

Cementing Job Summary

30-015-35673

The Road to Excellence Starts with Safety

Sold To #: 304971		Ship To #: 2594041		Quote #:		Sales Order #: 5318288	
Customer: REEF EXPLORATION, INC. EBUS				Customer Rep: PRUITT, ROGER			
Well Name: STATE 36		Well #: 5		API/UWI #:			
Field:		City (SAP): LOVING		County/Parish: Eddy		State: New Mexico	
Contractor: PATTERSON		Rig/Platform Name/Num: 512					
Job Purpose: Cement Intermediate Casing							
Well Type: Development Well		Job Type: Cement Intermediate Casing					
Sales Person: PAGE, DENNIS		Srcv Supervisor: MEADOWS, BRUCE		MBU ID Emp #: 325408			
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
MEADOWS, BRUCE	10.8	325408	SEDGWICK, JEFF	10.8	425128		
S							
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
08-26-07	2	0	08-27-07	9			
TOTAL		Total is the sum of each column separately					
Job				Job Times			
Formation Name		Formation Depth (MD)		Top		Bottom	
Form Type		BHST		111 degF		Called Out	
Job depth MD		4500. ft		Job Depth TVD		4500. ft	
Water Depth		Wk Ht Above Floor		5. ft		Job Started	
Perforation Depth (MD)		From		To		Job Completed	
						27 - Aug - 2007	
						08.45	
						CST	
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
11" Hole				11.			
Intermediate Casing	Used		8.625	7.921	32.		
Surface Casing	Used		13.375	12.615	54.5		
Sales/Rental/3rd Party (HES)							
Description						Qty	Qty uom
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA						1	EA
IRON CHARGE						1	EA
Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							
Miscellaneous Materials							
Gelling Agt		Conc		Surfactant		Conc	
Treatment Fld		Conc		Inhibitor		Conc	
Acid Type		Qty	Conc	%			
Sand Type		Size	Qty				

Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
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		20.00	bbl	8.33	.0	.0	4	
2	Interfill C	INTERFILL C - SBM (14210)	1875.0	sacks	11.9	2.45	14.1	10	14.1
		14.098 Gal FRESH WATER							
		0.125 lbm POLY-E-FLAKE (101216940)							
3	Premium Plus	CMT - PREMIUM PLUS CEMENT (100012205)	300.0	sacks	14.8	1.33	6.33	8	6.33
		94 lbm CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)							
		6.328 Gal FRESH WATER							
		1 % CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns	0	Cement Slurry	889	Pad	
Top Of Cement		5 Min		Cement Returns	205	Actual Displacement	255	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	1164
Rates									
Circulating		Mixing		9	Displacement	8	Avg. Job	8.5	
Cement Left In Pipe		Amount 40 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					

Cementing Job Log

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Sold To #: 304971		Ship To #: 2594041		Quote #:		Sales Order #: 5318288	
Customer: REEF EXPLORATION, INC. EBUS				Customer Rep: PRUITT, ROGER			
Well Name: STATE 36			Well #: 5		API/UWI #:		
Field:		City (SAP): LOVING		County/Parish: Eddy		State: New Mexico	
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: PATTERSON				Rig/Platform Name/Num: 512			
Job Purpose: Cement Intermediate Casing						Ticket Amount:	
Well Type: Development Well				Job Type: Cement Intermediate Casing			
Sales Person: PAGE, DENNIS				Srcv Supervisor: MEADOWS, BRUCE		MBU ID Emp #: 325408	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/26/2007 19:00							
Pre-Convoy Safety Meeting	08/26/2007 20:45							
Depart from Service Center or Other Site	08/26/2007 21:00							
Arrive at Location from Service Center	08/26/2007 22:00							
Assessment Of Location Safety Meeting	08/26/2007 22:05							
Rig-Up Equipment	08/26/2007 22:10							
Rig-Up Completed	08/26/2007 23:10							
Other	08/27/2007 02:45							WAIT ON CEMENT FROM ARTESIA 2HRS
Pre-Job Safety Meeting	08/27/2007 04:45							
Start Job	08/27/2007 04:47							
Test Lines	08/27/2007 04:48		3		3		2500. 0	TEST LINES 2500 PSI
Pump Spacer 1	08/27/2007 04:51		4		20		200.0	PUMP 20BBLs OF H2O
Pump Lead Cement	08/27/2007 04:59		10		818		510.0	MIX INTERFILL C 1875SKS @ 11.9PPG
Pump Tail Cement	08/27/2007 06:26		8		71		670.0	MIX PREM PLUS 300SKS @ 14.8PPG
Drop Plug	08/27/2007 06:36							
Pump Displacement	08/27/2007 06:42		8.5		255		1100. 0	PUMP 255BBLs OF H2O
Bump Plug	08/27/2007 07:24		2		255		1600. 0	

Sold To #: 304971

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Quote #:

Sales Order #:

