

The Road to Excellence Starts with Safety

Sold To #: 302051	Ship To #: 2409596	Quote #:	Sales Order #: 3590933
Customer: ELK OIL COMPANY		Customer Rep: RAY, ROCKY	
Well Name: Z-28 ST UNIT	Well #: #2	API/UWI #: AFEYKF4HOJI0IRY4AAA	
Field:	County/Parish: Chaves	State: New Mexico	
Legal Description:			
Lat: North 0.000 deg. OR North 0 deg. 0 min. 0 secs.		Long: East 0.000 deg. OR East 0 deg. 0 min. 0 secs.	
Contractor: Patterson/UTI Drilling	Rig/Platform Name/Num: Patterson/UTI495		
Job Purpose: Cement Production Casing			Ticket Amount: \$ 23,831.09
Well Type: Development Well	Job Type: Cementing		
Sales Person: THORNTON, PAUL W.	Srvc Supervisor: KUHN, MICHAEL L	MBU ID Emp #: 240783	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/12/2005 00:30							
Other	03/12/2005 00:35							Routed pump to location. Cementer routed to yard to get job packet.
Depart from Service Center or Other Site	03/12/2005 03:00							
Assessment Of Location Safety Meeting	03/12/2005 04:05							
Rig-Up Equipment	03/12/2005 04:15							Held safety huddle
Rig-Up Completed	03/12/2005 05:15							
Other	03/12/2005 05:15							Wait on materials and equipment to arrive
Other	03/12/2005 08:00							Bin, cement & superflush arrive
Pre-Job Safety Meeting	03/12/2005 10:20							
Start Job	03/12/2005 10:50		1	3			70	
Test Lines	03/12/2005 11:01		0.5	0.5		3500		
Pump Spacer 1	03/12/2005 11:05		5	10			327	Fresh water
Pump Spacer 2	03/12/2005 11:07		5	12			378	Superflush-102
Pump Spacer 1	03/12/2005 11:10		5	35			372	Fresh water
Pump Lead Cement	03/12/2005 11:15		7.5	175			500	400 sx Interfill-C @ 11.5, 2.77, 15.98,
Pump Tail Cement	03/12/2005 11:49		5	103			69	350 sx Permian Basin Super-H, .5% Lap-1, .4% CFR-3, 3# Salt, 1/4# D-Air @ 13.2, 1.66, 7.97

