

**HALLIBURTON**

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**SUNDANCE ENERGY INC**

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**MLD 21-22  
Wattenberg  
Weld County , Colorado**

**Cement Production Casing  
10-Nov-2012**

**Job Site Documents**

## Field Ticket

<b>Field Ticket Number:</b>	<b>9950966</b>	<b>Field Ticket Date:</b>	<b>Saturday, November 10, 2012</b>
<b>Bill To:</b>		<b>Job Name:</b>	MLD 21-22
		<b>Order Type:</b>	Streamline Order (ZOH)
		<b>Well Name:</b>	MLD 21-22
		<b>Company Code:</b>	1100
		<b>Customer PO No.:</b>	NA
		<b>Shipping Point:</b>	Brighton, CO, USA
		<b>Sales Office:</b>	Rocky Mountains BD
		<b>Well Type:</b>	Gas
		<b>Well Category:</b>	Development
<b>Ship To:</b>			
SUNDANCE MLD 21-22,WELD			
MLD 21-22			
2962561			
S22 T4N R68W			
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	7,962.00	7,962.00	65%	2,786.70
	DEPTH	6972						
	FEET/METERS (FT/M)		FT					
432904	CMT, ROCKIES SG SETUP	1	EA			10,162.00	50.67%	5,012.70
432905	CMT, ROCKIES SG MILEAGE	60	MI			987.60	61.41%	381.15
	Number of Units	1						
432906	CMT, ROCKIES SG DELIVERY	1	TNM			6,120.81	63.31%	2,245.88
	NUMBER OF TONS	23.1						
528788	MUD FLUSH III	24	BBL	0.00	94.45	2,266.80	65%	793.38
452963	FRACCEM (TM) SYSTEM	175	SK			11,203.77	65.0%	3,921.32
101894003	ENHANCER 923	876	LB	0.00	1.05	919.80	65%	321.93
452981	EXTENDACEM (TM) SYSTEM	305	SK			15,420.13	65.0%	5,397.06
100003668	SUPER CBL	48	LB	0.00	72.35	3,472.80	65%	1,215.48
100003652	SALT,MORTON-PUREX-FINE	720	LB	0.00	0.44	316.80	65%	110.88
101985045	CHEM, CLA-WEB - TOTE	5	GAL	0.00	474.30	2,371.50	65%	830.02
				<b>Totals</b>	<b>USD</b>	<b>61,204.01</b>	<b>38,187.51</b>	<b>23,016.50</b>

Halliburton Rep: NICHOLAS VIGIL

Customer Agent: GENE HUDSON

Halliburton Approval



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	Clay Web Water Spacer			bbl	8.4	.0	.0	.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)		bbl	8.4	.0	1000.0	5.0	
3	CalyWeb Water Spacer			bbl	8.4	.0	.0	.0	
4	EXTENDACEM 11.3#	EXTENDACEM (TM) SYSTEM (452981)	305.0	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)	175.0	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			bbl	8.34	.0	.0	7.0	
2.5 gal/Mgal		CLA-WEB - TOTE (101985045)							
Calculated Values		Pressures		Volumes					
Displacement	107.6	Shut In: Instant		Lost Returns	NO	Cement Slurry		Pad	
Top Of Cement	2277'	5 Min		Cement Returns	NO	Actual Displacement	107.6	Treatment	
Frac Gradient		15 Min		Spacers	NO	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing	8	Displacement	8	Avg. Job	8		
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*

Sold To #: 344834	Ship To #: 2962561	Quote #:	Sales Order #: 9950966
Customer: SUNDANCE ENERGY INC	Customer Rep: HUDSON, GENE		
Well Name: MLD	Well #: 21-22	API/UWI #: 05-123-36095	
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	Srv Supervisor: VIGIL, NICHOLAS	MBU ID Emp #: 443481	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	11/10/2012 00:30							WELL SITE ASSESMENT,HAZARD HUNT,WATER TEST,RIG UP SAFETY MEETING, WAITED FOR RIG TO FINISH RUNNING CASING
Start Job	11/10/2012 03:17							PRE JOB SAFETY MEETING
Test Lines	11/10/2012 03:17							PRESSURE TESTED LINES TO 3500 PSI
Pump Spacer 1	11/10/2012 03:21		6	20			370.0	WATER
Pump Spacer 2	11/10/2012 03:26		6	24			402.0	MUDFLUSH
Pump Spacer 1	11/10/2012 03:30		6	20			450.0	WATER
Pump Lead Cement	11/10/2012 03:31		8	134.7			198.0	11.3 PPG EXTENDACEM (305 SKS)
Pump Tail Cement	11/10/2012 03:49		8	54.2			268.0	13.5 PPG FRACCEM (175 SKS)
Shutdown	11/10/2012 03:58							
Clean Lines	11/10/2012 03:58							
Drop Top Plug	11/10/2012 04:01							PLUG WAS PRE LOADED
Pump Displacement	11/10/2012 04:01		8	107.6			369.0	
Bump Plug	11/10/2012 04:17		3	107.6			1085.0	CALCULATED PRESSURE TO LAND WAS 915 PSI, COMPANY MAN WANTED PLUG BUMPED AT 2500 PSI

