

HALLIBURTON

CONOCO/PHILLIPS COMPANY EBUSINESS

**Zukowski 17-1H
WILDCAT
Arapahoe County , Colorado**

**Plug Service - Whipstock
12-Jul-2013**

Job Site Documents

Field Ticket

Field Ticket Number: 900585229		Field Ticket Date: Saturday, July 13, 2013	
Bill To:		Job Name: Whipstock	
Ship To: CONOCO ZUKOWSKI 17 #1H,ARAPAHOE ZUKOWSKI 17 #1H 3008551 S17 T4S R64W AURORA, CO 80010		Order Type: Streamline Order (ZOH)	
		Well Name: Zukowski 17-1H	
		Company Code: 1100	
		Customer PO No.: NA	
		Shipping Point: Fort Lupton, CO, USA	
		Sales Office: Rocky Mountains BD	
		Well Type: Gas	
		Well Category: Development	

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	67%	0.00
2	MILEAGE FOR CEMENTING CREW,ZI	80	MI	0.00	5.76	460.80	67%	152.06
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	80	MI	0.00	9.79	1,566.40	67%	516.91
	Number of Units	2						
16094	PLUG BACK/SPOT CEMENT OR MUD,ZI	1	EA	0.00	11,033.00	11,033.00	67%	3,640.89
	DEPTH	7995						
	FEET/METERS (FT/M)		FT					
114	R/A DENSOMETER W/CHART RECORDER,/JOB,Z	1	JOB	0.00	1,285.00	1,285.00	67%	424.05
	NUMBER OF UNITS	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	67%	750.75
	NUMBER OF UNITS	1						
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA	0.00	2,549.00	2,549.00	67%	841.17
	DAYS OR PARTIAL DAY(WHOLE NO.)	1						
92	PORTABLE RADIOS, ZI	5	EA	0.00	323.00	1,615.00		1,615.00
	NUMBER OF JOBS	1						
719269	SBM, CMT CleanSpacer III	40	BBL	0.00	250.00	10,000.00	67%	3,300.00
100001626	SEM-7	20	GAL	0.00	143.08	2,861.60	67%	944.33
100001636	MUSOL(R) A	20	GAL	0.00	155.97	3,119.40	67%	1,029.40
452969	PLUGCEM (TM) SYSTEM	325	SK			40,137.26	67%	13,245.29
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	40	MI	0.00	3.35	3,173.12	67%	1,047.13

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Ship To: CONOCO ZUKOWSKI 17 #1H,ARAPAHOE ZUKOWSKI 17 #1H 3008551 S17 T4S R64W AURORA, CO 80010			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount		
	NUMBER OF TONS	23.68								
3965	HANDLE&DUMP SVC CHRГ, CMT&ADDITIVES,ZI	575	CF	0.00	5.49	3,156.75	67%	1,041.73		
	NUMBER OF EACH	1								
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	80	MI	0.00	0.24	19.20		19.20		
	Number of Units	1								
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	80	MI	0.00	0.72	115.20		115.20		
	Number of Units	2								
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	40	MI	0.00	0.24	227.33		227.33		
	NUMBER OF TONS	23.68								
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		
Halliburton Rep: NICHOLAS VIGIL						Totals	USD	84,775.06	54,683.62	30,091.44
Customer Agent: Wes Evens										
Halliburton Approval										

Field Ticket

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Ship To:
CONOCO ZUKOWSKI 17 #1H,ARAPAHOE
ZUKOWSKI 17 #1H
3008551
S17 T4S R64W
AURORA, CO 80010

Job Name: Whipstock
Order Type: Streamline Order (ZOH)
Well Name: Zukowski 17-1H
Company Code: 1100
Customer PO No.: NA
Shipping Point: Fort Lupton, CO, USA
Sales Office: Rocky Mountains BD
Well Type: Gas
Well Category: Development

Table with 8 columns: Material, Description, QTY, UOM, Base Amt, Unit Amt, Gross Amount, Discount, Net Amount

