

---

**OXY GRAND JUNCTION EBUSINESS**

---

**CC 697-09-10B  
GRAND VALLEY  
Garfield County , Colorado**

**Cement Surface Casing  
10-Mar-2011**

**Job Site Documents**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 344034	<b>Ship To #:</b> 2841714	<b>Quote #:</b>	<b>Sales Order #:</b> 7842135
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> Coombs, Henry	
<b>Well Name:</b> CC		<b>Well #:</b> 697-09-10B	<b>API/UWI #:</b>
<b>Field:</b> GRAND VALLEY	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.542 deg. OR N 39 deg. 32 min. 31.117 secs.		<b>Long:</b> W 108.237 deg. OR W -109 deg. 45 min. 46.328 secs.	
<b>Contractor:</b> OXY		<b>Rig/Platform Name/Num:</b> H&P 353	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> DUNNING, DUSTIN		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BATH, KYLE Thomas		477632	CARTER, ERIC Earl		345598	LEIST, JAMES R		362787
SILVERTHORN, AARON Jacob		491305	SMITH, CHRISTOPHER Scott		452619			

**Equipment**

HES Unit #	Distance-1 way						
10722398	120 mile	10951251	120 mile	11139330	120 mile	11560046	120 mile
11562538	120 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				Date	Time	Time Zone
<b>Formation Depth (MD)</b>	<b>Top</b>	<b>Bottom</b>		<b>Called Out</b>	09 - Mar - 2011	16:00 MST
<b>Form Type</b>		<b>BHST</b>		<b>On Location</b>	09 - Mar - 2011	23:55 MST
<b>Job depth MD</b>	2730. ft	<b>Job Depth TVD</b>	2730. ft	<b>Job Started</b>	10 - Mar - 2011	06:40 MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	4. ft	<b>Job Completed</b>	10 - Mar - 2011	00:02 MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>		<b>Departed Loc</b>	11 - Mar - 2011	01:15 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
OPEN HOLE				14.75				.	2720.		
SURFACE CASING	Unknown		9.625	8.921	36.		J-55	.	2698.		

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		

**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 %
<b>Treatment Fld</b>	<b>Conc</b>	<b>Inhibitor</b>	<b>Conc</b>	<b>Sand Type</b>	<b>Size</b>	<b>Qty</b>

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	Water Spacer		20.00	bbl	8.33	.0	.0	.0		
2	Gel Spacer		20.00	bbl	.	.0	.0	.0		
3	Water Spacer		20.00	bbl	.	.0	.0	.0		
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1032.0	sacks	12.3	2.33	12.62		12.62	
	12.62 Gal	FRESH WATER								
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	179.0	sacks	12.8	2.07	10.67		10.67	
	10.67 Gal	FRESH WATER								
6	Displacement		205.00	bbl	.	.0	.0	.0		
7	Topout Cement	HALCEM (TM) SYSTEM (452986)		sacks	12.5	1.97	10.96		10.96	
	10.96 Gal	FRESH WATER								
Calculated Values			Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		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	46 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*

<b>Sold To #:</b> 344034	<b>Ship To #:</b> 2841714	<b>Quote #:</b>	<b>Sales Order #:</b> 7842135
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> Coombs, Henry	
<b>Well Name:</b> CC		<b>Well #:</b> 697-09-10B	<b>API/UWI #:</b>
<b>Field:</b> GRAND VALLEY	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.542 deg. OR N 39 deg. 32 min. 31.117 secs.		<b>Long:</b> W 108.237 deg. OR W -109 deg. 45 min. 46.328 secs.	
<b>Contractor:</b> OXY		<b>Rig/Platform Name/Num:</b> H&P 353	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> DUNNING, DUSTIN		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