5318288

SUMMIT Version: 7.20.130

Monday, August 27, 2007 08:06:00

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	08/27/2007 07:26							FLOATS HELD, 2 BBLS BACK CIRCULATED 470SKS
End Job	08/27/2007 07:27							
Post-Job Safety Meeting (Pre Rig-Down)	08/27/2007 07:30							
Rig-Down Equipment	08/27/2007 07:35							
Rig-Down Completed	08/27/2007 08:35							
Pre-Convoy Safety Meeting	08/27/2007 08:40							
Depart Location for Service Center or Other Site	08/27/2007 08:45							
Crew Return Yard	08/27/2007 10:00							

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Quote #:

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5318288

SUMMIT Version: 7.20.130

Monday, August 27, 2007 08:06:00

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 304971		Ship To #: 2594041		Quote #:		Sales Order #: 5310295	
Customer: REEF EXPLORATION, INC. EBUS				Customer Rep: PRUITT, ROGER			
Well Name: STATE 36			Well #: 5		API/UWI #:		
Field:		City (SAP): LOVING		County/Parish: Eddy		State: New Mexico	
Contractor: PATTERSON			Rig/Platform Name/Num: 512				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: PAGE, DENNIS			Srvc Supervisor: MOLINA, GABRIEL			MBU ID Emp #: 364672	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BLAYLOCK, TERRY William	4.0	385332	GARIBAY, GABRIEL	4.0	391327	MOLINA, GABRIEL M	4.0	364672
WHITEFEATHER, DELANO Shane	4.0	345781						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08-22-07	4	1						

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 - Aug - 2007	13:00	MST
Job depth MD	900. ft		Job Depth TVD	Job Started	22 - Aug - 2007	15:00	MST
Water Depth			Wk Ht Above Floor	Job Completed	22 - Aug - 2007	16:00	MST
Perforation Depth (MD)	From		To	Departed Loc	22 - Aug - 2007	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
17-1/2" Hole				17.5					900.		
Surface Casing	Used		13.375	12.615	54.5				900.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,13 3/8,HWE,11 79 MIN/12.72	1	EA		
MILEAGE FOR DELIVERY OF FILL UP IRON	100	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	100	MI		
CIRCULATING IRON CHARGE	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe		1			Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		1	
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

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Fluid Data										
Stage/Plug #: 1										
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	HL Premium Plus	HALLIBURTON LIGHT PREMIUM PLUS - SBM (14241)	255.0	sacks	12.6	1.93	10.54		10.54	
	10.54 Gal	FRESH WATER								
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0 125 lbm	POLY-E-FLAKE (101216940)								
2	Premium Plus	CMT - PREMIUM PLUS CEMENT (100012205)	300.0	sacks	14.8	1.34	6.34		6.34	
	94 lbm	CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)								
	6.342 Gal	FRESH WATER								
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
Calculated Values		Pressures		Volumes						
Displacement	103	Shut In: Instant		Lost Returns		Cement Slurry	160	Pad		
Top Of Cement		5 Min		Cement Returns	154SK	Actual Displacement	103	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	283	
Rates										
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5			
Cement Left In Pipe	Amount	40 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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Well Name: STATE 36		Well #: 5	API/UWI #:
Field:	City (SAP): LOVING	County/Parish: Eddy	State: New Mexico
Legal Description:			
Lat:		Long:	
Contractor: PATTERSON		Rig/Platform Name/Num: 512	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: PAGE, DENNIS		Srvc Supervisor: MOLINA, GABRIEL	MBU ID Emp #: 364672

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/22/2007 08:00							
Safety Meeting - Service Center or other Site	08/22/2007 11:30							
Depart from Service Center or Other Site	08/22/2007 12:00							
Arrive At Loc	08/22/2007 13:00							
Assessment Of Location Safety Meeting	08/22/2007 13:05							
Safety Meeting - Pre Rig-Up	08/22/2007 13:10							
Rig-Up Equipment	08/22/2007 13:15							
Rig-Up Completed	08/22/2007 14:00							
Safety Meeting - Pre Job	08/22/2007 15:00							
Time Customer is Ready to Turn Control Over to HES	08/22/2007 15:01							
Start Job	08/22/2007 15:10							
Pump Spacer 1	08/22/2007 15:11		5	20			117.0	H2O
Pump Cement	08/22/2007 15:14		5	88			200.0	(255) HBL @12.6 PPG
Pump Tail Cement	08/22/2007 15:27		5	72			126.0	(300) P+2% @ 14.8 PPG
Drop Plug	08/22/2007 15:39							
Pump Displacement	08/22/2007 15:40		6	103			127.0	H2O
Other	08/22/2007 15:57		3	93			250.0	SLOW RATE

Sold To #: 304971

Ship To #: 2594041

Quote #:

Sales Order #: 5310295

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Wednesday, August 22, 2007 04:13:00

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	08/22/2007 15:59		3	103			769.0	
Check Floats	08/22/2007 16:00							FLOATS HELD
End Job	08/22/2007 16:01							CIRCULATED 154 SKS
Safety Meeting - Pre Rig-Down	08/22/2007 16:05							
Rig-Down Equipment	08/22/2007 16:10							
Rig-Down Completed	08/22/2007 16:50							
Safety Meeting - Departing Location	08/22/2007 16:55							
Depart Location for Service Center or Other Site	08/22/2007 17:00							

Sold To #: 304971

Ship To #: 2594041

Quote #:

Sales Order #: 5310295

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Wednesday, August 22, 2007 04:13:00