

Submit 1 Copy To Appropriate District Office  
District I – (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II – (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III – (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV – (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised August 1, 2011

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Record Clean-Up

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-28728
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator BK Exploration Corporation		6. State Oil & Gas Lease No.
3. Address of Operator 10159 E. 11 <sup>th</sup> St. Ste. 401 Tulsa, OK 74128-3028		7. Lease Name or Unit Agreement Name Jasso "22"
4. Well Location P 890 South 560 East Unit Letter _____: _____ feet from the _____ line and _____ feet from the _____ line Section 22 Township 23-S Range 28-E NMPM Eddy County		8. Well Number 2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3029' GR 3039' KB		9. OGRID Number 002433
		10. Pool name or Wildcat Loving Brushy Canyon, East

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☒

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

By October, 1999, well was producing 100% water. Performed following work to lower water production, and restore oil & gas recovery:

- 10/13/1999 Conducted wireline surveys inside 5 1/2" casing, while pumping well. Located 5 1/2" casing collar leak at 4940', above 5 1/2" top of cement at 5090'. Prepare to pump cement slurry to stop water flow, from outside of, to inside of 5 1/2" casing.
- 10/15/1999 With pulling unit on well, pulled all pumping equipment and production tubing out of 5 1/2" casing.
- 10/16/1999 By wireline, set drillable bridge plug at 5125', below casing leak at 4940'. With wireline gun, shot 2 squeeze holes in 5 1/2" casing at 5065'. With pump truck, pumped brine down 5 1/2" casing to establish circulation out 5 1/2" x 8 5/8" annulus. On tubing, set cement retainer at 4885'. Pressure tested casing at 0-4885' to 500#, held OK. By Halliburton, via tubing, pumped (into squeeze perfs at 5065') a cement slurry comprised of 800 sacks of Interfill cement (11.7 ppg, 2.61 cu. ft. per sack yield, total volume 2088 cu. ft.) and 200 sacks of Premium cement (14.8 ppg, 1.32 cu. ft. per sack yield, total volume 264 cu. ft.). During pumping, maintained circulation to surface but no show of cement slurry out annulus of 5 1/2" x 8 5/8" casings. Released tubing from retainer and pulled out of well. Waited on cement to set. Total volume of cement pumped outside of 5 1/2" casing, through squeeze perfs: 2320 cu. ft. Cement job detail attached. Estimated TOC: 1280' at 50% fill.
- 10/19/1999 Down 5 1/2" casing, lowered drilling bit on tubing and drilled out cement retainer and cement to 5100'. Pressure tested casing to 500# for 40 minutes, held OK. Swabbed casing dry, seeing no water entry into 5 1/2" casing, over 2 days. No bond log run.
- 10/23/1999 After drilling out bridge plug at 5125', installed tubing and pumping equipment in well. Placed well back to pumping.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Brad D. Burks TITLE President DATE May 30, 2012  
Type or print name Brad D. Burks E-mail address: \_\_\_\_\_ PHONE: 918-582-3855 x100

For State Use Only

APPROVED BY: [Signature] TITLE Dist. Rep. Supervisor DATE 7/5/12  
Conditions of Approval (if any): \_\_\_\_\_

**NMOCD FORM C-103 ATTACHMENT**  
**JASSO "22" WELL #2**  
**API 30-015-28728**  
**MAY 30, 2012**

***COMPUTATION OF ESTIMATED TOP OF 5 1/2" CASING  
SUBSEQUENT TO CEMENT PUMPED ON  
OCTOBER 16, 1999***

Casing Squeeze Perfs Located At: 5065', sub-surface

Actual Total Volume of Cement Slurry Pumped Through Perfs (on 10/16/1999): 2320 cubic feet

Estimated Reduction of Total Cement Slurry Volume Due to Loss, to Formations, During Pumping Phase: 50%

Adjusted Total Volume of Cement Slurry Pumped Through Perfs: 1160 cubic feet

Open-Hole Log With Integrated Hole Volume (5 1/2" Casing by 7 7/8" Drilled Hole): 12/19/1995 Computalog Porosity

Estimated Top of Cement, Based on Log Hole Volume, Located At: 1280', sub-surface

***CEMENT TOP SENSITIVITY ANALYSIS***

<u>Estimated Reduction of Total Cement Slurry Volume Pumped</u>	<u>Estimated Top of Cement</u>
0%	Surface
10%	Surface
20%	Surface
30%	430'
40%	700'
50%	1280'
60%	2020'
70%	2660'
80%	3300'
90%	4190'
100%	5065'