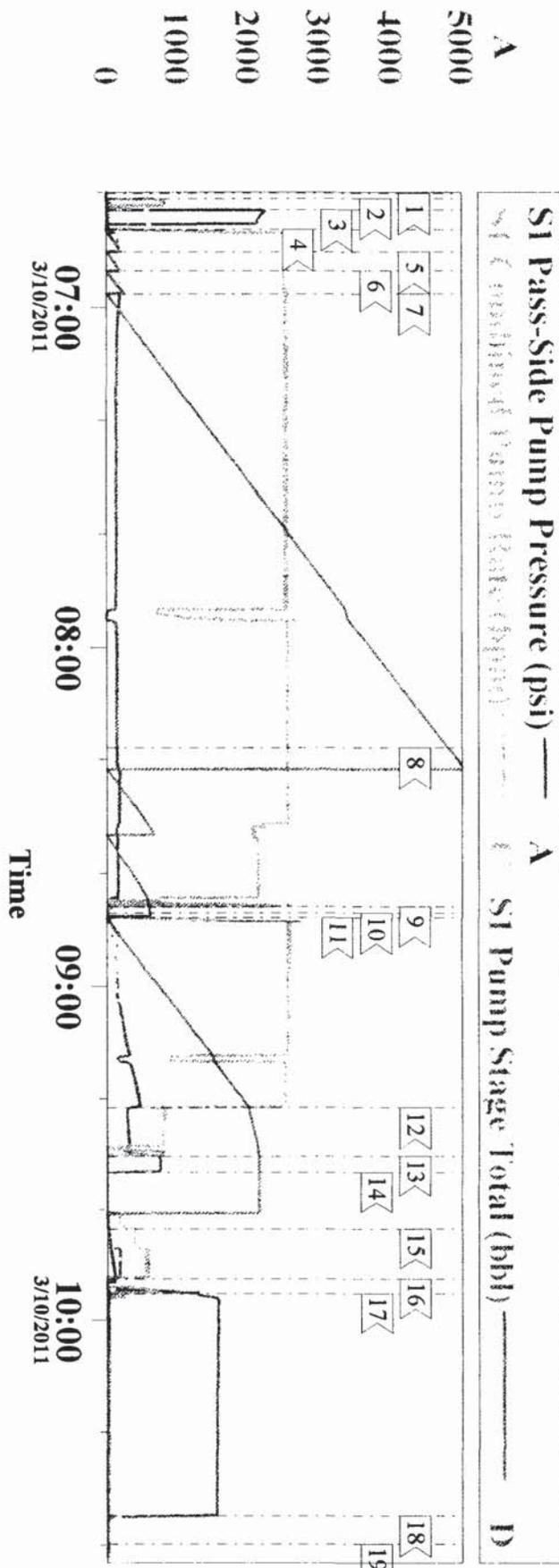
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	03/09/2011 18:25							ALL HES PERSONEL
Crew Leave Yard	03/09/2011 18:30							
Arrive At Loc	03/09/2011 23:55							RIG RUNNING CASING
Assessment Of Location Safety Meeting	03/10/2011 00:15							ALL HES PERSONEL
Other	03/10/2011 01:24							SPOT EQUIPMENT
Rig-Up Equipment	03/10/2011 05:40							
Rig-Up Completed	03/10/2011 06:20							
Pre-Job Safety Meeting	03/10/2011 06:21							ALL HES PERSONEL AND RIG CREW
Start Job	03/10/2011 06:40							TD 2720', TP 2698', SJ 46', HOLE 14.75", CSG 9.625" 36# J-55, MUD 9#, PV 16, YP 12, TEMP 78.
Other	03/10/2011 06:41		2	2			47.0	FILL LINES
Pressure Test	03/10/2011 06:41							ALL LINES HELD PRESSURE
Pump Spacer 1	03/10/2011 06:46		6	20			47.0	FRESH WATER
Pump Spacer 2	03/10/2011 06:50		6	20			165.0	GEL WATER
Pump Spacer 1	03/10/2011 06:53		6	20			145.0	FRESH WATER
Pump Lead Cement	03/10/2011 06:57		6	428.3			145.0	1032 SKS, 12.3 PPG, 2.33 FT3/SK, 12.62 GAL/SK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	03/10/2011 08:17		6	65.9			150.0	179 SKS, 12.8 PPG, 2.07 FT3/SK, 10.67 GAL/SK
Shutdown	03/10/2011 08:45							
Drop Top Plug	03/10/2011 08:46							PLUG WENT
Pump Displacement	03/10/2011 08:47		6	194.9			455.0	FRESH WATER
Slow Rate	03/10/2011 09:21		2	10			300.0	
Bump Plug	03/10/2011 09:30						750.0	PLUG BUMPED
Check Floats	03/10/2011 09:33							FLOATS HELD
Other	03/10/2011 09:43		1.5	12			175.0	PUMP THROUGH PARASITE
Shutdown	03/10/2011 09:52							
Other	03/10/2011 09:55		0.5	0.5			1500.0	CASING PRESSURE TEST HELD FOR 30 MIN.
