> </tr> <tr> <td>Cherokee</td> <td>5,630</td> <td>-3,335</td> </tr> <tr> <td>13 Finger</td> <td>5,735</td> <td>-3,440</td> </tr> </tbody> </table>	Name	Top	Datum	Base Heebner	4,378	-2,053	Oswego	5,147	-2,852	Cherokee	5,630	-3,335	13 Finger	5,735	-3,440
Name	Top	Datum														
Base Heebner	4,378	-2,053														
Oswego	5,147	-2,852														
Cherokee	5,630	-3,335														
13 Finger	5,735	-3,440														

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	32 & 24#	1,600'	Stand A & PP	655	.5 lbm polyflake + 3% CC
Production	7-7/8"	5-1/2"	17 & 23#	5,825'	50/50 POZ,	690	3 lbm Koiseal + 5% Calseal
					Extend & CI H		+ .6% Halad + .125 polyflake

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	5,638'-5,643'	19,650 gal 2% KCl Slickwater, 20,000 gal 20% gelled acid & 507,900 SCF Nitrogen	5,638'

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>5,658'</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		RECEIVED OCT 27 2010 KCC WICHITA
Date of First, Resumed Production, SWD or ENHR: <u>09/28/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>33</u> Gas Mcf <u>19</u> Water Bbls. <u>0</u> Gas-Oil Ratio <u>576</u> Gravity <u>40.80</u>	

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-1B.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5,638'-5,643'</u>
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Cementing Job Summary

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Tools and Accessories														
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	
Guide Shoe					Packer					Top Plug				
Float Shoe					Bridge Plug					Bottom Plug				
Float Collar					Retainer					SSR plug set				
Insert Float										Plug Container				
Stage Tool										Centralizers				
Miscellaneous Materials														
Gelling Agt			Conc		Surfactant			Conc		Acid Type		Qty	Conc	%
Treatment Fld			Conc		Inhibitor			Conc		Sand Type		Size	Qty	
Fluid Data														
Stage/Plug #: 1														
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk			
1	Water Spacer				20.00	bbl	8.33	.0	.0	.0				
2	Superflush				20.00	bbl	9.3	.0	.0	.0				
	68 lbm/bbl	HALLIBURTON SUPER FLUSH (100003639)												
3	Water Spacer				20.00	bbl	8.33	.0	.0	.0				
4	Primary Cement	POZ PREMIUM 50/50 - SBM (12302)			350.0	sacks	14.2	1.43	5.79		5.79			
	5.792 Gal	FRESH WATER												
	0.6 %	HALAD(R)-322, 50 LB (100003646)												
	3 lbm	KOL-SEAL, BULK (100064233)												
	5 %	CAL-SEAL 60, BULK (100064022)												
	10 %	SALT, 100 LB BAG (100003652)												
5	Mud Displacement				134.00	bbl	9.			.0				
Stage/Plug #: 2														
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom			
1	Water Spacer				20.00	bbl	8.33	.0	.0	.0				
2	Super Flush				20.00	bbl	9.3	.0	.0	.0				
	68 lbm/bbl	HALLIBURTON SUPER FLUSH (100003639)												
3	Water Spacer				20.00	bbl	8.33	.0	.0	.0				
4	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)			240.0	sacks	11.2	3.07	18.29		18.29			
	0.125 lbm	POLY-E-FLAKE (101216940)												
	18.294 Gal	FRESH WATER												
5	Tail Cement	CMT - PREMIUM CEMENT (100003687)			100.0	sacks	16.4	1.07	4.43		4.43			
	94 lbm	CMT - PREMIUM - CLASS H REG OR TYPE V, BULK (100003687)												
	0.1 %	HR-800, 50 LB SACK (101619742)												
	0.125 lbm	POLY-E-FLAKE (101216940)												
	4.426 Gal	FRESH WATER												