<b>JOB SUMMARY</b>		SALES ORDER NUMBER <b>212478</b>	TICKET DATE <b>10/16/99</b>
		BDA / STAT <b>MIDLAND, TX</b>	COUNTY <b>Eddy NM</b>
REGION <b>NORTH AMERICA</b>		COUNTRY <b>CENTRAL REGION</b>	
HES EMPLOYEE NAME <b>Stan Burns</b>		PSL DEPARTMENT <b>ZONAL ISOLATION</b>	
LOCATION <b>Hobbs</b>		CUSTOMER REP / PHONE <b>Brad Burks 918-582-3855</b>	
TICKET AMOUNT <b>\$24,048.15</b>		WELL TYPE <b>01-Oil</b>	
WELL LOCATION <b>Carlsbad</b>		DEPARTMENT <b>CEMENTING SERVICES 10003</b>	
LEASE NAME <b>Jasso "22"</b>		SAP BOMB NUMBER <b>14099</b>	
Well No <b>#2</b>		Description <b>RE-Cement</b>	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS
Stan Burns 104472	50		
Hector Reza 104476	50		
Guy Mcarthar 104673	50		

HES UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
420511	100			
54054-78657	100			
53820-78626	100			

Form. Name _____ Type: _____	Date	Called Out 10/16/99	On Location 10/16/99	Job Started 10/16/99	Job Completed 10/16/99
Form. Thickness _____ From _____ To _____	Time	1100	1300	1430	1800
Packer Type _____ Set At _____					
Bottom Hole Temp. _____ Pressure _____					
Retainer Depth _____ Total Depth _____					

Tools and Accessories			Well Data				
Type and Size	Qty	Make	New/Used	Weight	Size	Grade	From To Max. Allow
Float Collar 5 1/2				15.5-17	5 1/2		0 6,636
Float Shoe 5 1/2							
Centralizers 5 1/2							
Top Plug 5 1/2				4.7			
Packer 5 1/2							
DV Tool 5 1/2							
Insert Float 5 1/2							
Guide Shoe 5 1/2							
Other							

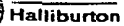
Materials				Hours On Location		Operating Hours		Description of Job
Mud Type	Density	Lb/Gal		Date	Hours	Date	Hours	SEE JOB LOG
Disp. Fluid	Density	Lb/Gal		10/16	5.0	10/16	2.0	
Prop. Type	Size	Lb						
Prop. Type	Size	Lb						
Acid Type	Gal.	%						
Acid Type	Gal.	%						
Surfactant	Gal.	In						
NE Agent	Gal.	In						
Fluid Loss	Gal/Lb	In						
Gelling Agent	Gal/Lb	In						
Fric. Red.	Gal/Lb	In						
Breaker	Gal/Lb	In						
Blocking Agent	Gal/Lb			Total	5.0	total	2.0	
Perfpac Balls	Qty.							
Other								
Other								
Other								
Other								
Other								

Ordered	Hydraulic Horsepower	Used
	Avail.	
	Average Rates in BPM	
Treating	Disp.	Overall
	Cement Left in Pipe	
Feet	Reason	

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
	800	Interfill "C"	B	0.25# Flocele	15.4	2.61	11.7
	200	Premium Plus	B	0.3% Halad-9	6.3	1.32	14.8
			B				
			B				
			B				

Summary							
Circulating Breakdown	Displacement	Preflush: Gal - BBI	12	Type: 500 gal. Superflush-102			
Lost Returns-YES <u>NO</u>	Maximum	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal	5		
Cmt Rtrn#Bbl	Lost Returns-NO	Excess /ReturnGal BBI		Calc. Disp Bbl	18.9		
Average	Actual TOC	Calc. TOC:		Actual Disp.	18.5		
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI		Disp:Bbl-Gal	BBL		
	5 Min. 15 Min	Cement Slurry Gal - BBI	419				
		Total Volume Gal - BBI	449				

Frac. Ring #1	Frac. Ring #2	Frac. Ring #3	Frac. Ring #4
<b>THE INFORMATION STATED HEREIN IS CORRECT</b> CUSTOMER REPRESENTATIVE _____ SIGNATURE _____			



