

**HALLIBURTON**

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# **CONOCO/PHILLIPS COMPANY EBUSINESS**

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Converse Family 6-1H  
WILDCAT  
Arapahoe County , Colorado

**Cement Intermediate Casing**  
05-May-2013

**Job Site Documents**

Field Ticket Number: 900416643		Field Ticket Date: Monday, May 06, 2013	
<b>Payee:</b> CONOCOPHILLIPS - FARMINGTON NM 5525 HWY 64 FARMINGTON, NM 87401		<b>Job Name:</b> Intermediate Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Converse Family 6-1H <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Fort Lupton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Oil <b>Well Category:</b> Development	
<b>Ship To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS Converse Family, 6-1H 2987082 S6 T4S R63W WATKINS, CO 80137			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00	0.00	64%	0.00
2	MILEAGE FOR CEMENTING CREW,ZI	82	MI	0.00	5.76	472.32	64%	170.04
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	82	MI	0.00	9.79	802.78	64%	289.00
	Number of Units	1						
16091	ZI - PUMPING CHARGE	1	EA	0.00	9,081.00	9,081.00	64%	3,269.16
	DEPTH	7669						
	FEET/METERS (FT/M)		FT					
114	R/A DENSOMETER W/CHART RECORDER,/JOB,Z	1	JOB	0.00	1,285.00	1,285.00	64%	462.60
	NUMBER OF UNITS	1						
139	ADC (AUTO DENSITY CTRL) SYS,/JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	64%	2,275.00
	NUMBER OF UNITS	1						
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA	0.00	2,549.00	2,549.00	64%	917.64
	DAYS OR PARTIAL DAY(WHOLE NO.)	1						
92	PORTABLE RADIOS, ZI	6	EA	0.00	323.00	1,938.00	64%	697.68
	NUMBER OF JOBS	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	0.00	1,322.00	1,322.00	64%	475.92
	DAYS OR FRACTION (MIN1)	1						
90	ZI QUICK LATCH ATTACHMENT	1	JOB	0.00	491.00	491.00	64%	176.76
	SIZE IN INCHES/MILLIMETER	7						
	INCHES/MILLIMETERS (IN/MM)		IN					
101229888	PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA	0.00	289.00	289.00	64%	104.04

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<b>Ship To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS Converse Family, 6-1H 2987082 S6 T4S R63W WATKINS, CO 80137			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
101229886	PLUG,CMTG,BOT,7,HWE,5.66 MIN/6.54 MAX CS	1	EA	0.00	289.00	289.00	64%	104.04
144	ZI-100 BBL BLENDER STANBY TIME NUMBER OF UNITS	1 1	H	0.00	216.00	216.00	64%	77.76
143	ZI-100 BBL BLENDER (4 HR) HOURS OR FRACTION (MIN4)	1 1	EA	0.00	3,898.00	3,898.00	64%	1,403.28
7	ENVIRONMENTAL CHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	83.00	83.00		83.00
372867	Cmt PSL - DOT Vehicle Charge, CMT	5	EA	0.00	241.00	1,205.00		1,205.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	82 1	MI	0.00	0.24	19.68		19.68
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	82 5	MI	0.00	0.72	295.20		295.20
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	41 33.07	MI	0.00	0.24	325.41		325.41
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	41 33.07	MI	0.00	3.35	4,542.16	64%	1,635.18
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH Unit of Measurement	943 1	CF EA	0.00	5.49	5,177.07	64%	1,863.75
719269	SBM, CMT CleanSpacer III	40	BBL	0.00	250.00	10,000.00	64%	3,600.00
100003696	MUSOL(R) A	20	GAL	0.00	155.97	3,119.40	64%	1,122.98

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<b>Ship To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS Converse Family, 6-1H 2987082 S6 T4S R63W WATKINS, CO 80137	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
100001626	SEM-7	20	GAL	0.00	143.08	2,861.60	64%	1,030.18
452981	EXTENDACEM (TM) SYSTEM	470	SK			36,963.49	64.0%	13,306.86
452986	HALCEM (TM) SYSTEM	140	SK			17,069.40	64.0%	6,144.99
				<b>Totals</b>	<b>USD</b>	<b>106,703.51</b>	<b>65,514.36</b>	<b>41,189.15</b>

Halliburton Rep: JOSEPH BARRAS  
 Customer Agent: Wes Evans  
 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

