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# **CONOCO/PHILLIPS COMPANY EBUSINESS**

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**Tebo 4-1H  
WILD CAT  
Arapahoe County , Colorado**

**Plug Service - Whipstock  
16-Jan-2014**

**Job Site Documents**

### The Road to Excellence Starts with Safety

Sold To #: 352431	Ship To #: 3140960	Quote #:	Sales Order #: 901043448
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: Evans, Wes	
Well Name: Tebo	Well #: 4-1H	API/UWI #: 05-005-07210	
Field: WILD CAT	City (SAP): CENTENNIAL	County/Parish: Arapahoe	State: Colorado
Lat: N 39.64 deg. OR N 39 deg. 38 min. 24.922 secs.		Long: W 104.565 deg. OR W -105 deg. 26 min. 4.38 secs.	
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		Srv Supervisor: PORTER, MICHAEL	MBU ID Emp #: 491145

#### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DACOSTA, CHARLES Angelo	8.5	551308	PORTER, MICHAEL James	8.5	491145	SAUCEDA, JIMMY	8.5	477592
SCILEPPI, JOSEPH D	8.5	555492	SMITH, BRET George	8.5	529662	WHEELER, JUSTIN W	8.5	196470

#### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	50 mile	10951248	50 mile	11036295	50 mile	11501021	50 mile
11645063	50 mile	12113644	50 mile	12259412	50 mile		

#### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-15-14	6	6	1-16-14	2.5	2.5			
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
Form Type			BHST	On Location	15 - Jan - 2014	14:00	MST
Job depth MD	7742. ft		Job Depth TVD	Job Started	15 - Jan - 2014	18:00	MST
Water Depth			Wk Ht Above Floor	Job Completed	15 - Jan - 2014	23:00	MST
Perforation Depth (MD)	From	To		Job Completed	16 - Jan - 2014	00:00	MST
				Departed Loc	16 - Jan - 2014	02:00	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				2163.	9806.		
9-5/8" Casing	Mixed		9.625	8.921	36.	STC	J-55		2163.		
4" Drill Pipe	Unknown		4.	3.34	14.				7686.		
4" HWDP	Unknown		4.	2.	29.			6263.	7163.		
OH Whipstock Assembly	Unknown		6.625	2.				7136.	7149.		
2 7/8" Tubing	Unknown		4.	2.668				7126.	7686.		

#### 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 <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	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)	210.0	sacks	15.8	1.52	6.19		6.19
	6.19 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	65	Shut In: Instant		Lost Returns		Cement Slurry	57	Pad	
Top Of Cement	6890	5 Min		Cement Returns		Actual Displacement	58.5	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		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					

46

*The Road to Excellence Starts with Safety*

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Well Name: Tebo	Well #: 4-1H	API/UWI #: 05-005-07210	
Field: WILD CAT	City (SAP): CENTENNIAL	County/Parish: Arapahoe	State: Colorado
Legal Description:			
Lat: N 39.64 deg. OR N 39 deg. 38 min. 24.922 secs.		Long: W 104.565 deg. OR W -105 deg. 26 min. 4.38 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: PORTER, MICHAEL	
		MBU ID Emp #: 491145	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/15/2014 14:00							CALL OUT HES CREW, REQUESTED ON LOCATION ASAP
Pre-Convoy Safety Meeting	01/15/2014 16:30							PRE CONVOY SAFETY MEETING TO DICUSS DIRECTIONS TO LOCATION AND HAZARDS OF DRIVING
Depart from Service Center or Other Site	01/15/2014 16:45							HES CREW DEPARTS FOR LOCATION
Arrive At Loc	01/15/2014 18:00							ARRIVE AT LOCATION, WIRELINE COMING OUT OF THE HOLE
Other	01/15/2014 18:15							SAFETY TRAINING WITH CONOCO PHILLIPS SAFETY REP
Assessment Of Location Safety Meeting	01/15/2014 19:15							SITE ASSESSMENT SAFETY HUDDLE TO DISCUSS WHERE TO SPOT EQUIPMENT AND HAZARDS ON LOCATION
Pre-Rig Up Safety Meeting	01/15/2014 19:30							PRE RIG UP SAFETY MEETING TO DISCUSS HAZARDS OF RIGGING UP EQUIPMENT
Rig-Up Equipment	01/15/2014 19:45							RIG UP EQUIPMENT
Rig-Up Completed	01/15/2014 21:30							FINSIH RIG UP EQUIPMENT
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	



