

**HALLIBURTON**

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**CONOCO/PHILLIPS COMPANY EBUSINESS**

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**Tebo 29-2H  
WILD CAT  
Arapahoe County , Colorado**

**Cement Intermediate Casing  
14-Feb-2014**

**Job Site Documents**

## Field Ticket

<b>Field Ticket Number:</b> 901115098		<b>Field Ticket Date:</b> Thursday, February 13, 2014	
<b>Bill To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS DO NOT MAIL- 600 N DAIRY ASHFORD HOUSTON, TX 77079		<b>Job Name:</b> Surface Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Tebo 29-2H <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> Directional Oil <b>Well Category:</b> Development	
<b>Ship To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS Tebo, 29-2H 3105548 S 28 T 4S R 64W 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	67%	0.00
2	MILEAGE FOR CEMENTING CREW,ZI	90	MI	0.00	5.76	518.40	67%	171.07
	<i>Number of Units</i>	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	90	MI	0.00	9.79	1,762.20	67%	581.53
	<i>Number of Units</i>	2						
16091	ZI - PUMPING CHARGE	1	EA	0.00	10,344.00	10,344.00	67%	3,413.52
	<i>DEPTH</i>	8173						
	<i>FEET/METERS (FT/M)</i>		FT					
114	R/A DENSOMETER W/CHART RECORDER,/JOB,Z	1	JOB	0.00	1,285.00	1,285.00	67%	424.05
	<i>NUMBER OF UNITS</i>	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	67%	750.75
	<i>NUMBER OF UNITS</i>	1						
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA	0.00	2,549.00	2,549.00	67%	841.17
	<i>DAYS OR PARTIAL DAY(WHOLE NO.)</i>	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	0.00	1,322.00	1,322.00	67%	436.26
	<i>DAYS OR FRACTION (MIN1)</i>	1						
90	ZI QUICK LATCH ATTACHMENT	1	JOB	0.00	491.00	491.00	67%	162.03
	<i>SIZE IN INCHES/MILLIMETER</i>	7						
	<i>INCHES/MILLIMETERS (IN/MM)</i>		IN					
683670	CMT, Cement Winter Surcharge	1	EA	0.00	1,000.00	1,000.00		1,000.00
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

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<b>Ship To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS Tebo, 29-2H 3105548 S 28 T 4S R 64W WATKINS, CO 80137	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
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	90	MI	0.00	0.24	21.60		21.60
	<i>Number of Units</i>	1						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	90	MI	0.00	0.72	129.60		129.60
	<i>Number of Units</i>	2						
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	45	MI	0.00	0.24	351.22		351.22
	<i>NUMBER OF TONS</i>	32.52						
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	45	MI	0.00	3.35	4,902.39	67%	1,617.79
	<i>NUMBER OF TONS</i>	32.52						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	906	CF	0.00	5.49	4,973.94	67%	1,641.40
	<i>NUMBER OF EACH</i>	1						
	<i>Unit of Measurement</i>	0						
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
100003696	MUSOL(R) A	20	GAL	0.00	155.97	3,119.40	67%	1,029.40
452981	EXTENDACEM (TM) SYSTEM	465	SK			29,969.32	67%	9,889.87
100003668	SUPER CBL	73	LB	0.00	72.35	5,281.55	67%	1,742.91
100003652	SALT,MORTON-PUREX-FINE	1094	LB	0.00	0.53	579.82	67%	191.34
452986	HALCEM (TM) SYSTEM	135	SK			12,143.03	67%	4,007.19
100005050	HR-5	32	LB	0.00	11.07	354.24	67%	116.90

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<b>Ship To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS Tebo, 29-2H 3105548 S 28 T 4S R 64W WATKINS, CO 80137	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
101216940	POLY-E-FLAKE	17	LB	0.00	7.84	133.28	67%	43.98
101007444	D-AIR 3000L	20	GAL	0.00	140.55	2,811.00	67%	927.63
<i>Halliburton Rep:</i> VAUGHN OTERI						<i>Totals</i>	<i>USD</i>	
<i>Customer Agent:</i> Wes Evans								
<i>Halliburton Approval</i>								
						<b>100,600.59</b>	<b>65,443.05</b>	<b>35,157.54</b>

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** 35,157.54  
 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 #: 3105548	Quote #:	Sales Order #: 901115098
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: Evans, Wes	
Well Name: Tebo	Well #: 29-2H	API/UWI #: 05-005-07209	
Field: WILD CAT	City (SAP): WATKINS	County/Parish: Arapahoe	State: Colorado
Lat: N 39.676 deg. OR N 39 deg. 40 min. 33.6 secs.		Long: W 104.565 deg. OR W -105 deg. 26 min. 6 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: FLING, MATTHEW		Srvc Supervisor: OTERI, VAUGHN	MBU ID Emp #: 443828

