

HALLIBURTON

SUNDANCE ENERGY INC

**MLD 23-22
WATTENBERG
Weld County , Colorado**

Cement Production Casing
23-Sep-2012

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 344834	Ship To #: 2951485	Quote #:	Sales Order #: 9816835
Customer: SUNDANCE ENERGY INC		Customer Rep: Hudson, Gene	
Well Name: MLD	Well #: 23-22	API/UWI #: 05-123-35712-00	
Field: WATTENBERG	City (SAP): BERTHOUD	County/Parish: Weld	State: Colorado
Contractor: Ensign	Rig/Platform Name/Num: 55		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: AARON, WESLEY	Srv Supervisor: CLEMONS, WILLIAM	MBU ID Emp #: 407973	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BOURGEOIS, KEVIN Paul	4.5	459092	BROOM, KENDALL L	4.5	524682	CLEMONS, WILLIAM Edward	4.5	407973
NIELSON, BRANDON K	4.5	479703						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10824253C	35 mile	11036301	35 mile	11142999	35 mile	11360865C	35 mile
11527037	35 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	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	23 - Sep - 2012	05:00	MST
Form Type		BHST		Job Started	23 - Sep - 2012	07:00	MST
Job depth MD	7500. ft	Job Depth TVD	7500. ft	Job Started	23 - Sep - 2012	09:10	MST
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	23 - Sep - 2012	10:32	MST
Perforation Depth (MD)	From	To		Departed Loc	23 - Sep - 2012	11:35	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
Open Hole				7.875				545.	7217.	545.	7217.
Production Casing	Unknown		4.5	4.	11.6			.	7189.	.	7189.
Surface Casing	Unknown		8.625	8.097	24.			.	545.	.	545.

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE-FLT- 4 1/2 8RD - HI-PORT	1	EA		
CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA		
CTRZR ASSY,TURBO,API,4 1/2 CSG X 7 7/8	15	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA		
PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 MA	1	EA		
KIT,HALL WELD-A	1	EA		
BSKT,CEM,4 1/2 CSG X 6 1/4,8 3/4 H	2	EA		

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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk						
1	Clay Web Water Spacer				20.00	bbl	8.4	.0	.0	.0							
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)			24.00	bbl	8.4	.0	1000.0	5.0							
3	CalyWeb Water Spacer				10.00	bbl	8.4	.0	.0	.0							
4	Extendacem 11.3#	EXTENDACEM (TM) SYSTEM (452981)			01.0	sacks	11.3	2.46	14.12		14.12						
0.2 %		SUPER CBL, 50 LB PAIL (100003668)															
3 %		SALT, 100 LB BAG (100003652)															
14.12 Gal		FRESH WATER															
5	Fraccem 13.5#	FRACCEM (TM) SYSTEM (452963)			01.0	sacks	13.5	1.74	8.3	5.0	8.3						
5 lbm		ENHANCER 923, BULK (101894003)															
8.3 Gal		FRESH WATER															
6	ClayWeb Water Displacement				130.00	bbl	8.34	.0	.0	7.0							
2.5 gal/Mgal		CLA-WEB - TOTE (101985045)															
Calculated Values				Pressures				Volumes									
Displacement		116		Shut In: Instant				Lost Returns		N/A		Cement Slurry		157		Pad	
Top Of Cement				5 Min				Cement Returns		0		Actual Displacement				Treatment	
Frac Gradient				15 Min				Spacers		54		Load and Breakdown				Total Job 327	
Rates																	
Circulating				Mixing				Displacement				Avg. Job					
Cement Left In Pipe				Amount 2 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: MLD			Well #: 23-22		API/UWI #: 05-123-35712-00		
Field: WATTENBERG		City (SAP): BERTHOUD		County/Parish: Weld		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: Ensign			Rig/Platform Name/Num: 55				
Job Purpose: Cement Production Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Production Casing				
Sales Person: AARON, WESLEY			Srvc Supervisor: CLEMONS, WILLIAM			MBU ID Emp #: 407973	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	09/23/2012 09:11							PRESSURE TEST TO 3500 PER CoMan
Pump Spacer	09/23/2012 09:15		2	20	20		88.0	PUMP CLAYWEB H2O
Pump Spacer	09/23/2012 09:22		3	40	44		336.0	PUMP MUDFLUSH
Pump Spacer	09/23/2012 09:32		4	10	54		120.0	PUMP CLAYWEB H2O
Pump Lead Cement	09/23/2012 09:36		8	109	163		257.0	MIX & PUMP 250 SKS OF EXTENDACEM @ 11.3 PPG, 2.346 YIELD, 14.12 GAL/SK
Pump Tail Cement	09/23/2012 09:56		6	48	211		160.0	MIX & PUMP 155 SKS OF FRAC-CEM @ 13.5 PPG, 1.74 YIELD, 8.30 GAL/SK
Shutdown	09/23/2012 10:03							SHUTDOWJN AFTER ALL CEMENT PUMPED
Other	09/23/2012 10:04							WASH PUMPS & LINES TO PIT
Drop Top Plug	09/23/2012 10:07							DROP TOP PLUG WITNESSED BY CoMan
Pump Displacement	09/23/2012 10:08		7	106	317		89.0	BEGIN H2O DISPLACEMENT
Slow Rate	09/23/2012 10:18		2	10	327		882.0	SLOW TO 2 BPM PER CoMan
Bump Plug	09/23/2012 10:23						944.0	BROUGHT PRESSURE UPTO 2500 PSI PER CoMan
Shutdown	09/23/2012 10:24						2521.0	SHUTDOWN WITH 2500 PSI PER CoMan
Check Floats	09/23/2012 10:25						.0	FLOATS HELD WITH 1 BBL BACK TO TRUCK
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Quote #:

Sales Order #:

9816835

End Job	09/23/2012 10:26							SUCCESSFULLY PUMPED PRODUCTION PLUG BUMPED WITH 1 BBL BACK TO TRUCK AND NO CEMENT TO SURFACE THANK YOU FROM HES & CREW
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Field Ticket

Field Ticket Number: 9816835		Field Ticket Date: Sunday, September 23, 2012	
Bill To: 		Job Name: MLD Order Type: Streamline Order (ZOH) Well Name: MLD 23-22 Company Code: 1100 Customer PO No.: NA Shipping Point: Brighton, CO, USA Sales Office: Rocky Mountains BD Well Type: Gas Well Category: Development	
Ship To: SUNDANCE MLD #23-22,WELD MLD #23-22 2951485 BERTHOUD, CO 80513			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7523	CMT PRODUCTION CASING BOM	1	JOB	0.00	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE	1	EA	0.00	9,081.00	9,081.00	65%	3,178.35
	DEPTH	7500						
	FEET/METERS (FT/M)		FT					
432904	CMT, ROCKIES SG SETUP	1	EA			6,887.00	53.3%	3,216.45
432905	CMT, ROCKIES SG MILEAGE	58	MI			1,302.10	61.7%	498.72
	Number of Units	1						
432906	CMT, ROCKIES SG DELIVERY	1	TNM			5,150.80	63.32%	1,889.49
	NUMBER OF TONS	20						
528788	MUD FLUSH III	24	BBL	0.00	94.45	2,266.80	65%	793.38
452963	FRACCEM (TM) SYSTEM	155	SK			9,892.53	65.0%	3,462.39
101894003	ENHANCER 923	776	LB	0.00	1.05	814.80	65%	285.18
101985045	CHEM, CLA-WEB - TOTE	6	GAL	0.00	474.30	2,845.80	65%	996.03
100007955	SHOE-FLT- 4 1/2 8RD - HI-PORT	1	EA	0.00	918.00	918.00	65%	321.30
100004752	CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA	0.00	700.00	700.00	65%	245.00
100004491	CTRZR ASSY,TURBO,API,4 1/2 CSG X 7 7/8	15	EA	0.00	166.00	2,490.00	65%	871.50
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	0.00	44.20	44.20	65%	15.47
101241019	PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 MA	1	EA	0.00	186.00	186.00	65%	65.10
100005045	KIT,HALL WELD-A	1	EA	0.00	74.30	74.30	65%	26.00

Field Ticket

Field Ticket Number: 9816835	Field Ticket Date: Sunday, September 23, 2012
Bill To: <div style="border: 1px solid black; height: 80px; margin-top: 5px;"></div>	Job Name: MLD Order Type: Streamline Order (ZOH) Well Name: MLD 23-22 Company Code: 1100 Customer PO No.: NA Shipping Point: Brighton, CO, USA Sales Office: Rocky Mountains BD Well Type: Gas Well Category: Development
Ship To: SUNDANCE MLD #23-22, WELD MLD #23-22 2951485 BERTHOUD, CO 80513	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
100004595	BSKT,CEM,4 1/2 CSG X 6 1/4,8 3/4 H	2	EA	0.00	390.00	780.00	65%	273.00
452981	EXTENDACEM (TM) SYSTEM	250	SK			12,666.56	65.0%	4,433.29
100003668	SUPER CBL	40	LB	0.00	72.35	2,894.00	65%	1,012.90
100003652	SALT,MORTON-PUREX-FINE	588	LB	0.00	0.44	258.72	65%	90.55
100008028	SUGAR, GRANULATED, IMPERIAL	50	LB	0.00	6.44	322.00	65%	112.70
				Totals	USD	59,574.61	37,787.81	21,786.80

Halliburton Rep:

WILLIAM CLEMONS

Customer Agent:

Gene Hudson

Halliburton Approval

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X

FIELD TICKET TOTAL: USD

21,786.80

Customer Signature

 Was our HSE performance satisfactory? Y or N
 (Health, Safety, Environment)

Were you satisfied with our Equipment? Y or N

Were you satisfied with our people? Y or N

Comments