Release Casing Pressure	03/10/2011 10:34							
Start Job	03/10/2011 12:57							TOP OUT #1
Pump Spacer	03/10/2011 12:57		2.5	5			75.0	FRESH WATER
Pump Cement	03/10/2011 13:00		3	26.3			120.0	75 SKS/ 12.5 PPG/ 1.97 FT3/SK/10.96 GAL/SK
Clean Lines	03/10/2011 13:15		3	3			120.0	FRESH WATER
Shutdown	03/10/2011 13:52							NO CEMENT TO SURFACE
Start Job	03/10/2011 15:13							TOP OUT #2
Pump Spacer	03/10/2011 15:13		2.5	5			28.0	FRESH WATER
Pump Cement	03/10/2011 15:16		3	26.3			62.0	75 SKS/ 12.5 PPG/ 1.97 FT3/SK/ 10.96 GAL/SK
Clean Lines	03/10/2011 15:32		3	3			50.0	FRESH WATER
Shutdown	03/10/2011 15:33							NO CEMENT TO SURFACE
Start Job	03/10/2011 17:30							TOP OUT #3
Pump Spacer	03/10/2011 17:30		2.5	5			20.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	03/10/2011 17:34		2.5	35.1			75.0	100 SKS/ 12.5 PPG/ 1.97 FT3/SK/ 10.96 GAL/SK
Clean Lines	03/10/2011 17:54		2.5	2			68.0	FRESH WATER
Shutdown	03/10/2011 17:56							NO CEMENT TO SURFACE
Start Job	03/10/2011 23:51							TOP OUT #4
Pump Spacer	03/10/2011 23:52		2	2			55.0	FRESH WATER
Pump Cement	03/10/2011 23:53		2	3.5			97.0	10 SKS/ 12.5 PPG/ 1.97 FT3/SK/10.96GAL/SK
Shutdown	03/10/2011 23:54							CEMENT TO SURFACE
Clean Lines	03/11/2011 00:01		2	2			5.0	FRESH WATER
End Job	03/11/2011 00:02							
Post-Job Safety Meeting (Pre Rig-Down)	03/11/2011 00:05							ALL HES PERSONEL
Rig-Down Completed	03/11/2011 01:00							
Depart Location Safety Meeting	03/11/2011 01:05							ALL HES PERSONEL
Crew Leave Location	03/11/2011 01:15							
Other	03/11/2011 01:15							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