Cementing Job Log

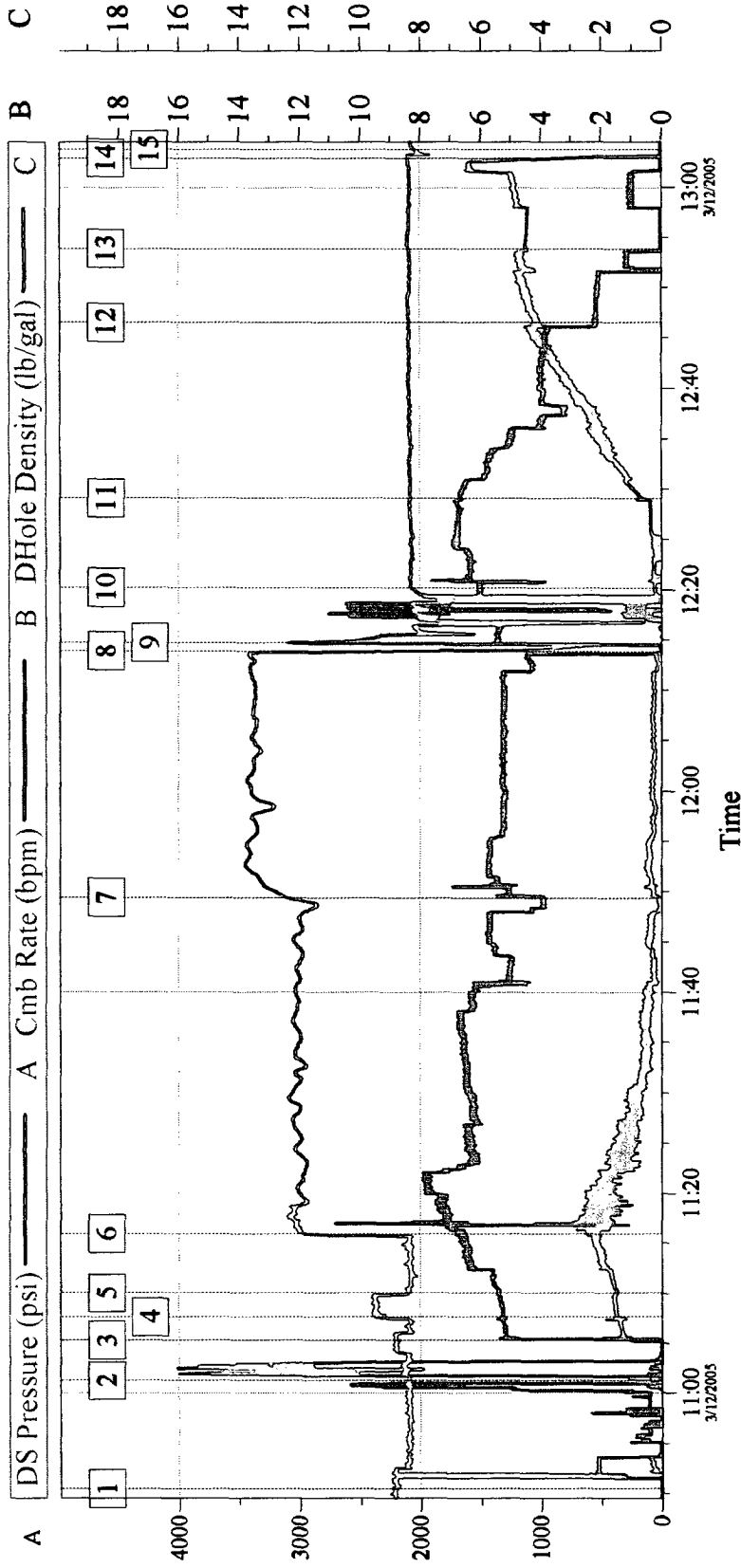
Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments
		#		Stage	Total	Tubing	Casing	
Drop Top Plug	03/12/2005 12:13							
Pump Displacement	03/12/2005 12:20		6				56	
Displ Reached Cmmt	03/12/2005 12:29		6.5	60			174	
Other	03/12/2005 12:46		2	130			1040	Slow rate
Bump Plug	03/12/2005 13:01		1	148			1600	
Check Floats	03/12/2005 13:02							Held
End Job	03/12/2005 13:03							Didnt circulate cement
Post-Job Safety Meeting (Pre Rig-Down)	03/12/2005 13:05							
Rig-Down Equipment	03/12/2005 13:10							
Rig-Down Completed	03/12/2005 14:15							
Depart Location Safety Meeting	03/12/2005 14:30							

Stats

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Water Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	SUPER FLUSH 102	SUPER FLUSH 102 - SBM (12200)	12.00	bbl	9.4			0	
2	Interfill C	INTERFILL C - SBM (14210)	400.00	sacks	11.5	2.772	15.975		15.98
		15.975 Gal FRESH WATER							
3	Super H	PERMIAN BASIN SUPER H CEMENT - SBM (14532)	350.00	sacks	13.2	1.645	7.971		7.97
		7.971 Gal FRESH WATER							
		0.5 % LAP-1 (100012766)							
		0.4 % CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
		3 lbm SALT, BULK (100003695)							
		0.25 lbm D-AIR 3000 (101007446)							
Calculated Values		Pressures		Volumes					
Displacement	148	Shut In: Instant		Lost Returns	No	Cement Slurry	278	Pad	
Top Of Cement		5 Min		Cement Returns	No	Actual Displacement	148	Treatment	
Frac Gradient		15 Min		Spacers	57	Load and Breakdown		Total Job	483
Rates									
Circulating	5	Mixing	7	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	41.07 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					



Event Log				
1	Start Job	10:50:23	2	Test Lines
4	Pump Spacer 2	11:07:37	5	Pump Spacer 1
7	Pump Tail Cement	11:49:24	8	Drop Top Plug
10	Pump Displacement	12:20:11	11	Displ Reached Cement
13	Bump Plug	12:53:52	14	Check Float
			3	Pump Spacer 1
			6	Pump Lead Cement
			9	Clean Lines
			12	Slow Rate
			15	End Job
				11:05:19
				11:15:57
				12:14:40
				12:46:31
				13:03:44

Customer: Elk	Job Date: 3-12-05	Ticket #: 3590933
Co Rep Rocky Ray	Serv Super Mike Kuhn	5.5 Production

CemWin v1.6.0
12-Mar-05 13:31