## TICKET #

21478

TICKET DATE

10/16/99

COUNTY  
Eddy NM

PSL DEPARTMENT

**Stan Burns**

COMPANY

CUSTOMER REP / PHONE

Brad Burks

DEPARTMENT

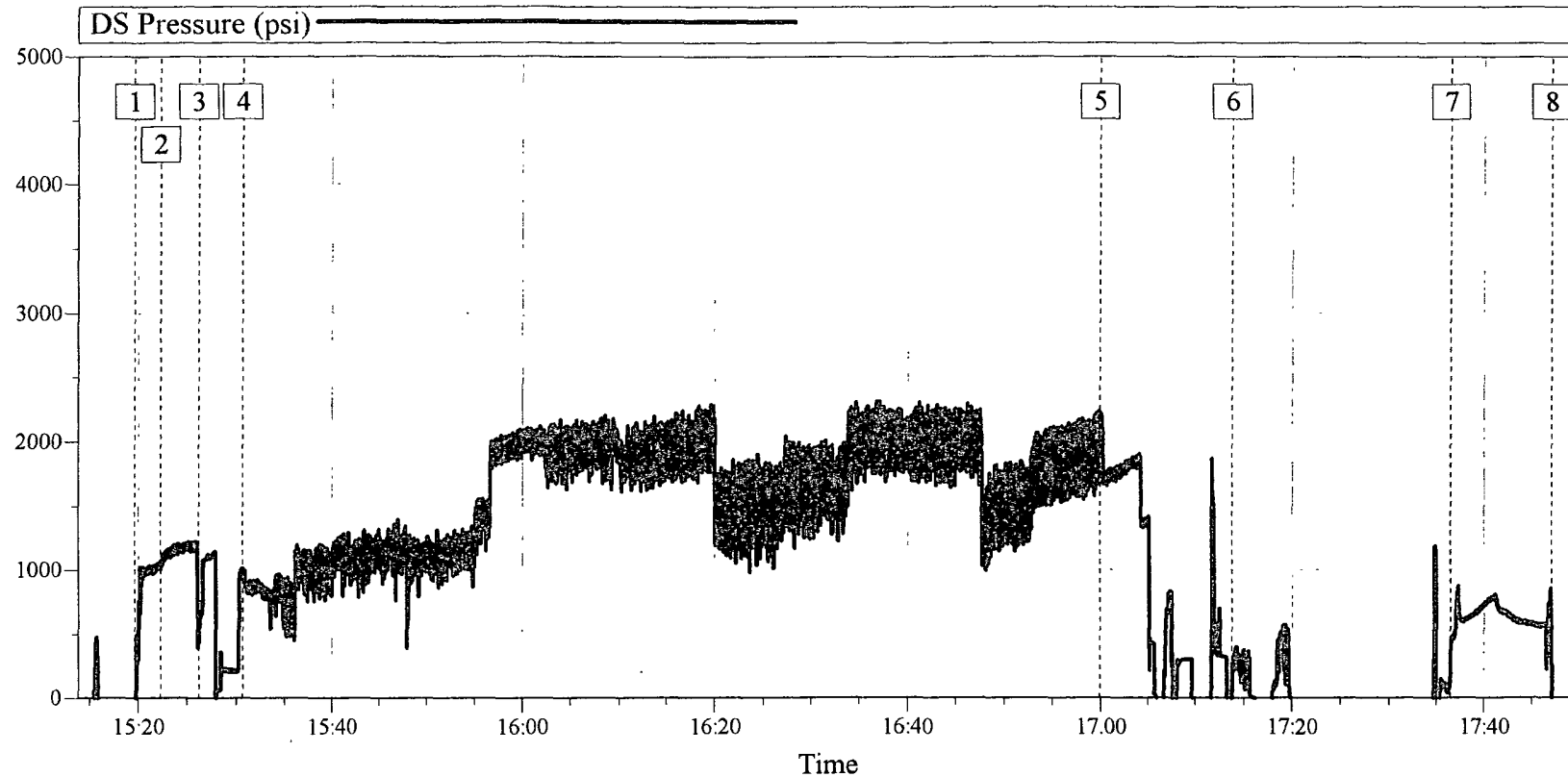
**CEMENTING SERVICES 10003**

Well No.	#2
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SEC / TWP / RNG

[illegible]

# Pressure



## Event Log

1	Pump Spacer 1	15:19:37	2	Pump Spacer2	15:22:16	3	Pump Spacer 1	15:26:12
4	Pump Lead Cement	15:30:38	5	Pump Displacement	16:59:55	6	Clean Lines	17:13:45
7	Reverse Circ. Well	17:36:25	8	End Job	17:47:02			