# OXY

## 9.625" SURFACE/ CC 697-09-10B

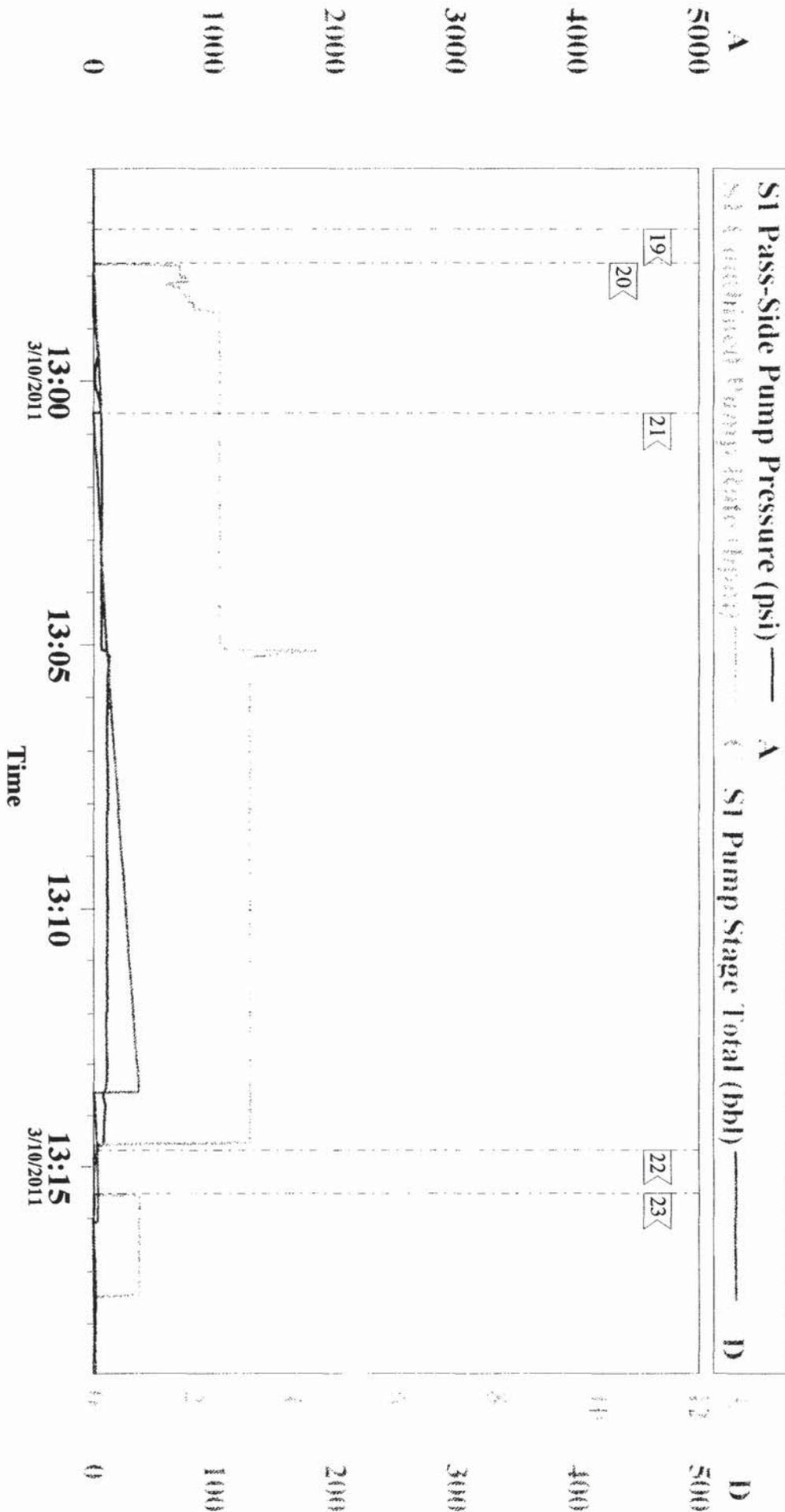


Maximum		Local Event Log		Maximum			
	SPPP		SPPP		SPPP		
1	START JOB	06:40:09	2.000	2	FILL LINES	06:41:01	47.18
3	TEST LINES	06:42:59	2230	4	PUMP H2O SPACER	06:46:27	141.9
5	PUMP GELLED SPACER	06:50:23	156.0	6	PUMP H2O SPACER	06:53:34	176.0
7	PUMP LEAD CEMENT	06:57:42	185.0	8	PUMP TAIL CEMENT	08:17:59	188.0
9	SHUTDOWN	08:45:48	147.0	10	DROP PLUG	08:46:59	3.967
11	PUMP DISPLACEMENT	08:47:45	471.0	12	SLOW RATE	09:21:32	730.3
13	BUMP PLUG	09:30:11	749.0	14	CHECK FLOATS	09:33:13	134.0
15	PUMP THROUGH PARACITE	09:43:24	179.0	16	SHUT DOWN	09:52:28	1282
17	CASING PRESSURE TEST	09:55:06	156.4	18	RELEASE PRESSURE	10:34:56	1318
19		10:39:47	-7.000				