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ACEVEDO, ROBERTO Carlos	9.0	551312	ALVAREZ, BRANDON Paul	9.0	555850	DEY, JERRY A	9.0	505015
HUTCHINSON, MICHAEL	9.0	563588	OTERI, VAUGHN Steeves	9.0	443828	TRIER, DEREK	9.0	546461
VIATOR, JASON Randolph	9.0	550394	WHEELER, JUSTIN W	9.0	196470			

**Equipment**

HES Unit #	Distance-1 way						
10248053C	45 mile	10679720C	45 mile	10977079	45 mile	11362287C	45 mile
11542577	45 mile	11562544C	45 mile	11562546C	45 mile	11630991C	45 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	14 - Feb - 2014	03:30	MST
Form Type			BHST	Job Started	14 - Feb - 2014	08:30	MST
Job depth MD	8173. ft		Job Depth TVD	Job Completed	14 - Feb - 2014	11:45	MST
Water Depth			Wk Ht Above Floor	Departed Loc	14 - Feb - 2014	13:00	MST
Perforation Depth (MD)	From		To				

**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
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**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					
<b>Miscellaneous Materials</b>															
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc		%	
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty			
<b>Fluid Data</b>															
<b>Stage/Plug #: 1</b>															
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	Clean Spacer III					40.00	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	ExtendaCem B1	<b>EXTENDACEM (TM) SYSTEM (452981)</b>				<b>465.0</b>	<b>sacks</b>	<b>12.</b>	<b>1.99</b>	<b>10.64</b>		<b>10.64</b>			
	0.2 %	SUPER CBL, 50 LB PAIL (100003668)													
	3 %	SALT, BULK (100003695)													
	10.64 Gal	FRESH WATER													
3	HalCem	<b>HALCEM (TM) SYSTEM (452986)</b>				<b>135.0</b>	<b>sacks</b>	<b>15.8</b>	<b>1.52</b>	<b>6.19</b>		<b>6.19</b>			
	0.25 %	HR-5, 50 LB SK (100005050)													
	0.125 lbm	POLY-E-FLAKE (101216940)													
	6.19 Gal	FRESH WATER													
<b>Calculated Values</b>				<b>Pressures</b>				<b>Volumes</b>							
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		40	Load and Breakdown		Total Job						
<b>Rates</b>															
Circulating		Mixing		8		Displacement		8		Avg. Job					
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									

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Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: Evans, Wes	
Well Name: Tebo	Well #: 29-2H	API/UWI #: 05-005-07209	
Field: WILD CAT	City (SAP): WATKINS	County/Parish: Arapahoe	State: Colorado
Legal Description:			
Lat: N 39.676 deg. OR N 39 deg. 40 min. 33.6 secs.		Long: W 104.565 deg. OR W -105 deg. 26 min. 6 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: FLING, MATTHEW	Srv Supervisor: OTERI, VAUGHN	MBU ID Emp #: 443828	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/13/2014 22:30							Called cement crew for Conoco-Phillips Tebo 29-2H Intermediate
Pre-Convoy Safety Meeting	02/14/2014 02:00							Discuss road and weather conditions, fatigue, and following distance
Depart from Service Center or Other Site	02/14/2014 02:15							Depart for location, call journey management
Arrive At Loc	02/14/2014 03:30							Closed journey, talked with company rep on volumes, rates, depth, rig
Casing on Bottom	02/14/2014 07:00							Casing on bottom rigged up cement head
Pre-Rig Up Safety Meeting	02/14/2014 07:30							Discussed rig up, line of fire, slips, and pinch point (Top and Bottom Plugs Loaded in Plug Container) Witnessed by Customer Rep.
Rig-Up Equipment	02/14/2014 07:45							Rigged up all HES equipment
Pre-Job Safety Meeting	02/14/2014 08:15							Discuss pump schedule, procedure, high pressure iron, and emergency plan
Other	02/14/2014 09:05							Stop circulation and tied into stand pipe to fill lines
Other	02/14/2014 09:15							Filled lines for pressure test
Pressure Test	02/14/2014 09:17							Pressure test pump and lines to 4000 psi
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

Sold To #: 352431

Ship To #: 3105548

Quote # :