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Cementing Job Summary

Stage/Plug #: 2									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
6	Water Displacement		89.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	50 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2801099	Quote #:	Sales Order #: 7592191
Customer: APACHE CORP		Customer Rep: Hudson, Jim	
Well Name: O'Brien	Well #: 1-20	API/UWI #:	
Field:	City (SAP): MEADE	County/Parish: Meade	State: Kansas
Legal Description: Section 13 Township 34S Range 27W			
Contractor: Kenai		Rig/Platform Name/Num: 58	
Job Purpose: Cement Multiple Stages			
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: MEREDITH, JERRY		Srvc Supervisor: WILTSHIRE, MERSHEK	MBU ID Emp #: 195811

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	10	267804	LOPEZ, JUAN R	10	198514	TORRES, CLEMENTE	10	344233
WILTSHIRE, MERSHEK Tonje	10	195811						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL

Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					26 - Aug - 2010	09:00	CST
Form Type			BHST	On Location	26 - Aug - 2010	13:00	CST
Job depth MD	5825. ft		Job Depth TVD	Job Started	26 - Aug - 2010	15:09	CST
Water Depth			Wk Ht Above Floor	Job Completed	26 - Aug - 2010	21:40	CST
Perforation Depth (MD)	From	To		Departed Loc	26 - Aug - 2010	23:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
7-7/8" Production Open Hole				7.875				1600.	5850.		
Multiple Stage Cementer									3850.		
5-1/2" 17 ppf Production Casing	New		5.5	4.892	17.	8 RD (LT&C)	J-55		5825.		
8-5/8" Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	J-55		1600.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,FLOAT,5 1/2 8RD,2 3/4 SUPER SEAL	1	EA		
CLR,FLOAT,5 1/2 LG 8RD,14-23#/FT,2 3/4	1	EA		
CTRZR ASSY,5 1/2 CSG X 7 7/8 HOLE,HINGED	10	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	2	EA		
KIT,HALL WELD-A	2	EA		
BSKT,CEM,5 1/2 CSG X 7 7/8,8 3/4 H	3	EA		

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Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2801099	Quote #:	Sales Order #: 7592191
Customer: APACHE CORP		Customer Rep: Hudson, Jim	
Well Name: O'Brien	Well #: 1-20	API/UWI #:	
Field:	City (SAP): MEADE	County/Parish: Meade	State: Kansas
Legal Description: Section 13 Township 34S Range 27W			
Lat:		Long:	
Contractor: Kenai		Rig/Platform Name/Num: 58	
Job Purpose: Cement Multiple Stages			Ticket Amount:
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: MEREDITH, JERRY		Srvc Supervisor: WILTSHIRE, MERSHEK	MBU ID Emp #: 195811

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/26/2010 14:33							
Arrive At Loc	08/26/2010 14:33							
Pre-Job Safety Meeting	08/26/2010 14:33							
Start Job	08/26/2010 15:09							5825' MULTIPLE STAGE, 1st STAGE
Test Lines	08/26/2010 15:09						4000.0	
Pump Spacer 1	08/26/2010 15:11		6	20			350.0	WATER
Pump Spacer 2	08/26/2010 15:15		6	20			350.0	SUPERFLUSH
Pump Spacer 1	08/26/2010 15:20		6.5	20			350.0	WATER
Pump Cement	08/26/2010 15:23		6.5	89			350.0	350 SKS 50/50 POZ @ 14.2#
Drop Top Plug	08/26/2010 15:41		6		89		130.0	END CEMENT
Clean Lines	08/26/2010 15:41							
Pump Displacement	08/26/2010 15:46		6.5	134			80.0	50 BBLS WATER/// 84 BBLS MUD
Other	08/26/2010 16:11						1400.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	08/26/2010 16:11		2		134		3000.0	FLOAT HELD
Drop Plug	08/26/2010 16:14							FREE FALL PLUG
Open Multiple Stage Cementer	08/26/2010 16:38						1300.0	CIRCULATE WITH RIG FOR 4 HOURS
Start Job	08/26/2010 20:33							DV TOOL @ 3825' 2nd STAGE