Customer:	OXY GRAND JUNCTION EBUSINESS	Job Date:	10-Mar-2011	Sales Order #:	7842135
Well Description:	CC 697-09-10B	Job type:	AFEY0R0P4W1WTZMBAAA	ADC Used:	YES
Customer Rep:	ALEX VILLEGAS	Service Supervisor:	C. SMITH	Operator/ Pump:	K. BATTLE/ES

# OXY

## TOP OUT/ CC 697-09-10B



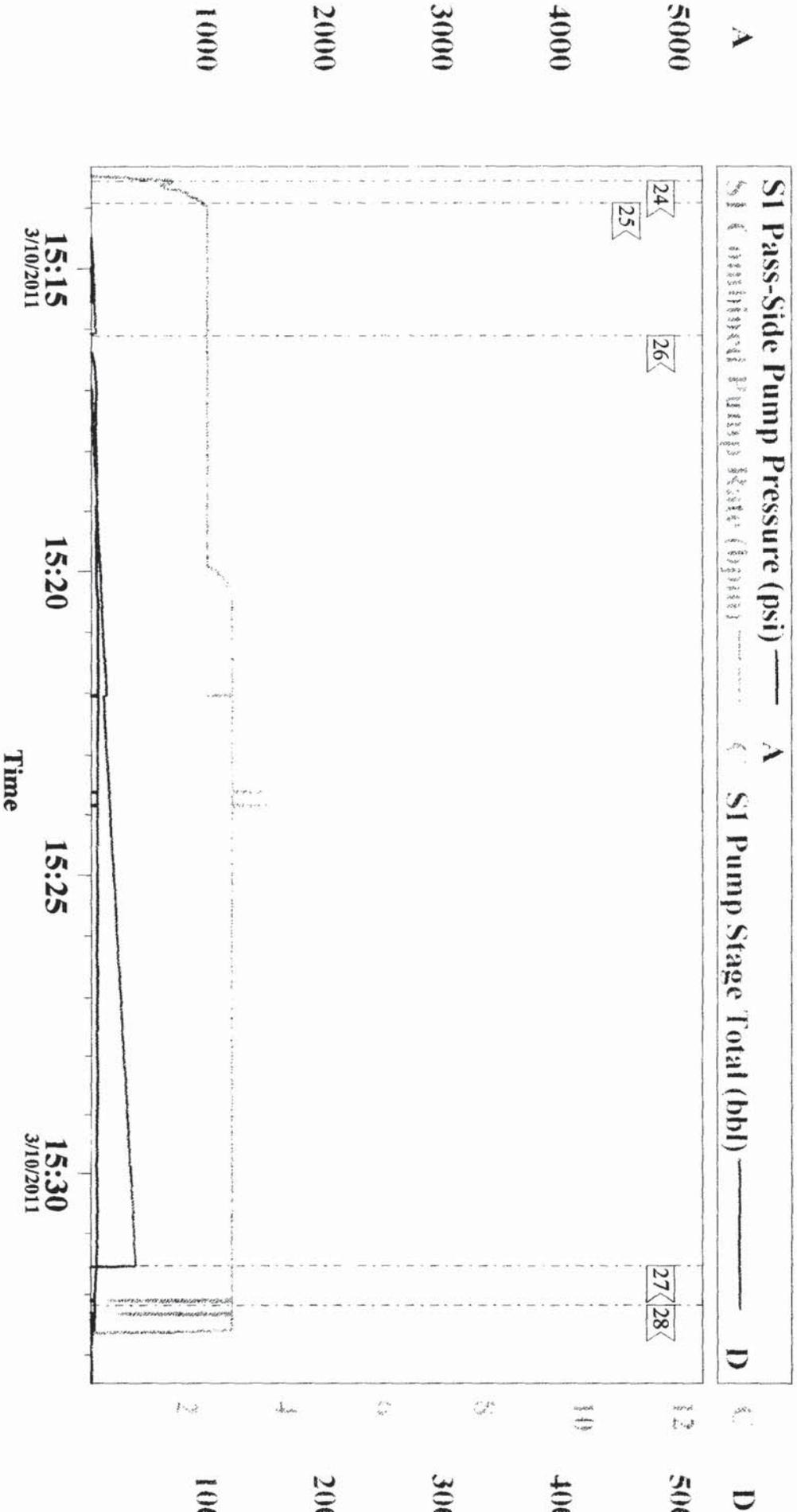
### Local Event Log

Maximum	SPPP	Maximum	SPPP	Maximum	SPPP
19	START JOB	20	PUMP H2O SPACER	21	PUMP CEMENT
22	SHUTDOWN	23	CLEAN LINES		