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 30,091.44

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 #: 3008551	Quote #:	Sales Order #: 900585229
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: Evens, Wes	
Well Name: Zukowski	Well #: 17-1H	API/UWI #: 05005072080000	
Field: WILDCAT	City (SAP): AURORA	County/Parish: Arapahoe	State: Colorado
Legal Description: Section 17 Township 4S Range 64W			
Contractor: H&P		Rig/Platform Name/Num: H&P 280	
Job Purpose: Plug Service - Whipstock			
Well Type: Development Well		Job Type: Plug Service - Whipstock	
Sales Person: GROFF, THEODORE		Srvc Supervisor: VIGIL, NICHOLAS	MBU ID Emp #: 443481

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MAYFIELD, BYRON L	7.5	528751	MULLER, MICHEL B	7.5	529830	Reed, Paul	7.5	777779
ROMERO, JOSEPH M	7.5	512137	SIMS, DENNIS A	7.5	158880	VIGIL, NICHOLAS Joseph	7.5	443481

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857080C	40 mile	11398490	40 mile	11527041C	40 mile	11562570C	40 mile
11748359	40 mile	12010168	40 mile	5707C	40 mile	NA	40 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/12/2013	7.5	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
				On Location	12 - Jul - 2013	14:00	MST
Form Type			BHST	On Location	12 - Jul - 2013	18:30	MST
Job depth MD	7916. ft		Job Depth TVD	7916. ft	Job Started	12 - Jul - 2013	22:19
Water Depth			Wk Ht Above Floor		Job Completed	12 - Jul - 2013	23:16
Perforation Depth (MD)	From		To		Departed Loc	13 - Jul - 2013	02:00

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				1970.	7995.		
9-5/8" Casing	Unknown		9.625	8.921	36.	STC	J-55	.	1970.		
4" Drill Pipe	Unknown		4.	3.34	14.			.	6009.		
4" HWDP	Unknown		4.	2.	29.			6009.	7009.		
OH Whipstock Assembly	Unknown		6.625	2.				7009.	7021.		
2-7/8" Tubing	Unknown		2.875	2.441	6.4			7021.	7970.		

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

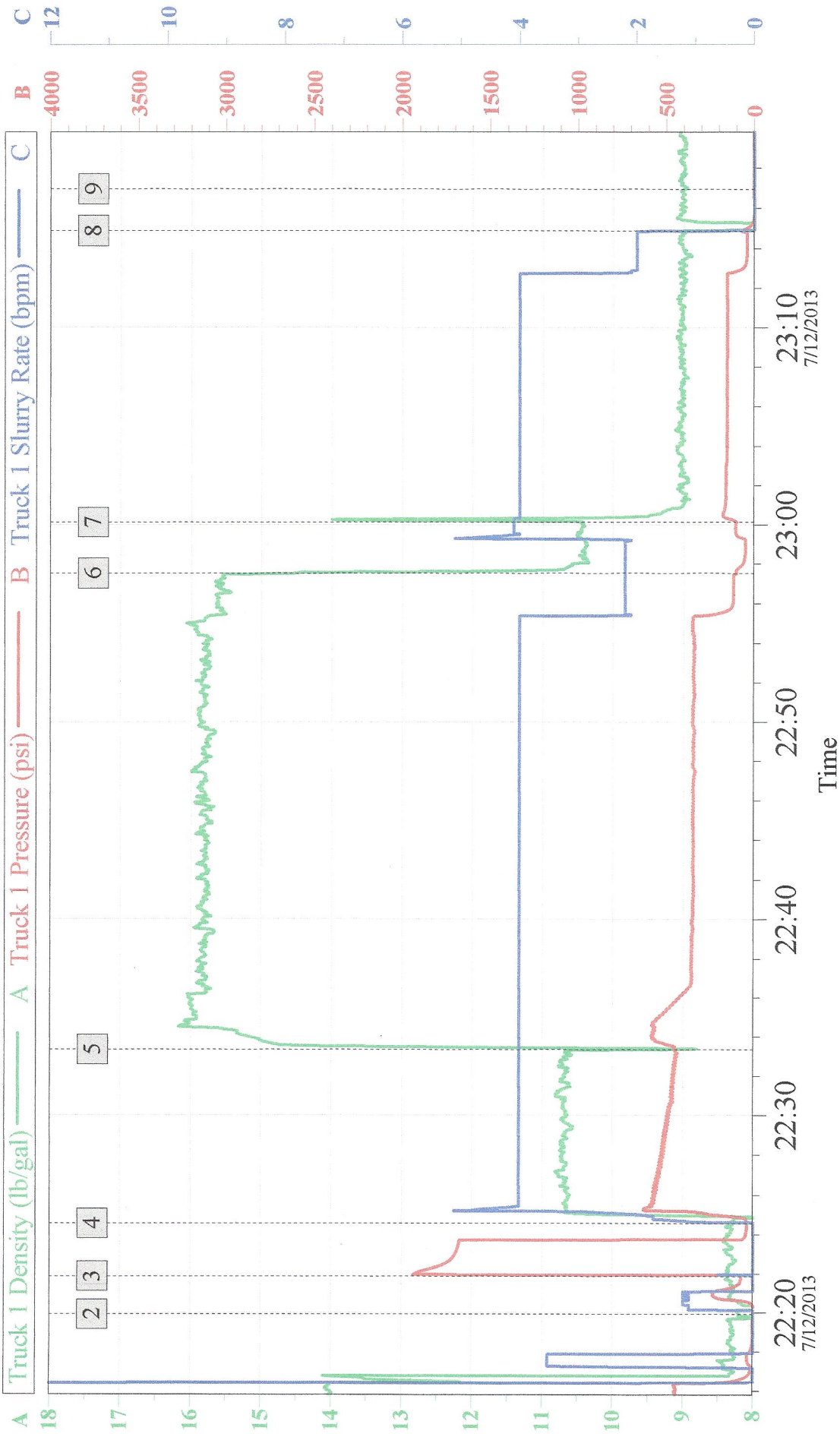
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc %
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

