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# **XTO ENERGY INC EBUSINESS**

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**Apache Canyon 30-12**

**Las Animas County , Colorado**

## **Cement Multiple Stages**

**22-Jul-2011**

### **Job Site Documents**

## The Road to Excellence Starts with Safety

The Road to Excellence Starts With Safety			
Sold To #: 353810	Ship To #: 2867075	Quote #:	Sales Order #: 8335165
Customer: XTO ENERGY INC EBUSINESS		Customer Rep:	
Well Name: Apache Canyon		Well #: 30-12	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: ROSALES, MATTHEW	MBU ID Emp #: 392095

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRICKER, DANIEL Z	6	475710	BULINSKI, MATTHEW J	6	483865	DILLON, ALAN Davis	6	484871
DIRKS, RICHARD E	6	485940	KENNEDY, HERRON	6	498356	MCKAY, ADAM	6	498253
ROSALES, MATTHEW John	6	392095	VIGIL, NICHOLAS	6	443481	WHITE, SANDY Lynn	6	490476

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10824253C	25 mile	11019824C	25 mile	11360865C	25 mile	11515861C	25 mile
11562570C	25 mile	11566182	25 mile	11605598	25 mile		

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
07/22/11	11	3						

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
Form Type			BHST	On Location	22 - Jul - 2011	11:00	MST
Job depth MD	2549. ft		Job Depth TVD	Job Started	22 - Jul - 2011	14:25	MST
Water Depth			Wk Ht Above Floor	Job Completed	22 - Jul - 2011	16:17	MST
Perforation Depth (MD)	From		To	Departed Loc	22 - Jul - 2011	17:00	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
13 3/8" Openhole				7.875				468.	2566.		
Multiple Stage Cementer	Unknown							.	1850.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5		J-55	.	2538.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.		J-55	.	468.		

## 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		

## 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	
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)	250.0	sacks	10.	2.28	8.24		8.24
8.24 Gal		FRESH WATER							
4	DISPLACEMENT			bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	59.3/44	Shut In: Instant		Lost Returns	NO	Cement Slurry	151.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20/19	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	344.8
Rates									
Circulating		Mixing		Displacement		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					

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Customer: XTO ENERGY INC EBUSINESS		Customer Rep:	
Well Name: Apache Canyon		Well #: 30-12	API/UWI #:
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: ROSALES, MATTHEW/MBU ID Emp #: 392095	