Sales Order #: 901115098

SUMMIT Version: 7.3.0109

Friday, February 14, 2014 01:20:00

## Cementing Job Log

		#	Stage	Total	Tubing	Casing	
Pump Spacer	02/14/2014 09:23		3	40			150.0 Pump 40 bbls Clean Spacer III at 10.5 ppg (Add 20 Gals SEM-7, and Musol-A) (10 Gals of D-Air 3000L) Spacer mixed on Batch Mixer
Drop Bottom Plug	02/14/2014 09:38						Drop Bottom Plug on the Fly (Witnessed By Customer Rep.)
Pump Lead Cement	02/14/2014 09:40		4.5	164		495.0	Pump 129 bbls Lead Cement at 12.5ppg Y:1.97ft <sup>3</sup> /sk W:10.72gal/sk 370 sks
Pump Tail Cement	02/14/2014 10:02		2	36		40.0	Pump 52 bbls Tail Cement at 13.5ppg Y:1.74ft <sup>3</sup> /sk W:8.3gal/sk 170 sks
Shutdown	02/14/2014 10:13						Shutdown to drop top plug
Drop Top Plug	02/14/2014 10:17						Drop top plug (Witnessed By Customer Rep.)
Clean Lines	02/14/2014 10:18						Wash Pumps and Lines to 3 Sided Tank
Pump Displacement - Start	02/14/2014 10:20		12	0		420.0	Pump Fresh Water Displacement
Pump Displacement - End	02/14/2014 11:04		3	290.5		2500.0	
Bump Plug	02/14/2014 11:04		3	290.5		2970.0	
Check Floats	02/14/2014 11:08			3			Check Floats, Floats Holding, Returned 3 bbls back to tank
Pressure Up Well	02/14/2014 11:11						pressure up casing per conoco phillips policy
Returns To Surface	02/14/2014 11:39						
Spacer Returns to Surface	02/14/2014 11:39			250			Spacer returns to Surface
Pre-Rig Down Safety Meeting	02/14/2014 12:00						Discussed pressure on the head, slips, trips, falls, and overhead loads
End Job	02/14/2014 12:04						
Rig-Down Equipment	02/14/2014 13:00						Begin rigging down everything but the head
Pre-Convoy Safety Meeting	02/14/2014 13:20						Discuss fatigue, wildlife, weather, and journey management

Sold To #: 352431

Ship To #: 3105548

Quote #:

Sales Order #: 901115098

SUMMIT Version: 7.3.0109

Friday, February 14, 2014 01:20:00

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart Location for Service Center or Other Site	02/14/2014 13:30							Called in journey, depart location for service senter

Sold To #: 352431

Ship To #: 3105548

Quote #:

Sales Order #: 901115098

SUMMIT Version: 7.3.0109

Friday, February 14, 2014 01:20:00

# HALLIBURTON

iCem<sup>®</sup> Service

**CONOCO/PHILLIPS COMPANY EBUSINESS**

**For: Wes Evans**

Date: Friday, February 14, 2014

**Tebo 29-2H**

**7" Intermediate Casing**

Sincerely,

Vaughn Oteri, Justin Wheeler, and Crew

# HALLIBURTON

CONOCO/PHILLIPS COMPANY EBUSINESS  
 CONOCO PHILLIPS INTERM TEBO 29-ZH SO#90115098  
 Case 1

## 3.1 Job Event Log

Event	Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbf/min)	Comment
Event 1	Start Job		Start Job	Start Job	2/14/2014	08:34:13	COM6	1.00	13.49	0.00	
Event 2	Test Lines		Test Lines	Test Lines	2/14/2014	09:17:44	COM6	97.00	8.33	0.00	
Event 3	Pump Spacer 1		Pump Spacer 1	Pump Spacer 1	2/14/2014	09:23:10	COM6	23.00	8.30	0.00	
Event 4	Pump Lead Cement		Pump Lead Cement	Pump Lead Cement	2/14/2014	09:40:16	COM6	493.00	12.43	4.40	
Event 5	Pump Tail Cement		Pump Tail Cement	Pump Tail Cement	2/14/2014	10:02:53	COM6	39.00	12.29	2.10	
Event 6	Shutdown		Shutdown	Shutdown	2/14/2014	10:13:42	COM6	34.00	-0.35	0.00	
Event 7	Drop Top Plug		Drop Top Plug	Drop Top Plug	2/14/2014	10:17:30	COM6	72.00	0.31	0.00	
Event 8	Pump Displacement		Pump Displacement	Pump Displacement	2/14/2014	10:20:09	COM6	421.00	7.74	12.40	
Event 9	Bump Plug		Bump Plug	Bump Plug	2/14/2014	11:04:44	COM6	2969.00	8.41	0.00	
Event 10	Other		Other	Other	2/14/2014	11:08:25	COM6	3033.00	8.45	0.00	
Event 11	Pressure Up Well		Pressure Up Well	Pressure Up Well	2/14/2014	11:11:02	COM6	27.00	8.29	0.00	
Event 12	Other		Other	Other	2/14/2014	11:45:38	COM6	2048.00	8.51	0.00	
Event 13	End Job		End Job	End Job	2/14/2014	12:04:58	COM6	18.00	8.27	0.00	

# HALLIBURTON

CONOCO/PHILLIPS COMPANY EBUSINESS  
 CONOCO PHILLIPS INTERM TEBO 29-2H SO#901115098

Case 1

## 4.0 Attachments

4.1 CONOCO-PHILLIPS - TEBO 29-2h INTERMEDIATE.png

