

# HALLIBURTON

iCem® Service

## CONOCO/PHILLIPS COMPANY

**For: Richard Perez**

Date: Wednesday, August 09, 2017

Job Date: Wednesday, August 09, 2017

Sincerely,

**Brad Hinkle and Crew**

<b>Field Ticket Number:</b> 0904223199	<b>Field Ticket Date:</b> Wednesday, August 09, 2017	<b>Planning Order #:</b> NA
<b>Bill To:</b> CONOCO/PHILLIPS COMPANY-EBUS DONOTMAIL-600 N DAIRY ASHFORD HOUSTON TX 77079	<b>Job Name:</b> 2 Stage Surface <b>Order Type:</b> ZOH <b>Well Name:</b> STATE BIERSTADT 4-65 35-34 1DH <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>AFE:</b> <b>Shipping Point:</b> Fort Lupton, CO Shipping Point <b>Sales Office:</b> ROCKY MOUNTAINS BD <b>Well Type:</b> HORIZONTAL OIL <b>Well Category:</b> Development <b>Rig Name/#:</b> H & P 448	
<b>Ship To:</b> STATE BIERSTADT 4-65 35-34 1DH,ARAP STATE BIERSTADT 4-65 35-34 1DH AURORA CO 80015 USA		

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
392189	CMT MULTIPLE STAGES BOM 392189	1	JOB		0.00		0.00
2	MILEAGE FOR CEMENTING CREW Number of Units	80 3	MI	1.73 USD / 1.00 MI	415.20		415.20
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	80 2	MI	2.94 USD / 1.00 MI	470.40		470.40
16093	MSC PUMP CHARGE (1ST STAGE), ZI FEET/METERS (FT/M) DEPTH	1 FT 2279	EA	7,095.00 USD / 1.00 EA	7,095.00	\$ 4,966.50	2,128.50
16	MULTIPLE STAGE CEMENTING Number of Units	1 1	STG	5,055.00 USD / 1.00	5,055.00	\$ 3,538.50	1,516.50
483826	SBM, CMT, Tuned Spacer III	50	BBL	87.90 USD / 1.00 BBL	4,395.00		4,395.00
100003681	CHEM, BARITE, BULK Barite	32	SK	9.32 USD / 1.00 SK	298.24		298.24
452990	CMT, SwiftCem (TM) system	165	SK		3,271.95		3,271.95
100001615	CHEM, FE-2 FE-2	31	LB	11.92 USD / 1.00 LB	369.52	\$ 258.66	110.86
483826	SBM, CMT, Tuned Spacer III	50	BBL	87.90 USD / 1.00 BBL	4,395.00		4,395.00
100003681	CHEM, BARITE, BULK Barite	32	SK	9.32 USD / 1.00 SK	298.24		298.24
452990	CMT, SwiftCem (TM) system	605	SK		11,997.15		11,997.15
3965	HANDLE&DUMP SVC CHR, G, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	975 EA 1	CF	1.65 USD / 1.00 CF	1,608.75		1,608.75
76400	MILEAGE,CMT MTL S DEL/RET MIN NUMBER OF TONS	40 44.896	MI	1.01 USD / 1.00 MI	1,813.80		1,813.80
17	MSC ON SITE,ADD HR,ZI Number of Units	22 1	H	1,139.00 USD / 1.00 H	25,058.00		25,058.00
<b>Totals</b> USD					<b>\$ 66,541.25</b>	<b>\$ 8,763.66</b>	<b>\$ 57,777.59</b>

## Field Ticket Signature

Field Ticket Number: 0904223199

Field Ticket Date: Wednesday, August 09, 2017

Planning Order #: NA

**Bill To:**

CONOCO/PHILLIPS COMPANY-EBUS  
DONOTMAIL-600 N DAIRY ASHFORD  
HOUSTON TX 77079

**Ship To:**

STATE BIERSTADT 4-65 35-34 1DH,ARAP  
STATE BIERSTADT 4-65 35-34 1DH  
AURORA CO 80015  
USA

**Job Name:** 2 Stage Surface  
**Order Type:** ZOH  
**Well Name:** STATE BIERSTADT 4-65 35-34 1DH  
**Company Code:** 1100  
**Customer PO No.:** NA  
**AFE :**  
**Shipping Point:** Fort Lupton, CO Shipping Point  
**Sales Office:** ROCKY MOUNTAINS BD  
**Well Type:** HORIZONTAL OIL  
**Well Category:** Development  
**Rig Name/#:** H & P 448

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, ON ANY PRECEDING PAGES, AND ATTACHED DOCUMENTS.