41,189.15

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

## Customer Information Only

COP plant code

COP approver/user ID

Network#

Activity code

OLA Number

### The Road to Excellence Starts with Safety

Sold To #: 352431	Ship To #: 2987082	Quote #:	Sales Order #: 900416643
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: Evans, Wes	
Well Name: Converse Family	Well #: 6-1H	API/UWI #: 05-005-07204	
Field: WILDCAT	City (SAP): WATKINS	County/Parish: Arapahoe	State: Colorado
Legal Description: Section 6 Township 4S Range 63W			
Lat: N 39.729 deg. OR N 39 deg. 43 min. 43.928 secs.		Long: W 104.472 deg. OR W -105 deg. 31 min. 40.418 secs.	
Contractor: H&P		Rig/Platform Name/Num: H&P 280	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: GROFF, THEODORE		Srvs Supervisor: BARRAS, JOSEPH	MBU ID Emp #: 405168

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BARNES, BRIAN L	7	485204	BARRAS, JOSEPH Corey	7	405168	CHISLUM, DENNIS	7	512130
MULLER, MICHEL B	7	529830	NIELSON, BRANDON K	7	479703	REED, FRED Marlon	7	504496

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	41 mile	10972458	41 mile	11019275C	41 mile	11527041C	41 mile
11532299	41 mile	11562562	41 mile	11812069C	41 mile	12010172	41 mile
53301	41 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	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	05 - May - 2013	13:00	MST
Form Type		BHST	Job Started	05 - May - 2013	18:00	MST
Job depth MD	7669. ft	Job Depth TVD	Job Completed	05 - May - 2013	21:16	MST
Water Depth		Wk Ht Above Floor	Job Completed	05 - May - 2013	23:48	GMT
Perforation Depth (MD)	From	To	Departed Loc	05 - May - 2013	01:00	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
8-3/4" Open Hole				8.75				1810.	7581.	1810.	7260.
7" Casing	Unknown		7.	6.276	26.		P-110		7581.		7260.
9-5/8" Casing	Unknown		9.625	8.921	36.	STC	J-55		1810.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	0	JOB		
SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA		
CLR,FLT,7 LG 8RD 23-26PPF,2-3/4	1	EA		
CENTRALISER SLIDER II,#0700-0834S	80	EA		
CLAMP - LIMIT - 7 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		
MILEAGE FOR CEMENTING CREW,ZI	100	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	100	MI		

### 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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Clean Spacer III		40.00	bbl	10.5	3.86	24.21	.0	
	0.5 gal/bbl	MUSOL(R) A, BULK (100003696)							
	0.5 gal/bbl	SEM-7, 55 GAL DRUM (100001626)							
2	ExtendaCem B1	EXTENDACEM (TM) SYSTEM (452981)	470.0	sacks	12.	1.99	10.64		10.64
	0.2 %	SUPER CBL, 50 LB PAIL (100003668)							
	3 %	SALT, BULK (100003695)							
	10.64 Gal	FRESH WATER							
3	HalCem	HALCEM (TM) SYSTEM (452986)	140.0	sacks	15.8	1.52	6.2		6.2
	0.2 %	HR-5, 50 LB SK (100005050)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	0.1 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	6.2 Gal	FRESH WATER							

Calculated Values		Pressures		Volumes			
Displacement		Shut In: Instant		Lost Returns	0	Cement Slurry	Pad
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	Treatment
Frac Gradient		15 Min		Spacers	36.5	Load and Breakdown	Total Job

Rates							
Circulating		Mixing		Displacement		Avg. Job	
Cement Left In Pipe	Amount	80 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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*The Road to Excellence Starts with Safety*

