

HALLIBURTONSEP 17 2007
OCD-ARTESIA**Cementing Job Summary**

30-015-35726

The Road to Excellence Starts with Safety

Sold To #: 342870	Ship To #: 2599034	Quote #:	Sales Order #: 5359098
Customer: COG OPERATING L L C		Customer Rep: Graham, Rick	
Well Name: Dasher 16 State		Well #: 1	API/UWI #:
Field:	City (SAP): LOCO HILLS	County/Parish: Eddy	State: New Mexico
Contractor: Patterson/UTI Drilling		Rig/Platform Name/Num: Patterson/UTI Drilling #74	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: RIPLEY, STEVE		Srvc Supervisor: BLAYLOCK, TERRY	MBU ID Emp #: 385332

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARGUJO, EDDIE JOE	9.0	427350	BLAYLOCK, TERRY William	30.0	385332	GARCIA, JESSE A	9.0	399704
MELTON, WILLIAM	9.0	404353	MOLINA, GABRIEL M	30.0	364672	MORGAN, ROBERT Carl	30.0	399486
WILLIAMSON, CARIEL Lavern	30.0	397218						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9-14-07	1	0	9-15-07	24	5	9-16-07	6	1

TOTAL	Total is the sum of each column separately							
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Job**Job Times**

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	608. ft	608. ft						14 - Sep - 2007	19:00	MST
											On Location	14 - Sep - 2007	23:00	MST
											Job Started	15 - Sep - 2007	06:00	MST
											Job Completed	16 - Sep - 2007	03:00	MST
											Departed Loc	16 - Sep - 2007	05:00	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
Surface Hole				17.5					608.		
Surface Casing	Used		13.375	12.715	48.				610.		

Sales/Rental/3rd Party (HES)

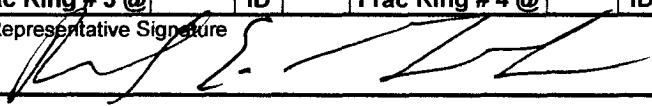
Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,13 3/8,HWE,11.79 MIN/12.72	1	EA		HES
WG-19	100	LB		

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	Qty	

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	1st Lead Cement Prem Plus Thixotropic	CMT - PREMIUM PLUS CEMENT (100012205)	180.0	sacks	14.2	1.63	6.96		6.96
	94 lbm	CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)							
	10 lbm	GILSONITE, BULK (100003700)							
	10 lbm	CAL-SEAL 60, 100 LB BAG (100005051)							
	1 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.96 Gal	FRESH WATER							
2	2nd Lead Cement HLPP	HALLIBURTON LIGHT PREMIUM PLUS - SBM (14241)	350.0	sacks	12.5	1.97	10.86		10.86
	10.859 Gal	FRESH WATER							
	1 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
3	P Plus	CMT - PREMIUM PLUS CEMENT (100012205)	400.0	sacks	14.8	1.34	6.36		6.36
	94 lbm	CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)							
	6.362 Gal	FRESH WATER							
	1 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
4	Top Out Prem Plus	CMT - PREMIUM PLUS CEMENT (100012205)	400.0	sacks	14.8	1.35	6.39		6.39
	94 lbm	CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	6.387 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	90	Shut In: Instant		Lost Returns	YES	Cement Slurry	367	Pad	
Top Of Cement		5 Min		Cement Returns	NO	Actual Displacement	90	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	625
Rates									
Circulating	6	Mixing	5	Displacement	6.5	Avg. Job	5		
Cement Left In Pipe	Amount	42.2 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

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Customer: COG OPERATING L L C		Customer Rep: Graham, Rick	
Well Name: Dasher 16 State	Well #: 1	API/UWI #:	
Field:	City (SAP): LOCO HILLS	County/Parish: Eddy	State: New Mexico
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Patterson/UTI Drilling	Rig/Platform Name/Num: Patterson/UTI Drilling #74		
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: RIPLEY, STEVE		Srv Supervisor: BLAYLOCK, TERRY	MBU ID Emp #: 385332

