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# **XTO ENERGY INC EBUSINESS**

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**Apache Canyon 08-06**

**Las Animas County , Colorado**

## **Cement Multiple Stages**

**13-Jul-2011**

### **Job Site Documents**

*The Road to Excellence Starts with Safety*

Sold To #: 353810	Ship To #: 2865101	Quote #:	Sales Order #: 8313867
Customer: XTO ENERGY INC EBUSINESS		Customer Rep:	
Well Name: Apache Canyon	Well #: 08-06	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: 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 #
BANUELOS, GUADALUPE	5	372277	BULINSKI, MATTHEW J	5	483865	KENNEDY, HERRON	5	498356
MCKAY, ADAM	5	498253	NIELSON, BRANDON K	5	479703	PAUMEN, CORD Anthony	5	453759
PLINESS, RYAN	5	490745	ROSALES, MATTHEW John	5	392095			

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867419C	50 mile	10988836	50 mile	11064535	50 mile	11515861C	50 mile
11562570C	50 mile	11605598	50 mile				

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
07/13/11	5	3						

TOTAL Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	13 - Jul - 2011	05:00	MST
Form Type	BHST		Job Started	13 - Jul - 2011	14:30	MST
Job depth MD	2350. ft	Job Depth TVD	Job Completed	13 - Jul - 2011	16:53	MST
Water Depth		Wk Ht Above Floor	Departed Loc	13 - Jul - 2011	18:53	MST
Perforation Depth (MD)	From	To			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				419.	2350.		
Multiple Stage Cementer	Unknown								1634.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5		J-55		2323.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.		J-55		419.		

**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 <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			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)	115.0	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			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)	220.0	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		Shut In: Instant		Lost Returns	No returns	Cement Slurry	137.1	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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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	Srvc 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	07/13/2011 16:40							
Start Job	07/13/2011 16:53							
Test Lines	07/13/2011 16:54		0.5				3500.0	
Pump Spacer 1	07/13/2011 16:58		4	25	25		30.0	WATER SPACER
Pump Spacer 2	07/13/2011 17:05		4	30	55		30.0	GEL WATER SPACER WITH POLYFLAKE
Pump Cement	07/13/2011 17:12		4	47	102		95.0	115SKS TUNED CEMENT MIXED WITH WATER PROVIDED BY RIG
Drop Plug	07/13/2011 17:28							
Pump Displacement	07/13/2011 17:35		4	54	156		320.0	WATER DISPLACE
Bump Plug	07/13/2011 17:53		2				900.0	
Shutdown	07/13/2011 17:54							
Drop Opening Device For Multiple Stage Cementer	07/13/2011 17:54							
Open Multiple Stage Cementer	07/13/2011 18:02							TOOL OPEN 2470PSI
Pump Spacer 1	07/13/2011 18:03		4	30	186		50.0	GEL WATER SPACER WITH POLYFLAKE
Pump Cement	07/13/2011 18:10		4	90.1	276.1		177.0	220SKS TUNED CEMENT MIXED WITH WATER PROVIDED BY RIG
Shutdown	07/13/2011 18:38							
Drop Plug	07/13/2011 18:38							



Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	07/13/2011 18:40		4	39	305.1		177.0	
Close Multiple Stage Cementer	07/13/2011 18:50		2				1950. 0	
Check Floats	07/13/2011 18:53							FLOATS HELD
End Job	07/15/2011 18:55							NO RETURNS ON EITHER STAGE