Customer: OXY GRAND JUNCTION EBUSINESS  
 Well Description: CC 697-09-10B  
 Customer Rep: ALEX VILLEGAS  
 Job Date: 10-Mar-2011  
 Job type: AFEYOR0P4WJWWTZMBAAA  
 Service Supervisor: C. SMITH  
 Sales Order #: 7842135  
 ADC Used: YES  
 Operator/ Pump: K. BATH/ES

# OXY

## TOP OUT 2/CC 697-09-10B



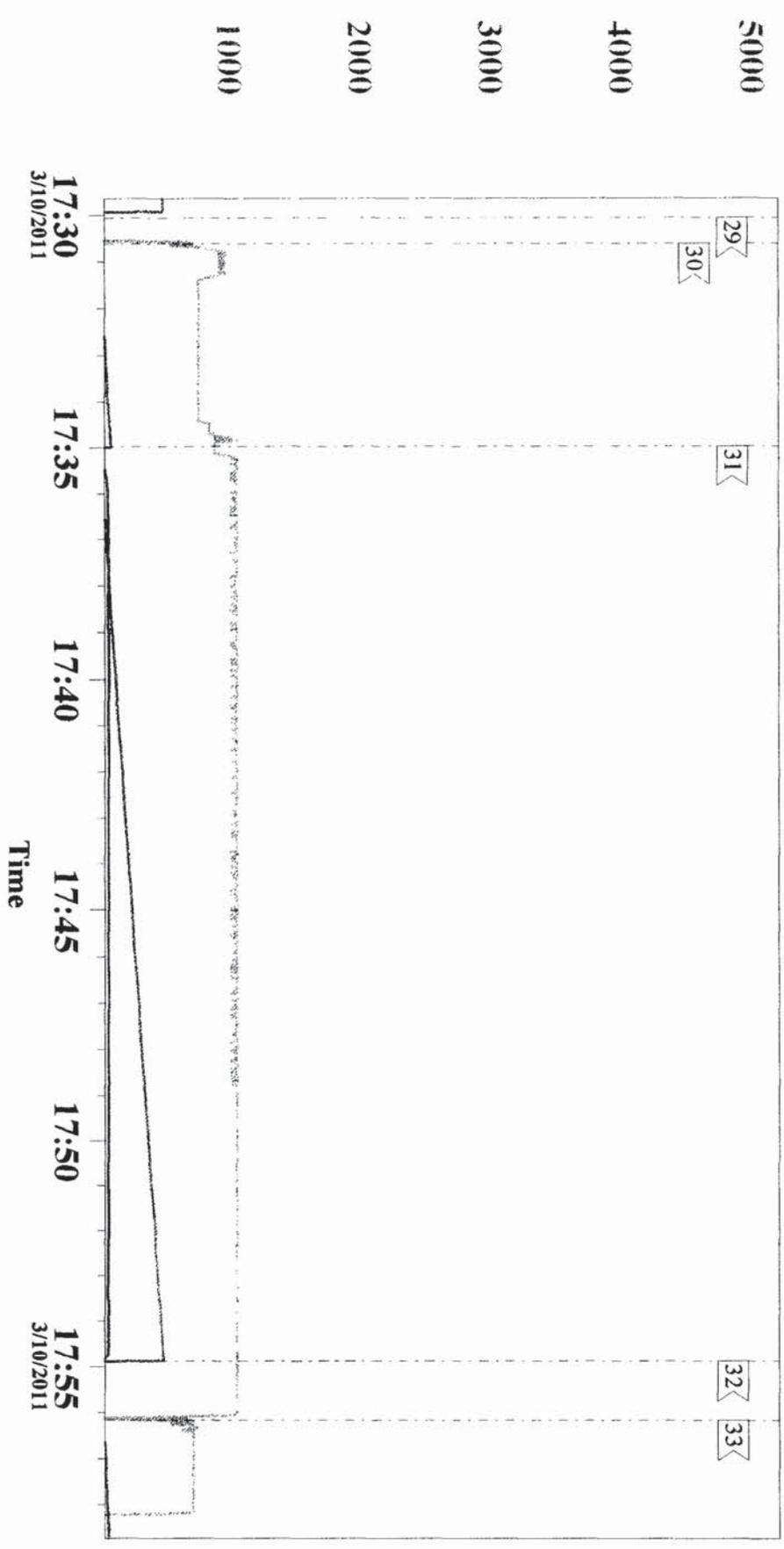
Local Event Log			
Maximum	SPPP	Maximum	SPPP
24 START JOB	15:13:34	25 PUMP H20 SPACER	15:13:55
27 SHUTDOWN	15:31:32	28 CLEAN LINES	15:32:11
	71.131		26.000
	72.000		261.0
Maximum	SPPP	Maximum	SPPP
26 PUMP CEMENT	15:16:07		
	81.000		