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/14/2007 19:00							
Safety Meeting - Service Center or other Site	09/14/2007 20:00							
Depart from Service Center or Other Site	09/14/2007 22:00							
Arrive at Location from Service Center	09/14/2007 23:00							
Safety Meeting - Assessment of Location	09/14/2007 23:05							
Safety Meeting - Pre Rig-Up	09/14/2007 23:10							
Rig-Up Equipment	09/14/2007 23:15							
Rig-Up Completed	09/15/2007 00:00							
HES Resources on Location and Available to Perform	09/15/2007 00:05							
Time Customer is Ready to Turn Control Over to HES	09/15/2007 06:20							
Start Job	09/15/2007 06:39							
Pump Spacer 1	09/15/2007 06:43		6	10			106.0	H2O
Pump Spacer 2	09/15/2007 06:45		6	40			109.0	WG-19
Pump Lead Cement	09/15/2007 06:52		6	52			284.0	(180 SKS) P+ THIXOTROPIC @14.2
Pump Cement	09/15/2007 06:59		4	123			194.0	(350 SKS) HLP + 1% CAL. CLORIDE @ 12.5
Pump Tail Cement	09/15/2007 07:23		6	96			256.0	(400 SKS) P+ 1% CALCIUM CLORIDE @14.8
Drop Top Plug	09/15/2007 07:42							

Sold To # : 342870

Ship To # :2599034

Quote # :

Sales Order # :

5359098

SUMMIT Version: 7.20.130

Sunday, September 16, 2007 10:45:00

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	09/15/2007 07:43		6	90			88.0	H2O
Slow Rate	09/15/2007 07:56		3	80			58.0	SLOW RATE
Bump Plug	09/15/2007 07:58		3	90			385.0	CHECK FLOATS
Check Floats	09/15/2007 07:59							FLOATS HELD
End Job	09/15/2007 08:00							DID NOT CIRCULATE HAD TO 1 INCH
Start Job	09/15/2007 14:05							1ST PLUG
Pump Spacer 1	09/15/2007 14:06		2	2		562.0		H2O
Pump Cement	09/15/2007 14:08		2	8.5		1172.0		PUMPED 35 SKS PLUG (P+ 2% @14.8)
Pump Displacement	09/15/2007 14:14		2	2		1165.0		H2O
Clean Lines	09/15/2007 14:16							WASHED UP TO PIT
End Job	09/15/2007 14:22							TAGGED AT 367 ft
Start Job	09/15/2007 17:15							2ND PLUG
Pump Spacer 1	09/15/2007 17:16		2	2		791.0		H2O
Pump Cement	09/15/2007 17:17		2	8.5		1740.0		PUMPED 35 SKS PLUG (P+ 2% @14.8)
Pump Displacement	09/15/2007 17:23		2	2		1745.0		H2O
Clean Lines	09/15/2007 17:24							WASHED UP TO PIT
End Job	09/15/2007 17:30							TAGGED @ 335 FT
Start Job	09/15/2007 19:59							3RD PLUG
Pump Spacer 1	09/15/2007 20:02		2	2		892.0		H2O
Pump Cement	09/15/2007 20:03		2	14.5		1100.0		PUMPED 60 SKS PLUG (P+ 2% @ 14.8)
Pump Displacement	09/15/2007 20:10		2	2		1200.0		H2O
Clean Lines	09/15/2007 20:12							WASHED UP TO THE PIT
End Job	09/15/2007 20:18							TAGGED @ 258 FT

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Sunday, September 16, 2007 10:45:00

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	09/15/2007 22:15							4TH PLUG
Pump Spacer 1	09/15/2007 22:16		3	50		1336.0		H2O PUMPED 50 BBLS TO BREAK CIRCULATION
Pump Cement	09/15/2007 22:34		2	20.5		1299.0		PUMPED 85 SK PLUG (P+2% @ 14.8)
Pump Displacement	09/15/2007 22:41		2	2		1150.0		H2O
Clean Lines	09/15/2007 22:44							WASHED UP TO PIT1
End Job	09/15/2007 22:51							TAGGED AT 172 FT
Start Job	09/16/2007 01:04							5TH PLUG - TOP OUT
Pump Spacer 1	09/16/2007 01:07		2	50		689.0		H2O
Pump Cement	09/16/2007 01:25		2	44.5		1209.0		PUMPED 185 SKS (P+2% @ 14.8)
Pump Displacement	09/16/2007 01:50		2	2		1200.0		H2O
Clean Lines	09/16/2007 01:58							WASHED UP TO PIT
Clean Lines	09/16/2007 02:05							PUMPED 90 BARRELS FRESH WATER THRU RIG LINES
End Job	09/16/2007 02:22							CIRCULATED 21 SX CEMENT
Safety Meeting - Pre Job	09/16/2007 02:29							
Safety Meeting - Pre Rig-Down	09/16/2007 02:30							
Rig-Down Equipment	09/16/2007 02:31							
Rig-Down Completed	09/16/2007 03:31							
Safety Meeting - Departing Location	09/16/2007 03:50							
Depart Location for Service Center or Other Site	09/16/2007 05:00							