**HALLIBURTON**

***Cementing Job Log***

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	11/10/2012 04:18							FLOATS HELD
End Job	11/10/2012 04:19							RIG DOWN SAFETY MEETING

Sold To # : 344834

Ship To # :2962561

Quote # :

Sales Order # :

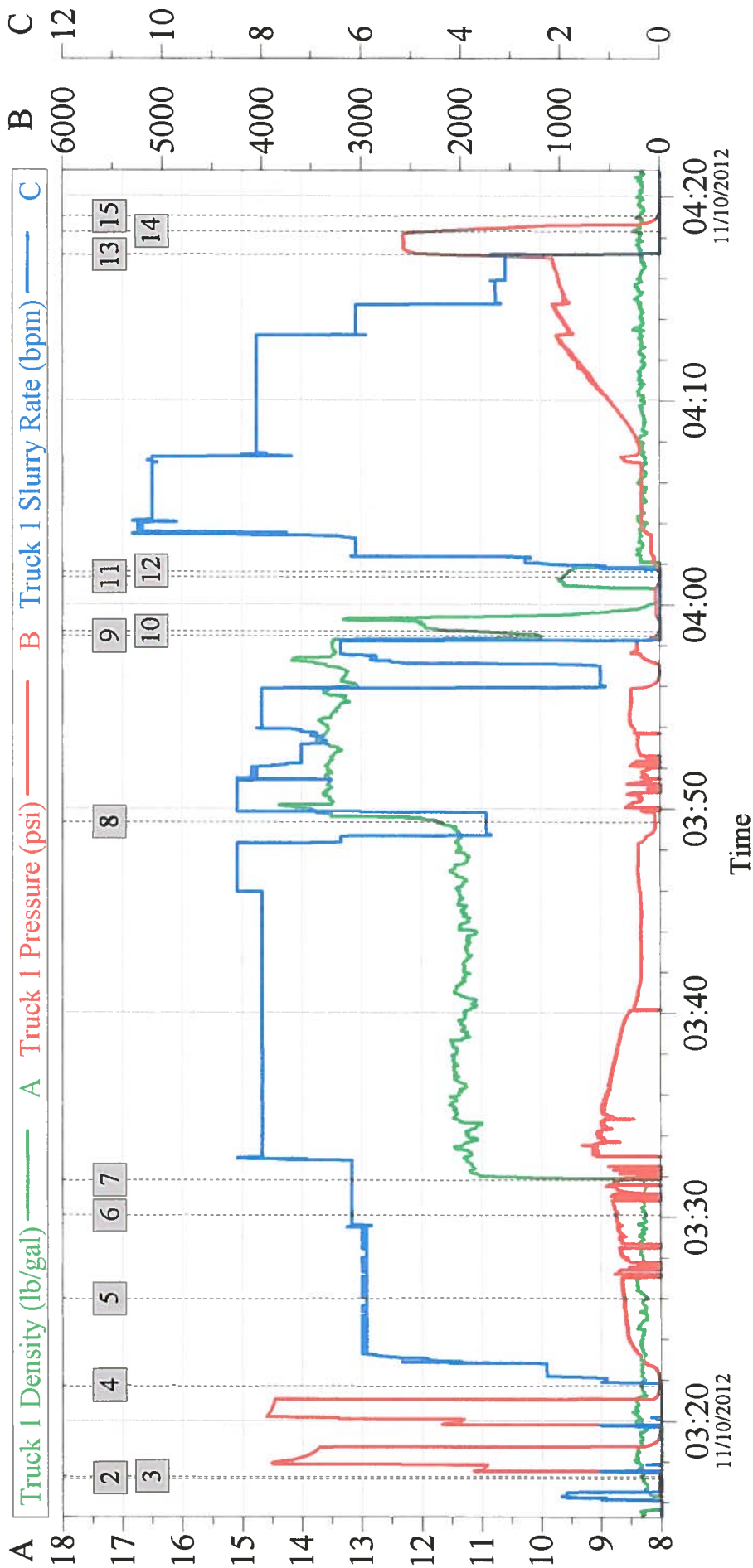
9950966

QUANTITY : 70.0015

DATE : 11/09/2012 04:05:00

# Sundance MLD 21-22

## 4.5 Production



### Global Event Log

2	Start Job	03:17:12	3	Test Lines	03:17:18	4	Water	03:21:44
5	Mud Flush	03:26:00	6	Water	03:30:05	7	11.3ppg ExtendaCem	03:31:49
8	13.5 ppg FracCem	03:49:21	9	Shutdown	03:58:29	10	Clean Lines	03:58:42
11	Drop Plug	04:01:21	12	Pump Displacement	04:01:38	13	Bump Plug	04:17:09
14	Check Floats	04:18:17	15	End Job	04:19:01			

Customer:

Job Date: 10-Nov-2012

Sales Order #: 9950966

Well Description:

UWI: