

**HALLIBURTON**

---

# **XTO ENERGY INC EBUSINESS**

---

**Golden Eagle 30-08**

**Las Animas County , Colorado**

## **Cement Multiple Stages**

**12-Jun-2011**

### **Job Site Documents**

*The Road to Excellence Starts with Safety*

Sold To #: 353810	Ship To #: 2858891	Quote #:	Sales Order #: 8239622
Customer: XTO ENERGY INC EBUSINESS	Customer Rep: Coffee, Ron		
Well Name: Golden Eagle	Well #: 30-08	API/UWI #:	
Field:	City (SAP): TRINIDAD	County/Parish: Las Animas	State: Colorado
Contractor: Pense Drilling	Rig/Platform Name/Num: #19		
Job Purpose: Cement Multiple Stages			
Well Type: Development Well	Job Type: Cement Multiple Stages		
Sales Person: FLING, MATTHEW	Srv Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CONGDON, RICHARD S.	12	320306	FLYNN, SHAD Michael	12	476484	LAVALLEY, LARRY P	12	419296
MAHONEY, KELLAN Carl	12	476531	OZBUN, RYAN Jacob	12	475709	RAMOS, REFUGIO Castro	12	435413

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10824253C	49 mile	10857080C	49 mile	10866497C	49 mile	10948695	49 mile
11064046C	49 mile	11518549	49 mile	11527041C	49 mile	11562562	49 mile

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/13/11	12	3						
TOTAL			Total is the sum of each column separately					

### Job

Formation Name	Formation Depth (MD) Top	Bottom	Job Times	Date	Time	Time Zone
Form Type		BHST	Called Out	12 - Jun - 2011	19:30	MST
Job depth MD	2346. ft	Job Depth TVD	On Location	13 - Jun - 2011	00:30	MST
Water Depth		Wk Ht Above Floor	Job Started	13 - Jun - 2011	09:00	MST
Perforation Depth (MD) From		To	Job Completed	13 - Jun - 2011	11:54	MST
			Departed Loc	13 - Jun - 2011	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
13 3/8" Openhole				7.875				492.	2312.		
Multiple Stage Cementer	Unknown								1623.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5		J-55		2360.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.		J-55		1056.		

### 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		130.00	bbl	8.33	.0	42.0	3.0	
2	GELLED WATER		30.00	bbl	8.33	.0	42.0	3.0	
0.2 gal/Mgal		LGC-VI UC, BULK (101582755)							
3	TUNED LIGHT TRINIDAD B3	TUNED LIGHT (TM) SYSTEM (452984)	110.0	sacks	10.	2.3	8.37	3.0	8.37
8.37 Gal		FRESH WATER							
4	DISPLACEMENT		55.00	bbl	8.33	.0	42.0	3.0	
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	42.0	3.0	
2	GELLED WATER		30.00	bbl	8.33	.0	42.0	3.0	
0.2 gal/Mgal		LGC-VI UC, BULK (101582755)							
3	TUNED LIGHT TRINIDAD B3	TUNED LIGHT (TM) SYSTEM (452984)	175.0	sacks	10.	2.3	8.37	3.0	8.37
8.37 Gal		FRESH WATER							
4	DISPLACEMENT		39.00	bbl	8.33	.0	42.0	3.0	
Calculated Values		Pressures		Volumes					
Displacement	94	Shut In: Instant		Lost Returns	0	Cement Slurry	116	Pad	
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	94	Treatment	
Frac Gradient		15 Min		Spacers	200	Load and Breakdown		Total Job	410
Rates									
Circulating		Mixing	3	Displacement	3	Avg. Job			3
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*