Pre-Job Safety Meeting	01/15/2014 21:45							PRE JOB SAFETY MEETING WITH ALL ON LOCATION TO DISCUSS JOB PROCEDURE, PRESSURE TESTING PROCEDURE AND HAZARDS DURING THE JOB
Other	01/15/2014 22:30							RIG UP LINES TO DRILL PIPE, BEGIN MIXING UP CLEAN SPACER
Other	01/15/2014 22:56							FILL LINES TO PRESSURE TEST HES IRON
Pressure Test	01/15/2014 23:08							PRESSURE TEST HES IRON TO 4026 PSI
Pump Spacer	01/15/2014 23:13		4	35	35		560.0	PUMP CLEAN SPACER 10.5 PPG
Pump Cement	01/15/2014 23:20		4	60	95		450.0	PUMP CEMENT 210 SACKS, 15.8 PPG, 1.52 YIELD, 6.19 WATER
Slow Rate	01/15/2014 23:36		1					SLOW RATE TO SWAP HOSES TO MUD LINE
Pump Spacer	01/15/2014 23:39		1	5	100		43.0	PUMP CLEAN SPACER 10.5 PPG
Pump Displacement	01/15/2014 23:42		4	50	150		26.0	PUMP MUD DISPLACEMENT
Slow Rate	01/15/2014 23:56		2	8	158		30.0	SLOW RATE TO FINISH DISPLACEMENT
Shutdown	01/16/2014 00:00							SHUTDOWN WHEN PRESSURE BEGAN TO INCREASE
Other	01/16/2014 00:05							BREAK OFF HES IRON SO RIG CAN PULL 10 STANDS
Pre-Rig Down Safety Meeting	01/16/2014 00:45							PRE RIG DOWN SAFETY MEETING TO DISCUSS HAZARDS OF RIGGING DOWN EQUIPMENT
Rig-Down Equipment	01/16/2014 01:00							RIG DOWN EQUIPMENT
Rig-Down Completed	01/16/2014 02:00							FINISH RIGGING DOWN EQUIPMENT
Pre-Convoy Safety Meeting	01/16/2014 02:15							PRE CONVOY SAFETY MEETING TO DISCUSS DIRECTIONS AND HAZARDS OF DRIVING
Depart Location for Service Center or Other Site	01/16/2014 02:30							CREW DEPARTS LOCATION

Sold To # : 352431

Ship To # :3140960

Quote # :

Sales Order # : 901043448

SUMMIT Version: 7.3.0109

Thursday, January 16, 2014 02:03:00

## Field Ticket

Field Ticket Number: 901043448

Field Ticket Date: Thursday, January 16, 2014

## Bill To:

CONOCO/PHILLIPS COMPANY EBUSINESS  
DO NOT MAIL- 600 N DAIRY ASHFORD  
HOUSTON, TX 77079

## Ship To:

TEBO 4 1H,ARAPAHOE  
TEBO 4 1H  
3140960  
SEC. 4-T5S-R64W  
CENTENNIAL, CO 80015

Job Name: TEBO  
Order Type: Streamline Order (ZOH)  
Well Name: Tebo 4-1H  
Company Code: 1100  
Customer PO No.: NA  
Shipping Point: Fort Lupton, CO, USA  
Sales Office: Rocky Mountains BD  
Well Type: Vertical Oil  
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	86	MI	0.00	5.76	495.36	67%	163.47
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	86	MI	0.00	9.79	1,683.88	67%	555.68
	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	7742						
	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						
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
452969	PLUGCEM (TM) SYSTEM	210	SK			15,567.36	66.06%	5,284.31
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	43	MI	0.00	3.35	2,356.66	67%	777.70
	NUMBER OF TONS	16.36						
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	406	CF	0.00	5.49	2,228.94	67%	735.55