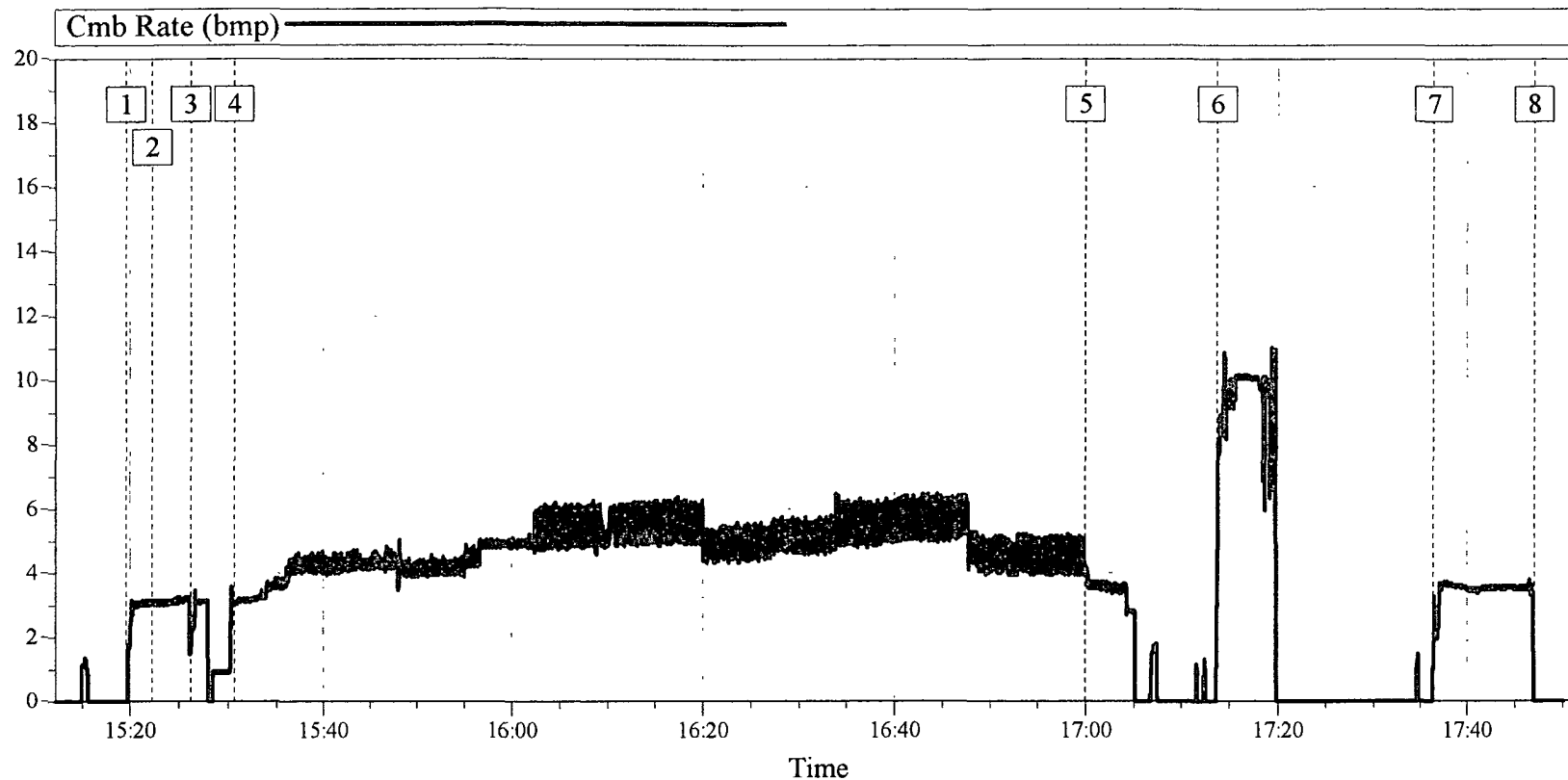
Customer: BK Exploration  
Well Description: Jasso 22 #2  
File Name: 10BKE212478A4

Job Date: 10/16/99  
UWI: 3001528728

Ticket #: 212478  
Re Cement

**HALLIBURTON**  
CemWin v1.2.0  
19-Oct-99 11:38

# Rate




## Event Log

1	Pump Spacer 1	15:19:37	2	Pump Spacer2	15:22:16	3	Pump Spacer 1	15:26:12
4	Pump Lead Cement	15:30:38	5	Pump Displacement	16:59:55	6	Clean Lines	17:13:45
7	Reverse Circ. Well	17:36:25	8	End Job	17:47:02			