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Field: WILDCAT	City (SAP): WATKINS	County/Parish: Arapahoe	State: Colorado
Legal Description: Section 6 Township 4S Range 63W			
Lat: N 39.729 deg. OR N 39 deg. 43 min. 43.928 secs.		Long: W 104.472 deg. OR W -105 deg. 31 min. 40.418 secs.	
Contractor: H&P		Rig/Platform Name/Num: H&P 280	
Job Purpose: Cement Intermediate Casing		Ticket Amount:	
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: GROFF, THEODORE		MBU ID Emp #: 405168	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	05/05/2013 21:16							
Test Lines	05/05/2013 21:18		0.5					TEST TO 3500 PSI NO VISIBLE LEAKS
Pump Spacer 1	05/05/2013 21:21		4		40		430.0	MIXED WITH CITY WATER @ 10.5 PPG /40 BBL OF CLEAN SPACER III
Drop Bottom Plug	05/05/2013 21:35							
Pump Lead Cement	05/05/2013 21:35		8		166.5		639.0	MIXED WITH CITY WATER @12 PPG/166.5 BBL OR 470 SKS OF EXTENDCEM
Pump Tail Cement	05/05/2013 21:58		7.5		37.8		618.0	MIXED WITH CITY WATER @ 15.8 PPG/37.8 BBL OR 140 SKS OF HALCEM
Clean Lines	05/05/2013 22:05							PUMPED 5 BBL TO PIT
Drop Top Plug	05/05/2013 22:07							
Pump Displacement	05/05/2013 22:10		7		273.5		2099.0	PUMPED CITY WATER /273.5 CALCULATED SPACEER TO SURFACE @ 237 BBL AWAY
Bump Plug	05/05/2013 23:10		2		273.5		2500.0	
Check Floats	05/05/2013 23:14							FLOATS HELD WITH 3 BBL BACK TO TRUCK
Other	05/05/2013 23:17		1.5				1500.0	CASING TEST HELD FOR 30 MIN
End Job	05/05/2013 23:48							

Sold To #: 352431

Ship To #: 2987082

Quote # :

