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# **XTO ENERGY INC EBUSINESS**

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**Apache Canyon 09-06**

**Las Animas County , Colorado**

## **Cement Multiple Stages**

**11-Jul-2011**

### **Job Site Documents**

## The Road to Excellence Starts with Safety

Sold To #: 353810	Ship To #: 2865002	Quote #:	Sales Order #: 8313863
Customer: XTO ENERGY INC EBUSINESS	Customer Rep:		
Well Name: Apache Canyon	Well #: 09-06	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: FLING, MATTHEW	Srv 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	6	372277	BOURGEOIS, KEVIN Paul	6	459092	MAHONEY, KELLAN Carl	6	476531
PAUMEN, CORD Anthony	6	453759	Pliness, Ryan	6	490745	SANFORD, DALE A	6	219527

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025042	25 mile	10824253C	25 mile	10867419C	25 mile	10988836	25 mile
11064046	25 mile	11515861C	25 mile	11518550	25 mile	11562570C	25 mile

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-11-11	6	3						

TOTAL

Total is the sum of each column separately

## Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	2141. ft	2141t				

## Job Times

Called Out	Date	Time	Time Zone
On Location	11 - Jul - 2011	07:00	MST
Job Started	11 - Jul - 2011	13:30	MST
Job Completed	11 - Jul - 2011	16:30	MST
Departed Loc	11 - Jul - 2011	18:30	MST
	11 - Jul - 2011	19:30	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
13 3/8" Openhole				7.875				813.	2545.		
Multiple Stage Cementer	Unknown							.	1808.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5		J-55	.	2543.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.		J-55	.	813.		

## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe				2141	Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool				1452						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 <sup>3</sup> /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)	120.0	sacks	10.	2.28	8.24		8.24
8.24 Gal		FRESH WATER							
4	DISPLACEMENT			bbl	8.33	.0	.0	.0	
<b>Stage/Plug #: 2</b>									
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)	190.0	sacks	10.	2.28	8.24		8.24
8.24 Gal		FRESH WATER							
4	DISPLACEMENT			bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns 10-18		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers 60		Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	4	Mixing	4	Displacement	4	Avg. Job	4		
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					

*The Road to Excellence Starts with Safety*

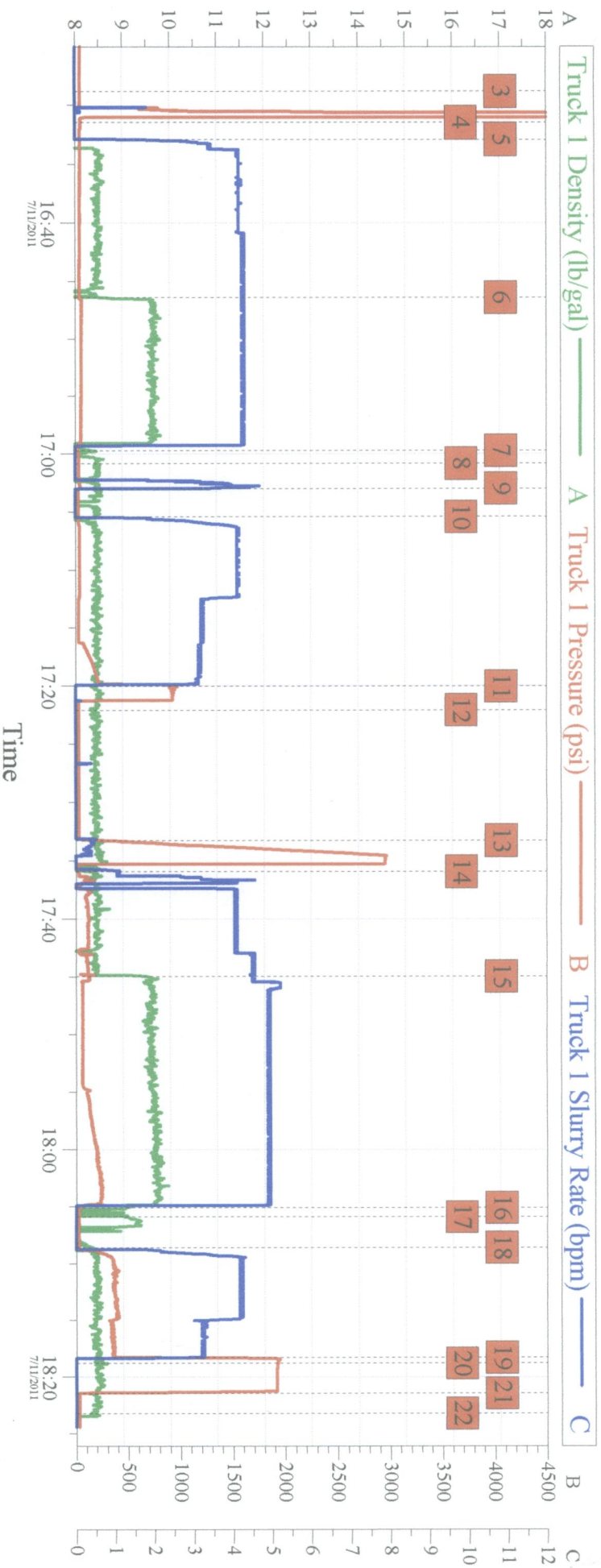
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Field:	City (SAP): TRINIDAD	County/Parish: Las Animas	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: ??	Rig/Platform Name/Num: ??		
Job Purpose: Cement Multiple Stages	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Multiple Stages		
Sales Person: FLING, MATTHEW	Srv Supervisor: SANFORD, DALE	MBU ID Emp #: 219527	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	07/12/2011 16:28					4700.0		
Pump Spacer 1	07/12/2011 16:31		4	20			50.0	20 Water
Pump Spacer 1	07/12/2011 16:36		4	30			50.0	30 Gel Water W/ 1Sk Polyflake
Pump Cement	07/12/2011 16:46		4	49			65.0	120 Sks Cmt @10#
Shutdown	07/12/2011 16:58							
Drop Top Plug	07/12/2011 16:59							
Pump Displacement	07/12/2011 17:05		4	50			210.0	Water
Bump Plug	07/12/2011 17:20						950.0	
Drop Opening Device For Multiple Stage Cementer	07/12/2011 17:22							
Set Packer	07/12/2011 17:33		1	1			800.0	Inflate Tool
Open Multiple Stage Cementer	07/12/2011 17:33		1	1			2950.0	
Pump Spacer 1	07/12/2011 17:35		4	30			100.0	30 Gel Water W/ 2 Sks Polyflake
Pump Cement	07/12/2011 17:44		4	78			100.0	190 Sks @ 10#
Shutdown	07/12/2011 18:05							
Drop Top Plug	07/12/2011 18:05							
Pump Displacement	07/12/2011 18:08		4	34.5			360.0	Water
Bump Plug	07/12/2011 18:18		3				500.0	Circ 10 Bbl off 1st Stage & 18 Bbl off 2nd Stage

***Cementing Job Log***

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Close Multiple Stage Cementer	07/12/2011 18:18		3				1925. 0	
Check Floats	07/12/2011 18:21							

# XTO AC 09-06 Production Csg.



## Global Event Log

Intersection	T1P	Intersection	T1P	Intersection	T1P
1 Starting Job	15:46:02 81.67	2 Start Job	16:09:32 58.78	3 Test Lines	16:28:52 48.61
4 Pump Water	16:31:27 52.50	5 Pump Gel	16:32:54 45.10	6 Pump Cement	16:46:20 40.29
7 Drop Plug	16:59:44 27.96	8 Shut down	17:00:50 34.03	9 Clean Lines	17:02:59 30.40
10 Pump Displacement	17:05:25 32.08	11 Bump Plug	17:20:03 974.9	12 Drop Bomb	17:22:05 32.08
13 Inflate & open Tool	17:33:17 248.7	14 Pump Gel	17:35:55 23.33	15 Pump Cement	17:44:58 123.8
16 Shutdown	18:05:05 43.70	17 Drop Plug	18:05:54 25.28	18 Pump Displacement	18:08:36 27.22
19 Bump Plug	18:18:18 807.0	20 Close MSC	18:18:48 1924	21 Check	18:21:27 27.93
22 End Job	18:23:14 31.11				

Customer: xto  
Well Description: 5.5 prod

Job Date: 11-Jul-2011  
UWI:

Sales Order #: 8313863

OptiCem v6.4.10  
11-Jul-11 18:32