

HALLIBURTON

CONOCO/PHILLIPS COMPANY EBUSINESS

Converse Family 6-1H
WILDCAT
Arapahoe County , Colorado

Plug Service - Whipstock
01-May-2013

Job Site Documents

Field Ticket Number: 900402435		Field Ticket Date: Wednesday, May 01, 2013	
Bill To: 		Job Name: Converse Family Order Type: Streamline Order (ZOH) Well Name: Converse Family 6-1H Company Code: 1100 Customer PO No.: NA Shipping Point: Fort Lupton, CO, USA Sales Office: Rocky Mountains BD Well Type: Oil Well Category: Development	
Ship To: CONOCO CONVERSE FAMILY 6 #1H,ARAPAH CONVERSE FAMILY 6 #1H 2987082 S6 T4S R63W WATKINS, CO 80137			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7529	CMT WHIPSTOCK PLUG 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	1,605.56	64%	578.00
	Number of Units	2						
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	82	MI	0.00	0.24	19.68		19.68
	Number of Units	1						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	82	MI	0.00	0.72	118.08		118.08
	Number of Units	2						
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	41	MI	0.00	3.35	3,360.95	64%	1,209.94
	NUMBER OF TONS	24.47						
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	41	MI	0.00	0.24	241.08		241.08
	NUMBER OF TONS	24.5						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	594	CF	0.00	5.49	3,261.06	64%	1,173.98
	NUMBER OF EACH	1						
	Unit of Measurement		EA					
16094	PLUG BACK/SPOT CEMENT OR MUD,ZI	1	EA	0.00	11,033.00	11,033.00	64%	3,971.88
	DEPTH	7616						
	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%	819.00
	NUMBER OF UNITS	1						

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Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES DAYS OR PARTIAL DAY(WHOLE NO.)	1 1	EA	0.00	2,549.00	2,549.00	64%	917.64
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	0.00	1,322.00	1,322.00	64%	475.92
92	PORTABLE RADIOS, ZI NUMBER OF JOBS	4 1	EA		0.00	0.00		0.00
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	4	EA	0.00	241.00	964.00		964.00
719269	SBM, CMT CleanSpacer III	40	BBL	0.00	250.00	10,000.00	64%	3,600.00
100001626	SEM-7	20	GAL	0.00	143.08	2,861.60	64%	1,030.18
100003696	MUSOL(R) A	20	GAL	0.00	155.97	3,119.40	64%	1,122.98
102077046	CHEM, SA-1015, 50 LB SACK	62	LB	0.00	84.60	5,245.20	64%	1,888.27
100003691	SAND-200 MESH SILICA FLOUR SSA-1	5819	LB	0.00	1.50	8,728.50	64%	3,142.26
452969	PLUGCEM (TM) SYSTEM	338	SK			41,413.56	64%	14,908.88
101007444	D-AIR 3000L	10	GAL	0.00	140.55	1,405.50	64%	505.98
16096	Plugging Back, EA ADD HR, ZI HOURS UNIT OF MEASURE - HRS	1 5	EA H	0.00	1,139.00	5,695.00	64%	2,050.20

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Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
				Totals	USD	107,192.49	67,604.90	39,587.59

Halliburton Rep:

BRANDON NIELSON

Customer Agent:

RICHARD PEREZ

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

39,587.59

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

The Road to Excellence Starts with Safety

Sold To #: 352431		Ship To #: 2987082		Quote #:		Sales Order #: 900402435	
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS				Customer Rep: PEREZ, RICHARD			
Well Name: Converse Family			Well #: 6-1H		API/UWI #: 05-005-07204		
Field: WILDCAT		City (SAP): WATKINS		County/Parish: Arapahoe		State: Colorado	
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.			
Job Purpose: Plug Service - Whipstock							
Well Type: Development Well			Job Type: Plug Service - Whipstock				
Sales Person: FLING, MATTHEW			Srv Supervisor: NIELSON, BRANDON		MBU ID Emp #: 479703		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BARNES, BRIAN L	13.0	485204	BARRAS, JOSEPH Corey	13.0	405168	BROOM, KENDALL L	13.0	524682
NIELSON, BRANDON K	13.0	479703						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11064535	41 mile	11360865C	41 mile	11527041C	41 mile	11532299	41 mile
11764054C	41 mile	11812069C	41 mile	12010172	41 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5-1-13	12	2	5-2-13	1	0			
TOTAL		Total is the sum of each column separately						

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	7616. ft					On Location	01 - May - 2013	06:30	MST
						Wk Ht Above Floor				Job Started	01 - May - 2013	12:00	MST
						4. ft				Job Completed	01 - May - 2013	21:53	MST
										Departed Loc	02 - May - 2013	22:55	MST
											01 - 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" Pilot Hole				8.75				1810.	7646.		
9-5/8" Casing	Unknown		9.625	8.921	36.	STC	J-55		1810.		
4" Drill Pipe	Unknown		4.	3.34	14.				5787.		
4" HWDP	Unknown		4.	2.	29.			5787.	6687.		
OH Whipstock Assembly	Unknown		6.625	2.				6687.	6699.		
2-7/8" Tubing	Unknown		2.875	2.441	6.4			6699.	7616.		