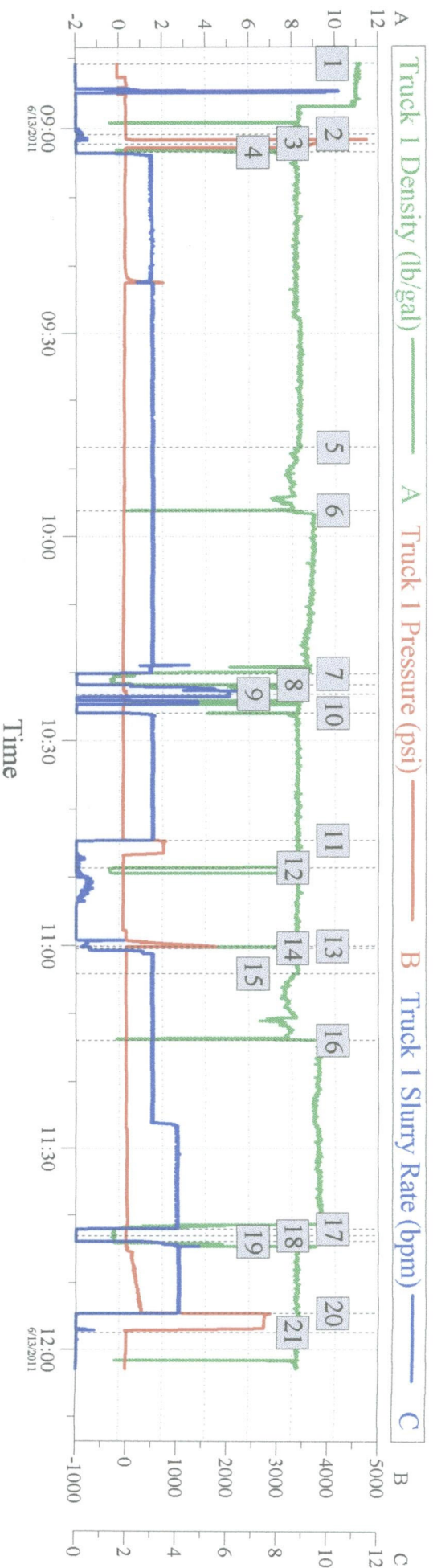
Sold To #: 353810		Ship To #: 2858891		Quote #:		Sales Order #: 8239622	
Customer: XTO ENERGY INC EBUSINESS				Customer Rep: Coffee, Ron			
Well Name: Golden Eagle			Well #: 30-08		API/UWI #:		
Field:		City (SAP): TRINIDAD		County/Parish: Las Animas		State: Colorado	
Legal Description:							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor: Pense Drilling			Rig/Platform Name/Num: #19				
Job Purpose: Cement Multiple Stages					Ticket Amount:		
Well Type: Development Well			Job Type: Cement Multiple Stages				
Sales Person: FLING, MATTHEW			Srvc Supervisor: LAVALLEY, LARRY			MBU ID Emp #: 419296	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	06/13/2011 09:00							
Test Lines	06/13/2011 09:02						3735.0	
Pump Spacer 1	06/13/2011 09:03		3	130	130		.0	TOTAL ANNULAR VOLUME PLUS CASING VOLUME
Pump Spacer 2	06/13/2011 09:46		3	30	160		.0	GEL SPACER WITH 1 30# BAG N-SEAL
Pump Cement	06/13/2011 09:56		3	45	205		.0	110 SKS TUNED LIGHT MIXED @ 10.0 PPG
Shutdown	06/13/2011 10:20						.0	
Clean Lines	06/13/2011 10:21						.0	
Drop Top Plug	06/13/2011 10:23						.0	SUPPLIED BY WETHERFORD
Pump Displacement	06/13/2011 10:25		3	55	260		.0	FRESH WATER NO ADDITIVES
Bump Plug	06/13/2011 10:44						717.0	PLUG BUMPED AT
Drop Ball	06/13/2011 10:48						.0	SUPPLIED BY WETHERFORD
Open Multiple Stage Cementer	06/13/2011 11:00						1771.0	SUPPLIED BY WETHERFORD
Pump Spacer 1	06/13/2011 11:00		3	10	270		.0	FRESH WATER
Pump Spacer 2	06/13/2011 11:04		3	30	300		.0	GEL WATER WITH 1 30# BAG N-SEAL
Pump Cement	06/13/2011 11:13		3	71	371		.0	175 SKS TUNED LIGHT MIXED @ 10.0 PPG GOT RETURNS 66 BLS INTO CEMENT.
Shutdown	06/13/2011 11:42						.0	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	06/13/2011 11:43						.0	SUPPLIED BY WETHERFORD
Pump Displacement	06/13/2011 11:43		3	39	410		240.0	FRESH WATER
Close Multiple Stage Cementer	06/13/2011 11:54							
Bump Plug	06/13/2011 11:54						2566. 0	
End Job	06/13/2011 11:57							



# GOLDEN EAGLE 30-08 MULTI 5.5 INCH TUNED LIGHT PRODUCTION



## Global Event Log

Intersection				Intersection					
	TID	TIP	TISR		TID	TIP	TISR		
1 Starting Job	08:50:50	11.06	-166.9	0.000	2 Start Job	09:00:52	8.302	-8.916	0.194
3 Test Lines	09:02:15	8.359	3735	0.000	4 Pump Spacer 1	09:03:29	8.050	-16.81	0.000
5 Pump Spacer 2	09:46:58	8.373	-49.43	3.000	6 Pump Lead Cement	09:56:12	6.573	-54.50	3.058
7 Shutdown	10:20:13	-0.133	-72.14	0.000	8 Clean Lines	10:21:50	8.110	-61.30	2.148
9 Drop Top Plug	10:23:10	8.247	-18.69	6.066	10 Pump Displacement	10:25:59	4.452	-60.40	2.178
11 Bump Plug	10:44:38	8.304	717.1	0.153	12 Drop Ball	10:48:37	-0.187	-63.27	0.069
13 Open MSC	11:00:11	8.301	1771	0.196	14 Pump Spacer 1	11:00:30	8.087	-6.908	0.587
15 Pump Spacer 2	11:04:11	8.098	-5.932	3.066	16 Pump Lead Cement	11:13:56	9.156	-6.116	3.066
17 Shutdown	11:42:05	-0.217	-2.537	0.000	18 Drop Top Plug	11:43:05	-0.222	-7.909	0.000
19 Pump Displacement	11:43:53	-0.206	-6.921	2.544	20 Close MSC	11:54:36	8.305	2566	3.435
21 End Job	11:57:30	8.232	-7.088	0.000					

Customer:  
Well Description:

Job Date: 13-Jun-2011  
UWI:

Sales Order #: 8239622

**HALLIBURTON**  
OptiCem v6.4.2  
13-Jun-11 12:02