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	Clean Spacer III		37.00	bbl	10.5	.0	.0	.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)	325.0	sacks	15.8	1.52	6.19		6.19
	35 %	SAND-SSA-1 - SILICA FLOUR - 200 MESH, BULK (100003691)							
	0.25 %	HR-5, 50 LB SK (100005050)							
	6.19 Gal	FRESH WATER							
3	Clean Spacer III		3.00	bbl	10.5	.0	.0	.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	58.5	Shut In: Instant		Lost Returns	no	Cement Slurry		Pad	
Top Of Cement	6800'	5 Min		Cement Returns		Actual Displacement	56.5	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		4	Displacement		4	Avg. Job	4
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

Sold To #: 352431	Ship To #: 3008551	Quote #:	Sales Order #: 900585229
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Well Name: Zukowski	Well #: 17-1H	API/UWI #: 05005072080000	
Field: WILDCAT	City (SAP): AURORA	County/Parish: Arapahoe	State: Colorado
Legal Description: Section 17 Township 4S Range 64W			
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: H&P	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: GROFF, THEODORE	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	07/12/2013 18:30							Well site assesment, Hazard hunt, Rig up safety meeting, Waited for rig
Start Job	07/12/2013 22:19							Pre job safety meeting
Test Lines	07/12/2013 22:21							Pressure tested lines to 1500 psi
Pump Spacer 1	07/12/2013 22:24		4	35			498.0	10.5 ppg Clean Spacer
Pump Cement	07/12/2013 22:33		4	88			344.0	15.8 ppg PlugCem (325 sks), weight verified by scale
Pump Spacer 2	07/12/2013 22:57		4	5			119.0	10.5 ppg Clean Spacer
Pump Displacement	07/12/2013 23:00		4	56.5			153.0	9 ppg OBM, Calculated 58.5 bbl to balance we balanced at 56.5
End Job	07/12/2013 23:16							Rig down safety meeting



Customer:	Conoco Phillips	Job Date:	12-Jul-2013	Sales Order #:	900585229
Well Description:	Zukowski 17-1H	Job Type:	Whipstock	Supervisor:	N. VIGIL