

XTO ENERGY INC EBUSINESS
DO NOT MAIL - 382 ROAD 3100
AZTEC, New Mexico

Apache Canyon
Apache Canyon 09-02

??/??

Post Job Summary

Cement Multiple Stages

Prepared for:
Date Prepared:
Version: 1

Service Supervisor: SANFORD, DALE

Submitted by:

HALLIBURTON

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
07/07/2011 12:09		Test Lines					3000.0	Water test ok
07/07/2011 12:11		Pump Spacer 1	4	20			50.0	20 Water
07/07/2011 12:20		Pump Spacer 1	4	30			50.0	30 Gel Water W/ 1Sk Polyflake
07/07/2011 12:27		Pump Cement	4	42			40.0	105 Sks Cmt @10#
07/07/2011 12:39		Shutdown						
07/07/2011 12:39		Drop Top Plug						
07/07/2011 12:45		Pump Displacement	4	46.5			60.0	Water
07/07/2011 12:58		Bump Plug					1000.0	
07/07/2011 13:05		Drop Opening Device For Multiple Stage Cementer						
07/07/2011 13:15		Set Packer						Inflate Tool
07/07/2011 13:15		Open Multiple Stage Cementer						
07/07/2011 13:16		Pump Spacer 1	4	30			50.0	30 Gel Water W/ 2 Sks Polyflake
07/07/2011 13:23		Pump Cement	4	70			40.0	170 Sks @ 10#
07/07/2011 13:47		Shutdown						Well circ @ 20 Bbl cmt Trace of cmt off 1st stg
07/07/2011 13:47		Drop Top Plug						
07/07/2011 13:49		Pump Displacement	4	31			440.0	Water 15 Bbl cmt off 2nd stg
07/07/2011 13:59		Bump Plug					1000.0	
07/07/2011 13:59		Close Multiple Stage Cementer					2300.0	
07/07/2011 14:05		Check Floats						

The Road to Excellence Starts with Safety

Sold To #: 353810	Ship To #: 2862771	Quote #:	Sales Order #: 8284087
Customer: XTO ENERGY INC EBUSINESS		Customer Rep:	
Well Name: Apache Canyon		Well #: 09-02	API/UWI #:
Field:	City (SAP): TRINIDAD	County/Parish: Las Animas	State: Colorado
Contractor: ??		Rig/Platform Name/Num: ??	
Job Purpose: Cement Multiple Stages			
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: THEIS, MATTHEW		Srvc Supervisor: SANFORD, DALE	MBU ID Emp #: 219527

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE		372277	BULINSKI, MATTHEW J		483865	PAUMEN, CORD Anthony		453759
Pliness, Ryan		490745	SANFORD, DALE A		219527	TAYLOR, JOSHUA Lin		485939

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025042	250 mile	10824253C	250 mile	11019275	250 mile	11019824	250 mile
11515861C	250 mile	11518550	250 mile	11562570C	250 mile	11633846C	250 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							
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Job

Formation Name					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type	BHST				On Location	07 - Jul - 2011	09:00	MST
Job depth MD	2549. ft		Job Depth TVD	2549. ft	Job Started	07 - Jul - 2011	12:08	MST
Water Depth			Wk Ht Above Floor		Job Completed	07 - Jul - 2011	14:06	MST
Perforation Depth (MD)	From	To			Departed Loc	07 - Jul - 2011	15:00	MST

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" Openhole				7.875				498.	2024.		
Multiple Stage Cementer	Unknown							.	1315.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5		J-55	.	2003.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.		J-55	.	498.		