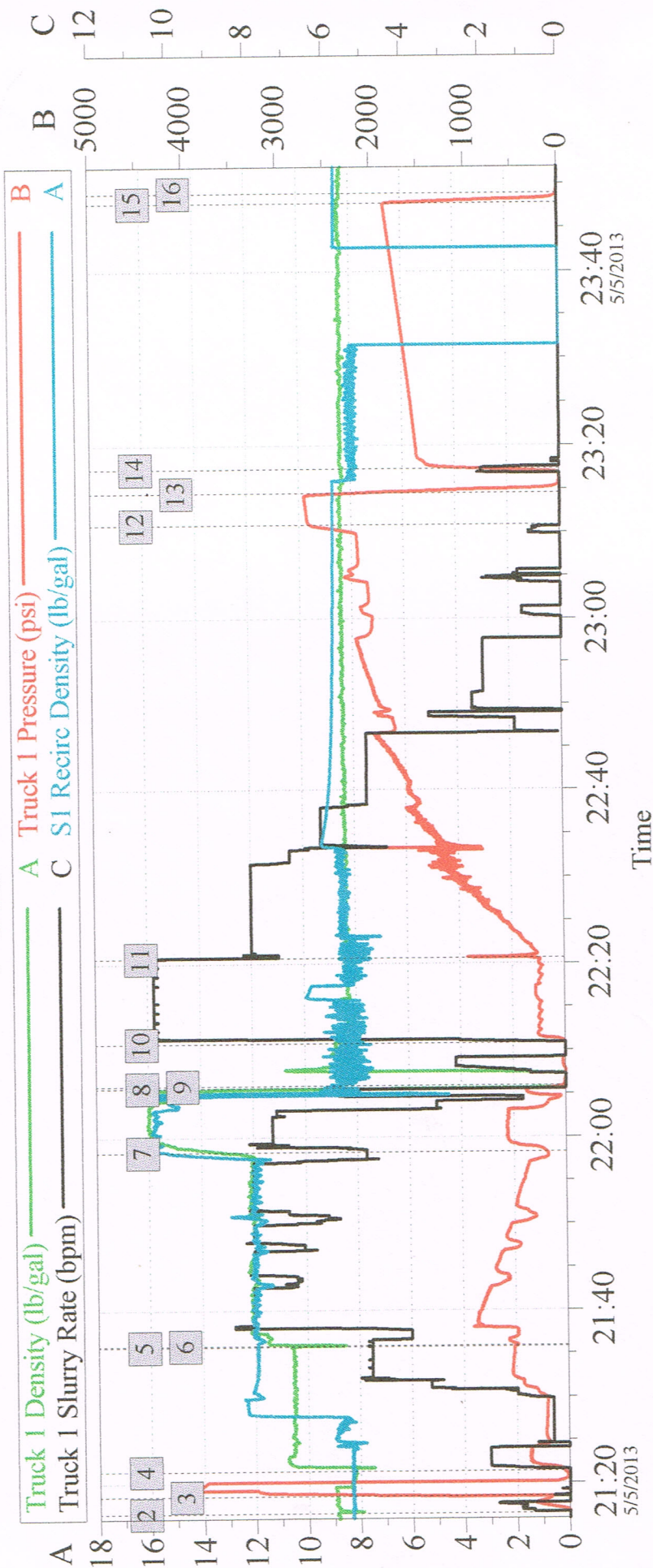
Sales Order #: 900416643

SUMMIT Version: 7.3.0079

Monday, May 06, 2013 12:32:00

# CONOCO PHILLIPS CONVERSE FAMILY 6-1H

## 7" INERMIEDIATE



### Global Event Log

Intersection	T1P	Intersection	T1P
1 Starting Job	19:36:26 -119.0	2 Start Job	21:16:25 -1.000
4 Pump Spacer 1	21:21:24 60.19	5 Drop Bottom Plug	21:35:49 547.4
7 Pump Tail Cement	21:58:19 211.5	8 Shutdown	22:05:44 82.84
10 Pump Displacement	22:10:50 -1.000	11 Displ Reached Cmmt	22:20:39 567.2
13 Other	23:14:34 2168	14 Test Lines	23:17:20 810.6
16 End Job	23:48:57 5.136	3 Test Lines	21:18:27 1299
		6 Pump Lead Cement	21:35:53 543.5
		9 Clean Lines	22:05:58 25.33
		12 Bump Plug	23:10:54 2663
		15 Other	23:47:48 1823

Customer:  
Well Description:

Job Date: 05-May-2013  
UWI:

Sales Order #: 900416643

Crew: \_\_\_\_\_  
Requested Job Start Date: \_\_\_\_\_

## Colorado Oil and Gas Commission Wellsite Form

Customer: CONOCO PHILLIPS      Field:      Job Type: INTERMEDIATE

UWI / API Number: 05-005-07204      County/Parish: ARAPAHOE      : SERVICE SUPERVISOR JOSEPH BARRAS

Well Name: CONVERSE FAMILY      State: COLORADO

Well No: 6-1H      Latitude:      Cust Rep Name:

Stage / Zone:      Longitude:      Cust Rep Phone #:

Formation:      Sect / Twn / Rng: / /

**Do Not leave the yard without the proper MSDS documentation for All chemicals.**

Colorado Oil and Gas Commission					
Material	Delivered to Location	UOM	Specific Gravity	Weight (lbs)	Comment
CLEAN SPACER	40 BBL				
EXTENDCEM	470 SKS				
HALCEM	140 SKS				

☐

Operator provided all Material Safety Data Sheets (MSDS) related to material listed above.  
Operator representative will check box to designate he/she has received all MSDS documentation.

\_\_\_\_\_  
Operator Representative Signature

# Water Analysis For Cement Mixing Water

Company: CONOCO/PHILLIP S COMPANY  
EBUSINESS  
Rig Name/Nbr: H&P 280  
County: Arapahoe  
Lease: Converse Family  
State: Colorado  
Well Name, Nbr: Converse Family, 6-1H  
API No. /UWI: 05-005-07204  
Country: United States of America

## FIELD TEST KIT

**NOTE:** These tests are an indication of POTENTIAL contamination and are not conclusive.  
For more comprehensive results, a sample should be submitted to the Local Area Lab

Date: 05-May-2013  
Service Supervisor: BARRAS, JOSEPH

Ticket Number: 900416643  
Water Source: FRAC TANK

Temperature: 52  
pH: 7  
Specific Gravity: \_\_\_\_\_  
Chart in Kit shows comparisons of: Chlorides  
Calcium

[<80 F]  
[between 6-8 pH]  
[1.000 - 1.005 see Chart]  
[<3,000 ppm @ 1.004 S.G.]  
[<500 ppm @ 1.004 S.G.]

PASS	FAIL	<u>Nessler's Nitrogen</u>	[Passing Parameters]
<input type="checkbox"/>	<input type="checkbox"/>	Color of Yellow	[<4.5 ppm (mg/L)]
		_____	
		<u>Tannin-Lignin</u>	
<input type="checkbox"/>	<input type="checkbox"/>	Color of Blue	[<25.0 ppm]
		_____	
		<u>Sulfate</u>	<200
		Degree of Clarity	[200 ppm]
<input type="checkbox"/>	<input type="checkbox"/>	Black X Visible	[if NO >200 ppm = FAIL]
		_____	
		<u>Iron (Fe)</u>	0
<input type="checkbox"/>	<input type="checkbox"/>	Degree of Orange	[<20.0 ppm]
		_____	