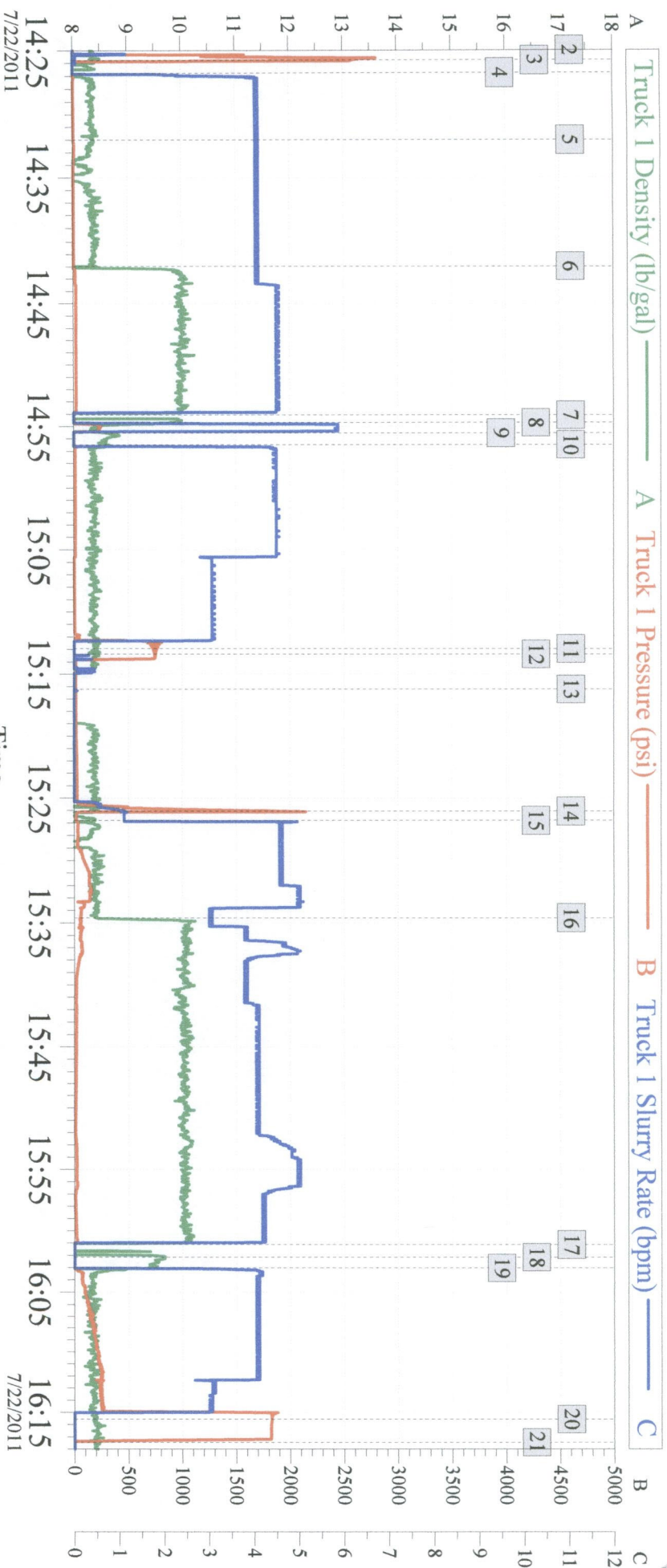
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Job Safety Meeting	07/22/2011 14:15							
Start Job	07/22/2011 14:25							
Test Lines	07/22/2011 14:25		0.5	0.5			2579.0	
Pump Spacer 1	07/22/2011 14:26		4	20	20		2.0	WATER SPACER
Pump Spacer 2	07/22/2011 14:32		4	40	60		2.0	GEL WATER W/POLYFLAKE
Pump Cement	07/22/2011 14:41		4	49.1	109.1		1.0	120SKS MIXED WITH WATER PROVIDED
Drop Plug	07/22/2011 14:55							
Pump Displacement	07/22/2011 14:56		4	59.3	168.4		2.0	
Bump Plug	07/22/2011 15:12							
Shutdown	07/22/2011 15:13							
Drop Opening Device For Multiple Stage Cementer	07/22/2011 15:16							
Open Multiple Stage Cementer	07/22/2011 15:26		0.5				1861.0	
Pump Spacer 1	07/22/2011 15:26		4	30	198.4		17.0	GEL WATER W/POLYFLAKE
Pump Cement	07/22/2011 15:34		4	102.4	300.8		59.0	250SKS MIXED WITH WATER PROVIDED BY RIG
Shutdown	07/22/2011 16:01							
Drop Plug	07/22/2011 16:02							
Pump Displacement	07/22/2011 16:03		4	44	344.8		260.0	



## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Close Multiple Stage Cementer	07/22/2011 16:15		3				1826. 0	
Check Floats	07/22/2011 16:17							
End Job	07/22/2011 16:20							20BBL CEMENT TO SURFACE 1 <sup>ST</sup> STAGE, 19BBL CEMENT TO SURFACE 2 <sup>ND</sup> STAGE

# XTO - Apache Canyon 30-12 Production



Customer:	XTO	Job Date:	22-Jul-2011	Sales Order #:	8335165
Well Description:	Apache Canyon 30-12				
Halliburton Service Supervisor:	Matthew J. Rosales	Halliburton Operator:	Nick Vigil	XTO Customer Rep.:	Ron Coffee
OptiCem v6.4.10 22-Jul-11 16:25					