Field Ticket Number: 901043448

Field Ticket Date: Thursday, January 16, 2014

1 of 3

## Field Ticket

<b>Field Ticket Number:</b> 901043448		<b>Field Ticket Date:</b> Thursday, January 16, 2014	
<b>Bill To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS DO NOT MAIL- 600 N DAIRY ASHFORD HOUSTON, TX 77079		<b>Job Name:</b> TEBO <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Tebo 4-1H <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> Vertical Oil <b>Well Category:</b> Development	
<b>Ship To:</b> TEBO 4 1H,ARAPAHOE TEBO 4 1H 3140960 SEC. 4-T5S-R64W CENTENNIAL, CO 80015			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
	NUMBER OF EACH	1						
	Unit of Measurement		EA					
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	86	MI	0.00	0.24	20.64		20.64
	Number of Units	1						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	86	MI	0.00	0.72	123.84		123.84
	Number of Units	2						
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	43	MI	0.00	0.24	168.84		168.84
	NUMBER OF TONS	16.36						
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
144	ZI-100 BBL BLENDER STANBY TIME	2	H	0.00	216.00	432.00	67%	142.56
	NUMBER OF UNITS	1						
143	ZI-100 BBL BLENDER (4 HR)	1	EA	0.00	3,898.00	3,898.00	67%	1,286.34
	HOURS OR FRACTION (MIN4)	4						
101007444	D-AIR 3000L	5	GAL	0.00	140.55	702.75	67%	231.91
				<b>Totals</b>	<b>USD</b>	<b>61,982.27</b>	<b>40,379.84</b>	<b>21,602.43</b>

Halliburton Rep:  
 Customer Agent:  
 Halliburton Approval

MICHAEL PORTER  
 Wes Evans



## Field Ticket

<b>Field Ticket Number:</b>	901043448	<b>Field Ticket Date:</b>	Thursday, January 16, 2014
<b>Bill To:</b> CONOCO/PHILLIPS COMPANY EBUSINESS DO NOT MAIL- 600 N DAIRY ASHFORD HOUSTON, TX 77079		<b>Job Name:</b> TEBO <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Tebo 4-1H <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> Vertical Oil <b>Well Category:</b> Development	
<b>Ship To:</b> TEBO 4 1H, ARAPAHOE TEBO 4 1H 3140960 SEC. 4-T5S-R64W CENTENNIAL, CO 80015			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
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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

