
XTO ENERGY INC EBUSINESS

Apache Canyon 20-11

Las Animas County , Colorado

Cement Multiple Stages
22-Jun-2011

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 353810		Ship To #: 2861037		Quote #:		Sales Order #: 8263327	
Customer: XTO ENERGY INC EBUSINESS				Customer Rep: Coffee, Ron			
Well Name: Apache Canyon			Well #: 20-11			API/UWI #:	
Field:		City (SAP): TRINIDAD		County/Parish: Las Animas		State: Colorado	
Contractor: Pense Bros			Rig/Platform Name/Num: 16				
Job Purpose: Cement Multiple Stages							
Well Type: Development Well			Job Type: Cement Multiple Stages				
Sales Person: THEIS, MATTHEW			Srcv Supervisor: SIPNEFSKI, ROBERT			MBU ID Emp #: 419391	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GIBBS, JASON Edwin	8.0	300487	HALE, ROBERT E	8.0	470588	OZBUN, RYAN Jacob	8.0	475709
PICKELL, CHRISTOPHER Lee	8.0	396838	SIPNEFSKI, ROBERT Anthony	8.0	419391	SNYDER, JONATHAN Leroy	8.0	435616

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10824253	42 mile	11398319	42 mile	11562570	42 mile	11036298	42 mile
10857080	42 mile	11515861	42 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					

Job

Job Times

Formation Name				Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom	Called Out	21 - Jun - 2011	21:30 MST
Form Type		BHST		On Location	22 - Jun - 2011	00:00 MST
Job depth MD	2125. ft	Job Depth TVD	2125. ft	Job Started	22 - Jun - 2011	00:00 MST
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	22 - Jun - 2011	00:00 MST
Perforation Depth (MD)	From		To	Departed Loc	22 - Jun - 2011	00:00 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				492.	2480.		
Multiple Stage Cementer	Unknown							.	1421.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5		J-55	.	2125.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.		J-55	.	453.		

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

HALLIBURTON**Cementing Job Summary**

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		77.00	bbl	8.33	.0	.0	.0	
2	GELLED WATER		20.00	bbl	8.33	.0	.0	.0	
0.2 gal/Mgal		LGC-VI UC, BULK (101582755)							
3	TUNED LIGHT TRINIDAD	TUNED LIGHT (TM) SYSTEM (452984)	110.0	sacks	10.	2.24	7.93		7.93
7.93 Gal		FRESH WATER							
4	DISPLACEMENT		51.00	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		10.00	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	TUNED LIGHT (TM) SYSTEM (452984)	185.0	sacks	10.	2.24	7.93		7.93
7.93 Gal		FRESH WATER							
4	DISPLACEMENT		34.00	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	46 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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Legal Description:							
Lat:				Long:			
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Job Purpose: Cement Multiple Stages					Ticket Amount:		
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Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	06/22/2011 00:32							
Assessment Of Location Safety Meeting	06/22/2011 00:32							
Start Job	06/22/2011 05:40							
Pump Spacer 1	06/22/2011 05:43		3	77			-36.0	Pump total capacity of hole with H2O plus 10 bbl
Pump Spacer 2	06/22/2011 06:09		3	20				Mix and Pump 20 bbl gel spacer
Pump Cement	06/22/2011 06:15		3	44				Mix and Pump 110 sks of tuned light cmt @ 10.0 #/gal mixed with H2O supplied by rig.
Shutdown	06/22/2011 06:52							
Clean Lines	06/22/2011 06:57							
Drop Top Plug	06/22/2011 07:00							Slow down From 39 bbl to 49 bbl going thru MSC tool
Pump Displacement	06/22/2011 07:01		3	48.7				Displace with H2O supplied by rig. 4bbl of cmt returns back to pit.
Bump Plug	06/22/2011 07:16		2				667.0	
Drop Opening Device For Multiple Stage Cementer	06/22/2011 07:20							
Open Multiple Stage Cementer	06/22/2011 07:27						1906.0	
Pump Spacer 1	06/22/2011 07:33		3	10			-111.0	Pump 10 bbl H2O spacer
Pump Spacer 2	06/22/2011 07:40		3	30			-113.0	Mix and Pump 30 bbl gel spacer

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	06/22/2011 07:56		3	74			-85.0	Mix and Pump 185 sks of tuned light cmt @ 10.0 #/gal mixed with H2O supplied by rig.
Drop Top Plug	06/22/2011 08:15							
Pump Displacement	06/22/2011 08:17		3	34			160.0	Displace with H2O supplied by rig. 17 bbl of returns back to pit.
Close Multiple Stage Cementer	06/22/2011 08:32						2098.0	
Release Casing Pressure	06/22/2011 08:35							
Check Floats	06/22/2011 08:36							
End Job	06/22/2011 08:37							