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			

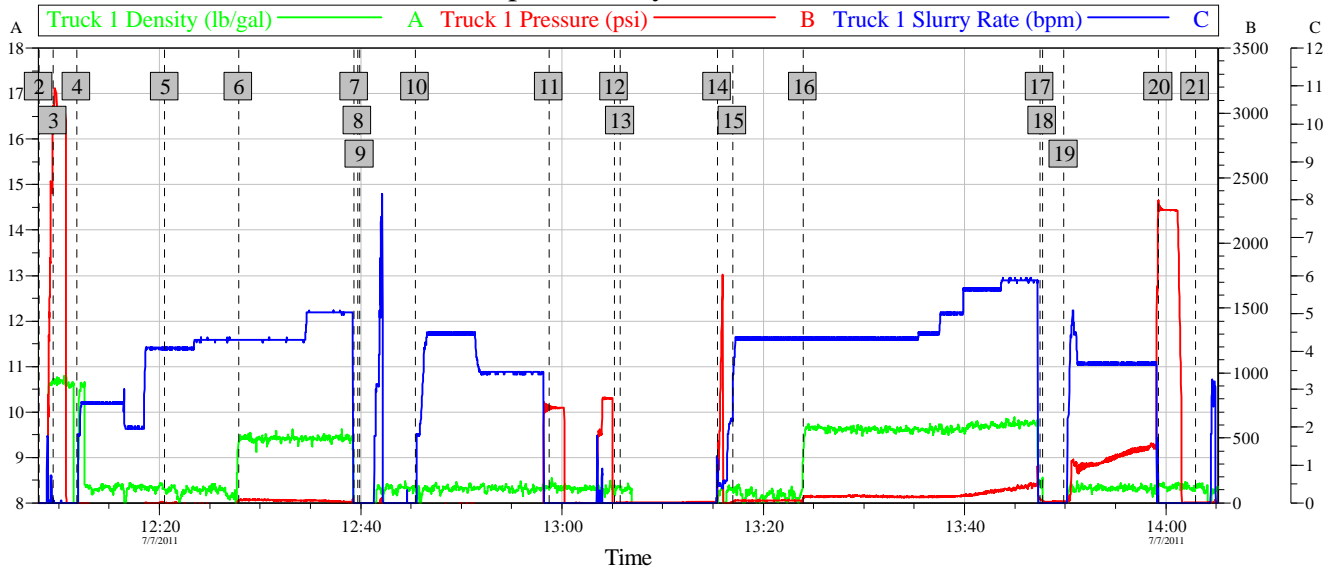
Miscellaneous Materials

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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	FRESH WATER			bbl	8.33	.0	.0	.0	
2	GELLED WATER		30.00	bbl	8.33	.0	.0	.0	
0.2 gal/Mgal		LGC-VI UC, BULK (101582755)							
3	TUNED LIGHT TRINIDAD B3	TUNED LIGHT (TM) SYSTEM (452984)	105.0	sacks	10.	2.3	8.37		8.37
8.37 Gal		FRESH WATER							
4	DISPLACEMENT		46.5	bbl	8.33	.0	.0	.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	FRESH WATER			bbl	8.33	.0	.0	.0	
2	GELLED WATER		30.00	bbl	8.33	.0	.0	.0	
0.2 gal/Mgal		LGC-VI UC, BULK (101582755)							
3	TUNED LIGHT TRINIDAD B3	TUNED LIGHT (TM) SYSTEM (452984)	170.0	sacks	10.	2.3	8.37		8.37
8.37 Gal		FRESH WATER							
4	DISPLACEMENT		31	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	47 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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XTO - Apache Canyon 09-02 MSC



Global Event Log

2	Start Job	12:08:00	3	Test Lines	12:09:26	4	Pump Water	12:11:46
5	Pump Gel Pill	12:20:32	6	Pump Cement	12:27:51	7	Shutdown	12:39:21
8	Clean Lines	12:39:42	9	Drop Plug	12:39:55	10	Pump Displacement	12:45:25
11	Bump Plug	12:58:42	12	Shutdown	13:05:11	13	Drop Bomb	13:05:48
14	Open Multiple Stage Cementer	13:15:25	15	Pump Spacer 1	13:16:58	16	Pump Cement	13:23:57
17	Shutdown	13:47:28	18	Drop Plug	13:47:44	19	Pump Displacement	13:49:52
20	Bump Plug	13:59:17	21	End Job	14:02:57			

Customer:
Well Description:

Job Date: 07-Jul-2011
UWI:

Sales Order #: 8284087

OptiCem v6.4.10
25-Jul-11 08:46