

*The Road to Excellence Starts with Safety*

Sold To #: 353810	Ship To #: 2945947	Quote #:	Sales Order #: 9748945
Customer: XTO ENERGY INC EBUSINESS	Customer Rep: BLATNICK, BILLY		
Well Name: Apache Canyon	Well #: 14-15	API/UWI #: 05-071-08471	
Field: WARRENER	City (SAP): LAS ANIMAS	County/Parish: Weld	State: Colorado
Job Purpose: Squeeze Hole in Casing			
Well Type: Development Well	Job Type: Squeeze Hole in Casing		
Sales Person: AARON, WESLEY	Srv Supervisor: PICKELL, CHRISTOPHER	MBU ID Emp #: 396838	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HOLMES, ANDREW Malcom	0.0	520802	OTERI, VAUGHN Steeves	0.0	443828	PICKELL, CHRISTOPHER Lee	0.0	396838
VALDEZ, JOHN	0.0	527633						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10948694	258 mile	11064046C	258 mile	11667703C	258 mile		

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/17/12	4.5	4						
TOTAL			Total is the sum of each column separately					

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	17 - Aug - 2012	01:00	MST
Form Type		BHST		On Location	17 - Aug - 2012	08:00	MST
Job depth MD	594. ft	Job Depth TVD	594. ft	Job Started	17 - Aug - 2012	10:30	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	17 - Aug - 2012	11:20	MST
Perforation Depth (MD)	From	To		Departed Loc	17 - Aug - 2012	12:30	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
Production Casing	Unknown		5.5	4.95	15.5				2200.		2200.
Tubing	Unknown		2.875	2.441	6.5				565.		600.

## 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

Stage/Plug #: 1

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 Spacer		12.00	bbl	8.33	.0	.0	.0	
2	Neat G 15.8#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	68.0	sacks	15.8	1.15	5.0		5.0
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	5 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	3.3 BBL	Shut In: Instant		Lost Returns	50 BBL	Cement Slurry	6 BBL	Pad	
Top Of Cement		5 Min		Cement Returns	0 BBL	Actual Displacement	0 BBL	Treatment	
Frac Gradient		15 Min		Spacers	12 BBL	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	5.5	Mixing		1.1	Displacement		Avg. Job		3.3
Cement Left In Pipe	Amount 0 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*

<b>Sold To #:</b> 353810		<b>Ship To #:</b> 2945947		<b>Quote #:</b>		<b>Sales Order #:</b> 9748945	
<b>Customer:</b> XTO ENERGY INC EBUSINESS				<b>Customer Rep:</b> BLATNICK, BILLY			
<b>Well Name:</b> Apache Canyon			<b>Well #:</b> 14-15		<b>API/UWI #:</b> 05-071-08471		
<b>Field:</b> PURGATOIRE RIVER		<b>City (SAP):</b> LAS ANIMAS		<b>County/Parish:</b> Las Animas		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.				<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.			
<b>Contractor:</b>			<b>Rig/Platform Name/Num:</b>				
<b>Job Purpose:</b> Squeeze Hole in Casing						<b>Ticket Amount:</b>	
<b>Well Type:</b> Development Well			<b>Job Type:</b> Squeeze Hole in Casing				
<b>Sales Person:</b> AARON, WESLEY			<b>Srv Supervisor:</b> PICKELL, CHRISTOPHER			<b>MBU ID Emp #:</b> 396838	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	08/17/2012 10:30							
Test Lines	08/17/2012 10:35		1			3000.0		PRESSURE TEST LINES TO 3000 PSI. CHECK FOR VISIBLE LEAKS AND PRESSURE LOSS. ONE INCH RELEASE LINE VALVE HAD TO BE REPLACED DO TO A LEAK
Pump Spacer 1	08/17/2012 10:45		2	10		47.0		PUMP 10 BBL OF WATER WITH 100 POUNDS OF CALCIUM CHLORIDE
Pump Spacer 2	08/17/2012 10:50		2	2	12	47.0		PUMP 2 BBL OF WATER TO FLUSH LINES
Shutdown	08/17/2012 10:55							SHUTDOWN TO MIX UP CEMENT
Pump Cement	08/17/2012 10:58		1.1	6	18	2700		PUMP PREMIUM G CEMENT 30 SKS 15.8 PPG 1.15 CUFT/SK 5 GAL/SK MIXED WITH RIG WATER
Shutdown	08/17/2012 11:05							SHUTDOWN AFTER PUMPING 6 BBL AND PRESSURE SPIKING FROM 20 PSI TO 1628 PSI INDICATING CEMENT LOCKED AT THE PERFS.
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

## Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Reverse Circ Well	08/17/2012 11:10		6.4	50	68	120.0		PULL OUT OF RETAINER AND ATTEMPTED TO REVERSE CIRCULATE WELL UNSUCCESSFULLY DO TO PERFORATIONS ABOVE RETAINER
Shutdown	08/17/2012 11:20							SHUTDOWN AND ENDED THE JOB. RIG PULLED ALL TUBING OUT OF THE HOLE
End Job	08/17/2012 11:30							68 SKS OF CEMENT WERE CHARGED TO CUSTOMER DO TO A FULL MIXING TUB. HOWEVER ONLY 30 SKS 6/BBL WERE PUMPED DOWNHOLE WITH 2 BBL/ 10 SKS PUMPED INTO FORMATION