21,602.43

Customer Signature

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

Were you satisfied with our Equipment? Y or N

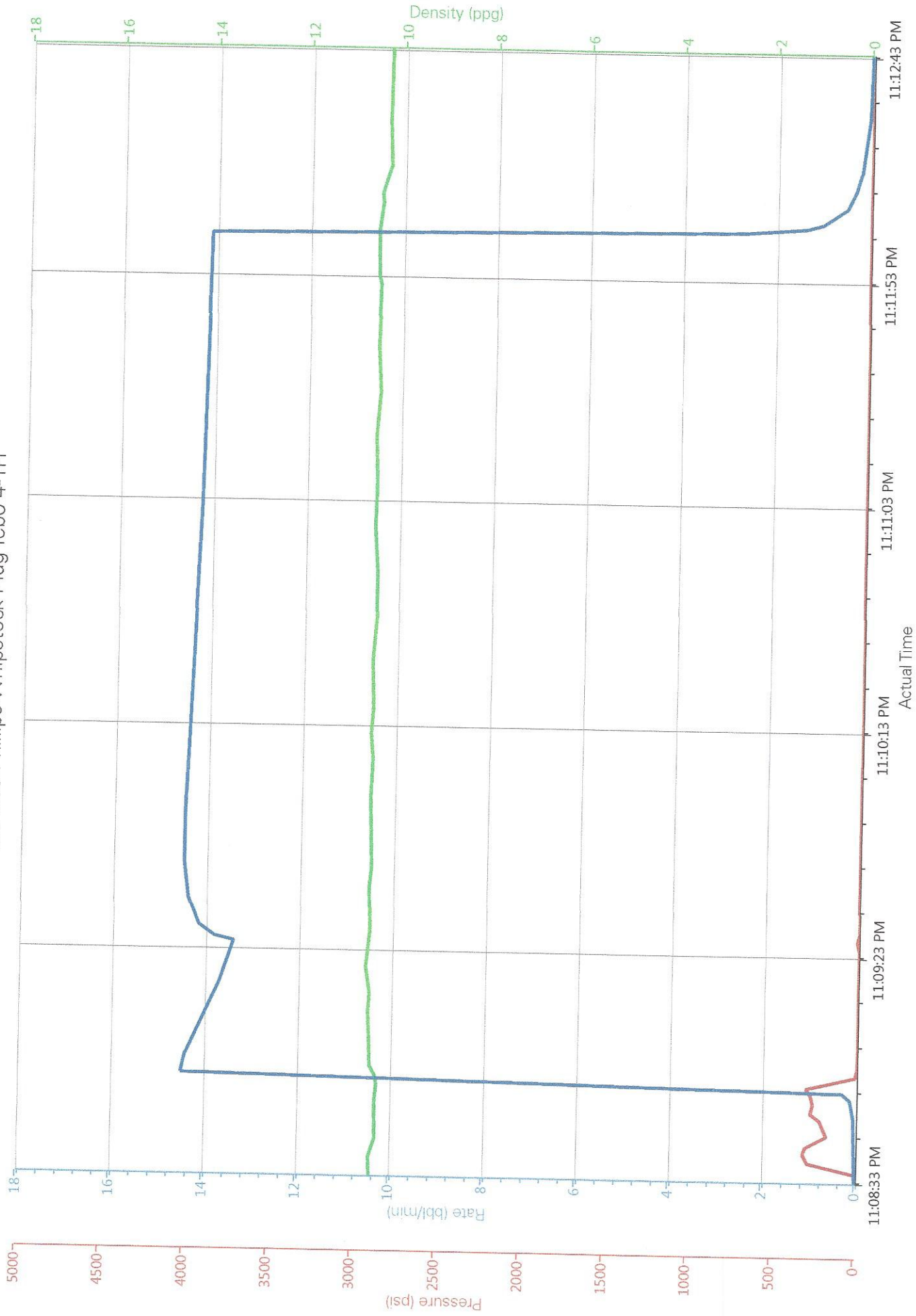
Were you satisfied with our people? Y or N

Comments

Customer Information Only
COP plant code
COP approver/user ID
Network#
Activity code
OLA Number