Gross Amount Total: \$ 66,541.25  
Item Discount Total: \$ 8,763.66  
**Net Amount Total:** \$ 57,777.59 USD

Customer Representative Signature:

Richard Perez

Customer Representative

Date:

Bradley Hinkle

Halliburton Representative

Was our HSE performance satisfactory? (Health, Safety, Environment)

☐ Yes☐ No

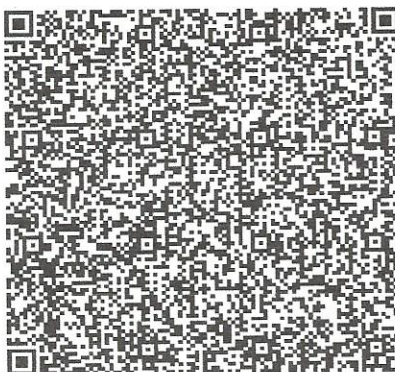
Were you satisfied with our equipment?

☐ Yes☐ No

Were you satisfied with our people?

☐ Yes☐ No

Comments:





# HALIBURTON

Customer: CONOCO/PHILLIPS COMPANY-EBUS  
Job: CONOCO/PHILLIPS COMPANY STATE BIERSTADT 4-64 35-34 1DH S-2  
Case: Case 1

## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	DS Pump Press (psi)	Comments
Event	1	Resume	Resume	8/9/2017	07:00:00	USER				Rig circulated on well to complete 8 hours after bump plug from first stage which was at 2300 on 8/8/2017.
Event	2	Pre-Job Safety Meeting	Pre-Job Safety Meeting	8/9/2017	07:30:00	USER	8.84	0.00	38.00	Pre-job safety meeting with all personnel on location.
Event	3	Start Job	Start Job	8/9/2017	08:15:38	COM4	8.75	0.00	39.00	
Event	4	Test Lines	Test Lines	8/9/2017	08:20:09	COM4	8.49	0.00	48.00	Pressure test lines with a 500 PSI electronic kick-out test.
Event	5	Pump Spacer 1	Pump Spacer 1	8/9/2017	08:30:55	COM4	8.45	0.00	41.00	Pump 50 bbls Tuned Spacer mixed at 10 ppg. Density verified by pressurized scales.
Event	6	Pump Cement	Pump Cement	8/9/2017	08:47:06	COM4	10.44	0.00	39.00	Pump 245 bbls (605 sacks) SwiftCem mixed at 12 ppg. Density verified by pressurized scales.
Event	7	Check Weight	Check Weight	8/9/2017	08:54:42	COM4	11.90	8.00	309.00	Cement weighed at 12 ppg.
Event	8	Check Weight	Check Weight	8/9/2017	09:07:23	COM4	12.05	8.00	333.00	Cement weighed at 11.95 ppg.
Event	9	Shutdown	Shutdown	8/9/2017	09:38:13	COM4	15.39	0.00	57.00	
Event	10	Clean Lines	Clean Lines	8/9/2017	09:42:15	USER	9.92	0.00	38.00	Wash pumps and lines until clean.
Event	11	Drop Top Plug	Drop Top Plug	8/9/2017	09:47:31	COM4	8.18	1.70	39.00	Top plug preloaded and witnessed by customer and

iCem Service

(v. 4.4.18)

Created: Wednesday, August 09, 2017

# HALIBURTON

Customer: CONOCO/PHILLIPS COMPANY-EBUS  
Job: CONOCO/PHILLIPS COMPANY STATE BIERSTADT 4-64 35-34 1DH S-2  
Case: Case 1

Weatherford tool hand.