Customer:	OXY GRAND JUNCTION EBUSINESS	Job Date:	10-Mar-2011	Sales Order #:	7842135
Well Description:	CC 697-09-10B	Job type:	AFEYOR0P4W1WTZMBAAA	ADC Used:	YES
Customer Rep:	ALEX VILLEGAS	Service Supervisor:	C. SMITH	Operator/ Pump:	K. BATH/ES

# OXY

## TOP OUT 3/CC 697-09-10B

A S1 Pass-Side Pump Pressure (psi) — A S1 Pump Stage Total (bbl) — D



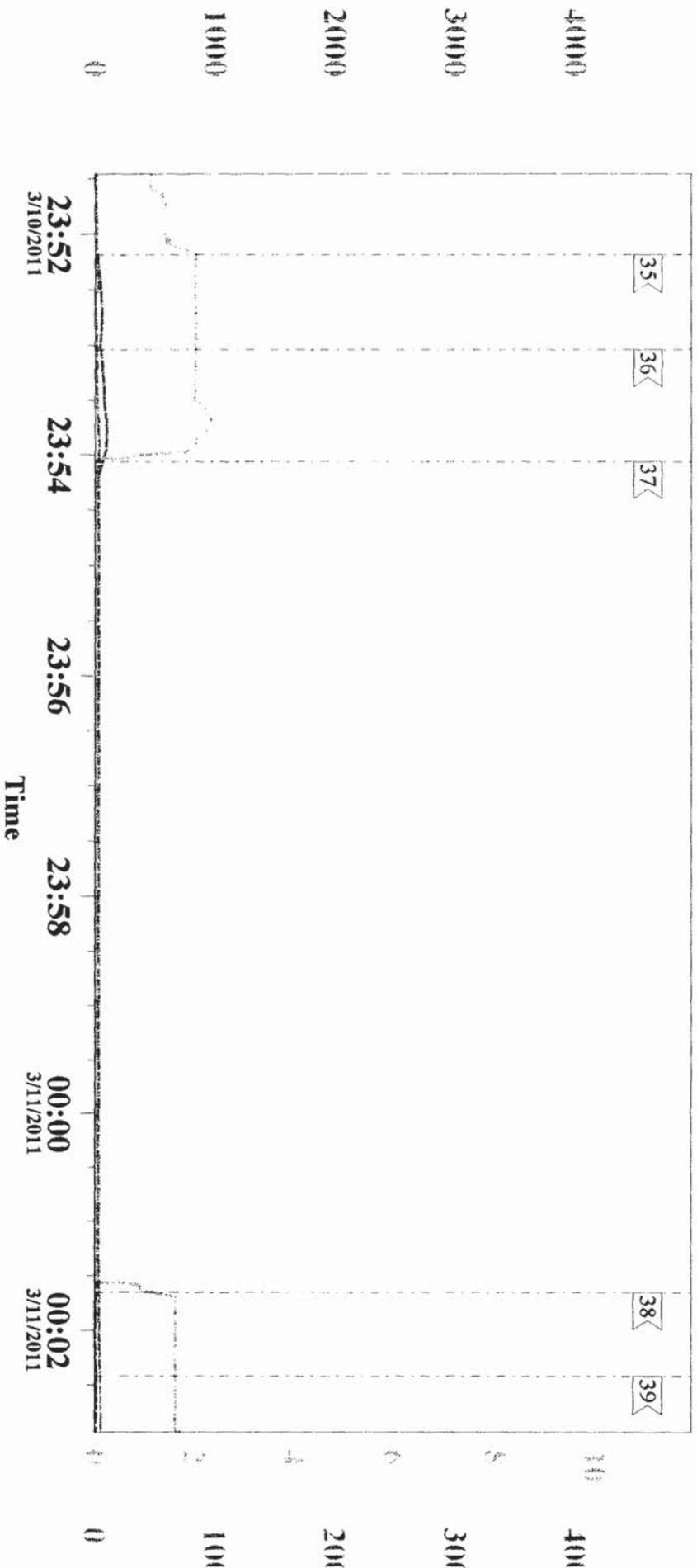
### Local Event Log

Maximum	SPPP	Maximum	SPPP	Maximum	SPPP
29 START JOB	17:30:03	30 PUMP H2O SPACER	17:30:37	31 PUMP CEMENT	17:34:58
32 SHUTDOWN	17:54:53	33 CLEAN LINES	17:56:10		

Customer:	OXY GRAND JUNCTION EBUSINESS	Job Date:	10-Mar-2011	Sales Order #:	7842135
Well Description:	CC 697-09-10B	Job type:	AFEYOR0P4WJWZMBAAA	ADC Used:	YES
Customer Rep:	ALEX VILLEGAS	Service Supervisor:	C. SMITH	Operator/ Pump:	K. BAITH/ES

# OXY TOP OUT 4/CC 697-09-10B

S1 Pass-Side Pump Pressure (psi) ----- A  
 S1 Pump Stage Total (bbl) ----- D



Local Event Log	
Maximum	Maximum
35 < PUMP H2O SPACER 3/10/2011 23:52:11 58.000	36 < PUMP CEMENT 3/10/2011 23:53:02 93.000
37 < SHUTDOWN 3/10/2011 23:54:04 60.000	38 < CLEAN LINES 3/11/2011 00:01:39 5.000
39 < END JOB 3/11/2011 00:02:25 78.000	

Customer: OXY GRAND JUNCTION EBUSINESS	Job Date: 10-Mar-2011
Well Description: CC 697-09-10B	Job type: AFEY0R0P4WJW7ZMBAAA
Customer Rep: ALEX VILLEGAS	Service Supervisor: C. SMITH
	Sales Order #: 7842135
	ADC Used: YES
	Operator/ Pump: K. BATH/ES

<b>Sales Order #:</b> 7842135	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/11/2011
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> ALEX VILLIAS		<b>API / UWI: (leave blank if unknown)</b> AFEY0R0P4WJWZMBAAA
<b>Well Name:</b> CC		<b>Well Number:</b> 697-09-10B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

### CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	3/11/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	ALEX VILLIAS
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

<b>CUSTOMER SIGNATURE</b>
---------------------------

<b>Sales Order #:</b> 7842135	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/11/2011
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> ALEX VILLIAS		<b>API / UWI: (leave blank if unknown)</b> AFEY0R0P4WJWTZMBAAA
<b>Well Name:</b> CC		<b>Well Number:</b> 697-09-10B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	3/11/2011
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	9
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	7.5
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	0
Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	7
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 7842135	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/11/2011
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> ALEX VILLIAS		<b>API / UWI: (leave blank if unknown)</b> AFEY0R0P4WJWZMBAAA
<b>Well Name:</b> CC		<b>Well Number:</b> 697-09-10B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	97
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0