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		

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	Clean Spacer III		38.00	bbl	10.5	3.86	24.21	.0	
	0.5 gal/bbl	SEM-7, 5 GAL PAIL (100003860)							
	0.5 gal/bbl	MUSOL(R) A, 5 GAL PAIL (100064220)							
2	PlugCem	PLUGCEM (TM) SYSTEM (452969)	338.0	sacks	15.8	1.52	6.19		6.19
	6.19 Gal	FRESH WATER							
3	Clean Spacer III		3.00	bbl	10.5	3.86	24.21	.0	
	0.5 gal/bbl	SEM-7, 5 GAL PAIL (100003860)							
	0.5 gal/bbl	MUSOL(R) A, 5 GAL PAIL (100064220)							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement	±/- 6287	5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
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					

The Road to Excellence Starts with Safety

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Sold To #: 352431	Ship To #: 2987082	Quote #:	Sales Order #: 900402435
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: PEREZ, RICHARD	
Well Name: Converse Family	Well #: 6-1H	API/UWI #: 05-005-07204	
Field: WILDCAT	City (SAP): WATKINS	County/Parish: Arapahoe	State: Colorado
Legal Description:			
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:	Rig/Platform Name/Num: H&P 280		
Job Purpose: Plug Service - Whipstock			Ticket Amount:
Well Type: Development Well	Job Type: Plug Service - Whipstock		
Sales Person: FLING, MATTHEW	Srv Supervisor: NIELSON, BRANDON	MBU ID Emp #: 479703	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	05/01/2013 21:53							TESTED LINES TO 2500 PSI NO VISIBLE LEAKS
Pump Spacer 1	05/01/2013 21:57		4	35		466.0		CLEAN SPACER MIXED @ 10.5 PPG WITH FRES WATER ON BATCH MIXER
Pump Cement	05/01/2013 22:07		4	91.5		233.0		338 SKS PLUGCEM MIXED @ 15.8 PPG WITH FRESH WATER ON RED TIGER
Pump Spacer 1	05/01/2013 22:36		4	5		230.0		CLEAN SPACER MIXED @ 10.5 PPG WITH FRESH WATER ON BATCH MIXER
Pump Displacement	05/01/2013 22:37		4	49.5		70.0		OBM TO 5 BBL BEFORE CALCULATED OR UNTIL PLUG STARTS BALANCING. Calculated displacement was 54.5 bbl plug started to balance at 49.5 bbl away
Other	05/01/2013 22:51					75.0		RELEASED ANY PRESSURE TO LET PLUG BALANCE AND INSTRUCTED DRILLER TO COME OUT OF THE PLUG AT NO MORE THAN 60 FT/ MIN TO TEN STAND ABOVE PLUG TOP.
Shutdown	05/01/2013 22:51							
End Job	05/01/2013 22:55							

Sold To #: 352431

Ship To #: 2987082

Quote #:

Sales Order #: 900402435

SUMMIT Version: 7.3.0079

Wednesday, May 01, 2013 11:49:00

Water Analysis For Cement Mixing Water

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

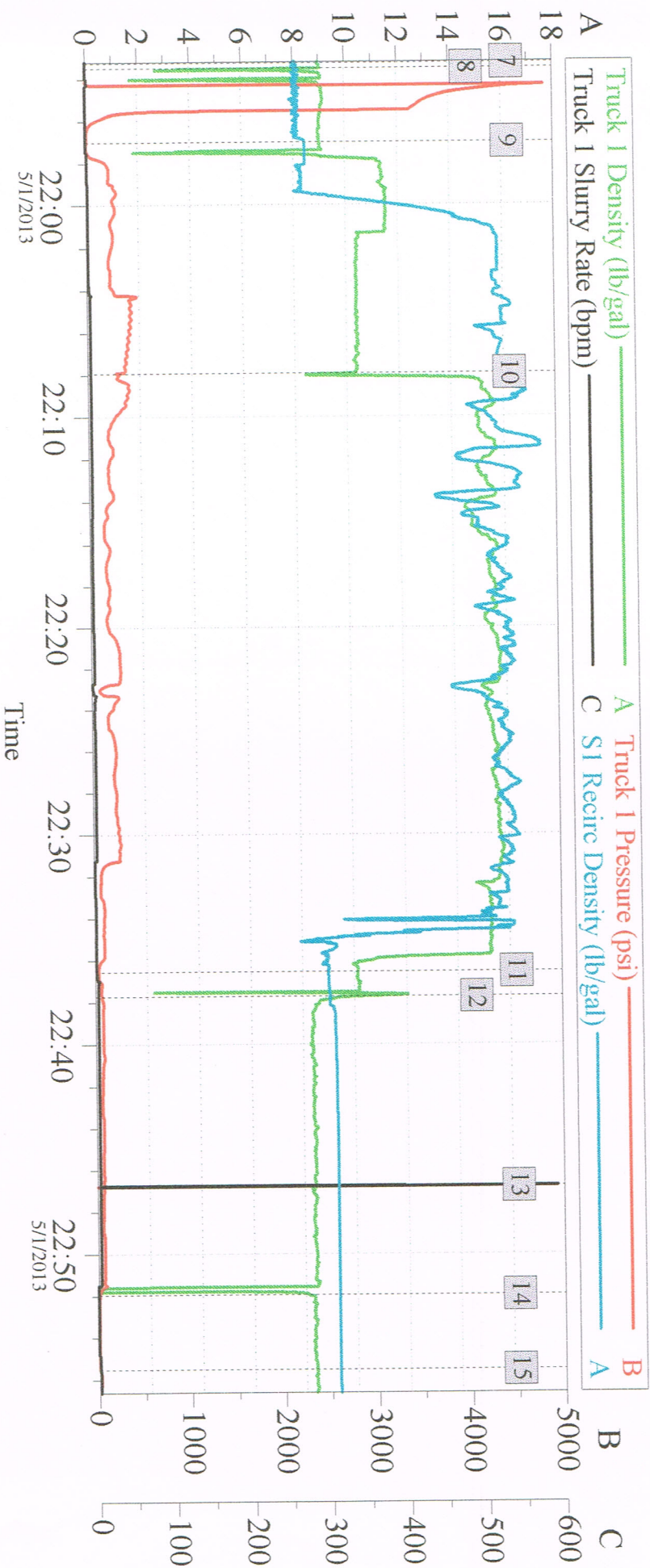
Date: 01-May-2013
 Service Supervisor: NIELSON, BRANDON

Ticket Number: 900402435
 Water Source: Frac tank

Temperature: 57 [$<80\text{ F}$]
 pH: 7 [between 6-8 pH]
 Specific Gravity: [1.000 - 1.005 see Chart]
 Chart in Kit shows comparisons of: Chlorides 0 [$<3,000\text{ ppm @ }1.004\text{ S.G.}$]
 Calcium [$<500\text{ ppm @ }1.004\text{ S.G.}$]

PASS	FAIL	<u>Nessler's Nitrogen</u>	[Passing Parameters]
<input type="checkbox"/>	<input type="checkbox"/>	Color of Yellow	[$<4.5\text{ ppm (mg/L)}$]
		<u>Tannin-Lignin</u>	
<input type="checkbox"/>	<input type="checkbox"/>	Color of Blue	[$<25.0\text{ ppm}$]
		<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	[$<20.0\text{ ppm}$]

CONOCO PHILLIPS CONVERGE FAMILY 6-1H PLUG KOP



Global Event Log

Intersection	T1P	Intersection	T1P	Intersection	T1P
1 Starting Job	14:15:48 -122.0	2 Start Job	14:24:28 -44.04	3 Start Job	14:25:17 -121.0
4 Start Job	20:38:51 -120.0	5 Start Job	20:45:31 -85.67	6 Start Job	20:48:16 -120.0
7 Start Job	21:53:14 1.000	8 Test Lines	21:53:28 1.000	9 Pump Spacer 1	21:57:01 7.000
10 Pump Cement	22:07:56 314.8	11 Pump Spacer 1	22:36:33 35.00	12 Pump Displacement	22:37:44 74.00
13 Start Job	22:46:46 42.40	14 Shutdown	22:51:56 10.26	15 End Job	22:55:32 7.000
16 Ending Job	23:11:18 1.000				

Customer:
Well Description:

Job Date: 01-May-2013
UWI:

Sales Order #: 900402435

Crew: _____
Requested Job Start Date: _____

Colorado Oil and Gas Commission Wellsite Form

Customer: Conoco Phillips Field: Job Type: KOP

UWI / API Number: 05-005-07204 County/Parish: : SERVICE
WELD SUPERVISOR
Brandon Nielson

Well Name: Converse Family State: COLORADO

Well No: 6-1h Latitude:

Stage / Zone: Longitude: Cust Rep Name:

Formation: Sect / Twn / Rng: / / Cust Rep Phone #:

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
PLUGCEM	338 SKS				
CLEAN SPACER	40 LBS				
CEM 7	20 GAL				
MUSOL A	20 GAL				
D AIR 3000 L	20 GAL				

☐

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