Event 12	Pump Displacement	Pump Displacement	8/9/2017	09:47:39	COM4	8.04	2.00	57.00	Pump 137 bbls fresh water. Good returns throughout. 50 bbls Tuned Spacer and 40 bbls cement to surface.
----------	-------------------	-------------------	----------	----------	------	------	------	-------	---

Event 13	Bump Plug	Bump Plug	8/9/2017	10:06:53	COM4	8.36	0.00	825.00	Bump plug at 480 PSI and brought pressure to 980 PSI. Held for 5 minutes.
----------	-----------	-----------	----------	----------	------	------	------	--------	---

Event 14	Release Casing Pressure	Release Casing Pressure	8/9/2017	10:11:33	USER	8.40	0.00	363.00	Bleed off pressure to verify DV Tool had closed. 4 bbls came back and cement in cellar fell indicating no closure of DV Tool. Prepared to attempt to close DV Tool again.
----------	-------------------------	-------------------------	----------	----------	------	------	------	--------	---

Event 15	Pressure Up	Pressure Up	8/9/2017	10:12:53	USER	8.37	0.00	313.00	Pump back on top plug to set DV Tool. Kicked pressure out at 1300 PSI and held until pressure leveled off.
----------	-------------	-------------	----------	----------	------	------	------	--------	--

Event 16	Release Casing Pressure	Release Casing Pressure	8/9/2017	10:15:44	USER	8.43	0.00	1365.00	Release pressure to verify DV Tool closed. Half bbl back.
----------	-------------------------	-------------------------	----------	----------	------	------	------	---------	---

Event 17	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	8/9/2017	10:30:00	USER	8.44	0.00	40.00	Pre-rig-down safety meeting with HES and H&P personnel.
----------	-----------------------------	-----------------------------	----------	----------	------	------	------	-------	---

Event 18	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	8/9/2017	12:30:00	USER				Pre-journey safety meeting.
----------	--	--	----------	----------	------	--	--	--	-----------------------------

iCem Service

(v. 4.4.18)

Created: Wednesday, August 09, 2017

Customer: CONOCO/PHILLIPS COMPANY-EBUS  
Job: CONOCO/PHILLIPS COMPANY STATE BIERSTADT 4-64 35-34 1DH S-2  
Case: Case 1

Edin



The Road to Excellence Starts with Safety

Sold To #: 352431	Ship To #: 3814238	Quote #: 0022338139	Sales Order #: 0904223199
Customer: CONOCO/PHILLIPS COMPANY-EBUS		Customer Rep: Richard Perez	
Well Name: STATE BIERSTADT 4-65 35-34	Well #: 1DH	API/UWI #: 05-005-07295-00	
Field: WILDCAT	City (SAP): AURORA	County/Parish: ARAPAHOE	State: COLORADO
Legal Description: NE NE-35-4S-65W-1250FNL-650FEL			
Contractor: H & P DRLG		Rig/Platform Name/Num: H & P 448	
Job BOM: 392189 392189			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HB41307		Srv Supervisor: Bradley Hinkle	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	1773ft		Job Depth TVD
Water Depth			Wk Ht Above Floor
Perforation Depth (MD)	From		To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			12.25				0	1773		1773
Casing		9.625	8.921	36	LTC	J-55	0	1773		1773

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625					Top Plug	9.625	1	Weatherford
Float Shoe	9.625					Bottom Plug	9.625		HES
Float Collar	9.625					SSR plug set	9.625		HES
Insert Float	9.625					Plug Container	9.625	1	HES
Stage Tool	9.625	1	Weatherford	1773		Centralizers	9.625		HES

Fluid Data										
Stage/Plug #: 2										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Spacer	Tuned Spacer III	50	bbl	10	8.82				
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Lead Cement	SWIFTCCEM	605	sack	12	2.56		8	15.11	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Fresh Water	137	bbl	8.33			8	
Cement Left In Pipe		Amount	45 ft			Reason		Shoe Joint	
Mix Water:		pH 7	Mix Water Chloride:			0 ppm	Mix Water Temperature:		60 °F
Cement Temperature:## °F °C		Plug Displaced by:## lb/gal kg/m3 XXXX				Disp. Temperature:## °F °C			
Plug Bumped?		Yes	Bump Pressure:480 psi				Floats Held?		Yes
Cement Returns:		40 bbl	Returns Density:## lb/gal kg/m3				Returns Temperature:## °F °C		
Comment 50 bbls Tuned Spacer and 40 bbls Cement to surface.									