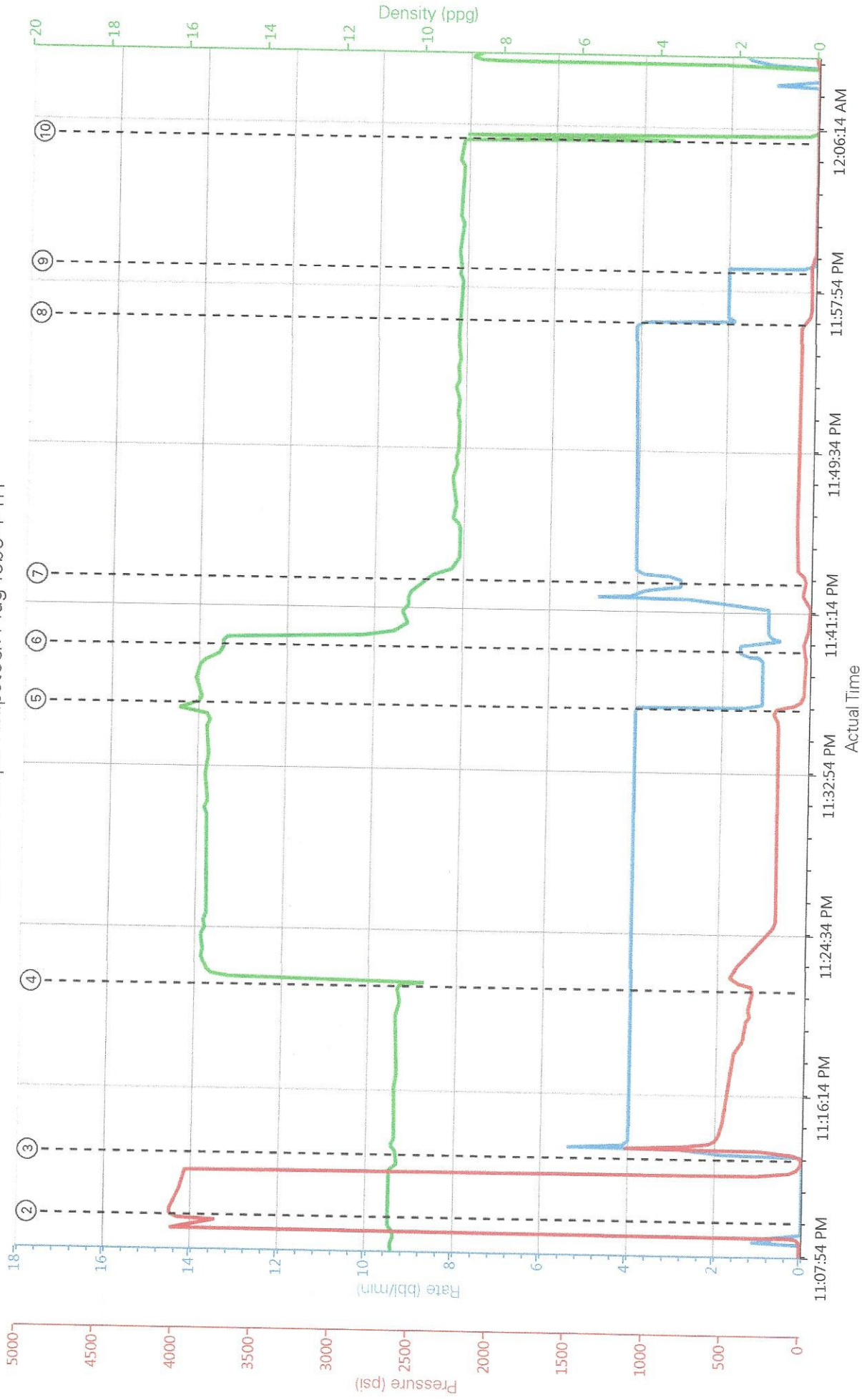


# Conoco Phillips Whipstock Plug Tebo 4-1H



Comb Pump Rate (bbl/min) 0 DH Density (ppg) -0.15 PS Pump Press (psi) -6

# Conoco Phillips Whipstock Plug Tebo 4-1H



Comb Pump Rate (bbl/min) DH Density (ppg) PS Pump Press (psi)

- ① Pump Spacer 1 0.8,53,2
- ② Pressure Test 0.10,5,4030
- ③ Pump Spacer 2 0.10,36,6
- ④ Pump Cement 4,9,65,330
- ⑤ Slow Rate 1.1,15,46,125
- ⑥ Pump Spacer 1 1.6,14,93,43
- ⑦ Pump Displacement 3,9,65,36
- ⑧ Slow Rate 2,9,07,52
- ⑨ Shutdown 2,9,01,44
- ⑩ Other 0.8,95,-1
- ⑪ End Job 0,0,2,-6