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Sold To #: 300496

Ship To #: 2801099

Quote #:

Sales Order #: 7592191

SUMMIT Version: 7.20.130

Wednesday, September 15, 2010 03:31:00

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Cementing Job Log

Activity Description	Date/Time	Cnt #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	08/26/2010 20:33		5	20			130.0	WATER
Pump Spacer 2	08/26/2010 20:38		5	20			130.0	SUPERFLUSH
Pump Spacer 1	08/26/2010 20:43		5	20			130.0	WATER
Pump Lead Cement	08/26/2010 20:47		5	131			150.0	240 SKS EXTENDACEM @ 11.2#
Pump Tail Cement	08/26/2010 21:10		5.5	19			100.0	100 SKS CLASS H @ 16.4#
Drop Top Plug	08/26/2010 21:14		5		150		190.0	END CEMENT
Pump Displacement	08/26/2010 21:16		5.5	89			80.0	WATER
Other	08/26/2010 21:30		2	69			600.0	SLOW RATE
Other	08/26/2010 21:37						900.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	08/26/2010 21:37		2		89		2400. 0	FLOAT HELD
Close Multiple Stage Cementer	08/26/2010 21:38							
End Job	08/26/2010 21:40							

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Sold To # : 300496

Ship To # : 2801099

Quote # :

Sales Order # : 7592191

SUMMIT Version: 7.20.130

Wednesday, September 15, 2010 03:31:00

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2801099	Quote #:	Sales Order #: 7568325
Customer: APACHE CORP		Customer Rep: Bone, Mr. Glenn	
Well Name: O'Brien	Well #: 1-20	API/UWI #:	
Field:	City (SAP): MEADE	County/Parish: Meade	State: Kansas
Legal Description: Section 5 Township 26N Range 24W			
Contractor: KENAI		Rig/Platform Name/Num: 58	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MEREDITH, JERRY		Srvc Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LOPEZ, JUAN R	8	198514	PORTILLO, CESAR S	4.5	457847	SMITH, BOBBY Wayne	8	106036
TORRES, CLEMENTE	4.5	344233						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240245	45 mile	10243558	45 mile	10244148	45 mile	10286731	45 mile
10714253C	45 mile	10949718	45 mile	10994449	45 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	20 - Aug - 2010	04:00	CST
Form Type			BHST	On Location	20 - Aug - 2010	07:15	CST
Job depth MD	1600. ft		Job Depth TVD	Job Started	20 - Aug - 2010	11:36	CST
Water Depth			Wk Ht Above Floor	Job Completed	20 - Aug - 2010	13:21	CST
Perforation Depth (MD)	From	To		Departed Loc	20 - Aug - 2010	15:30	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12-1/4" Surface Open Hole				12.25				60.	1600.		
20" Pre-Set Conductor	New		20.	19.124	94.			60.			
8-5/8" Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	J-55	1600.			

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		
PLUG,CMTG,BOT,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Make
Guide Shoe					Packer					Top Plug		
Float Shoe					Bridge Plug					Bottom Plug		
Float Collar					Retainer					SSR plug set		
Insert Float										Plug Container		
Stage Tool										Centralizers		

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

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Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Lead Cement	MIDCON-2 CEMENT STANDARD - SBM (15078)	450.0	sacks	11.4	2.95	18.09	8.0	18.09
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	0.01 %	WG-17, 50 LB SK (100003623)							
	18.09 Gal	FRESH WATER							
2	Tail Cement	CMT - PREMIUM PLUS CEMENT (100012205)	205.0	sacks	14.8	1.34	6.28	6.0	6.28
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	6.283 Gal	FRESH WATER							
3	Mud Displacement		99.00	bbl	9.2	.0	.0	8.0	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	90	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	43.19 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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