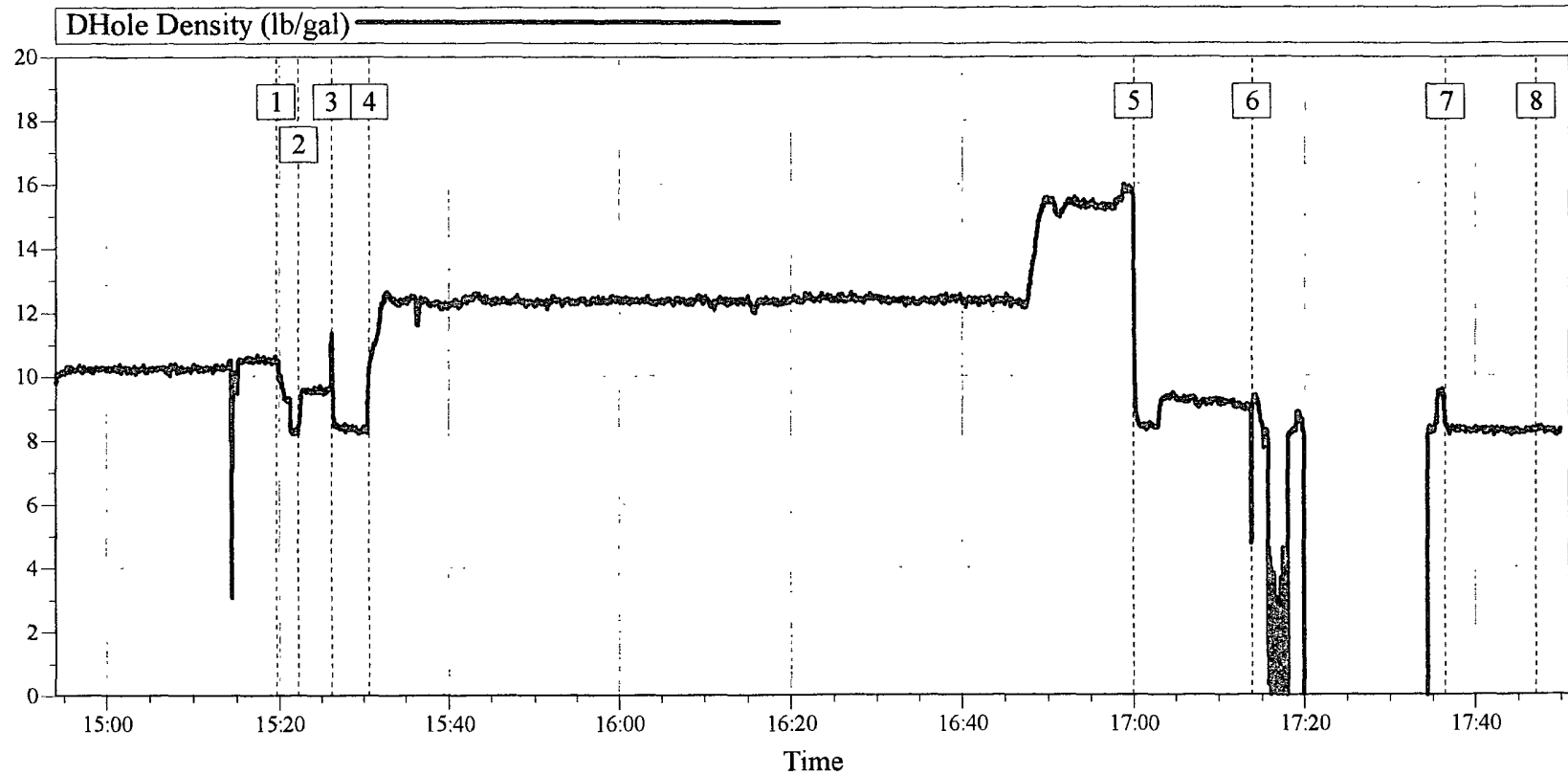
Customer: BK Exploration  
Well Description: Jasso 22 #2  
File Name: 10BKE212478A4

Job Date: 10/16/99  
UWI: 3001528728

Ticket #: 212478  
Re Cement

 HALLIBURTON  
CemWin v1.2.0  
19-Oct-99 11:41

# Density



## Event Log

1 Pump Spacer 1 15:19:37	2 Pump Spacer2 15:22:16	3 Pump Spacer 1 15:26:12
4 Pump Lead Cement 15:30:38	5 Pump Displacement 16:59:55	6 Clean Lines 17:13:45
7 Reverse Circ. Well 17:36:25	8 End Job 17:47:02	

Customer: BK Exploration  
Well Description: Jasso 22 #2  
File Name: 10BKE212478A4

Job Date: 10/16/99  
UWI: 3001528728

Ticket #: 212478  
Re Cement

**HALLIBURTON**  
CemWin v1.2.0  
19-Oct-99 11:42