

HALLIBURTON

iCem[®] Service

PICEANCE ENERGY LLC - EBUS

For: Chuck Mallary

PICEANCE FEDERAL 28-07E

API # 05-077-10261-00

Job Date: Sunday, December 13, 2015

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	12/13/2015	16:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	12/13/2015	17:50:00	USER					WITH ALL HES PERSONNEL
Event	3	Crew Leave Yard	12/13/2015	18:00:00	USER					
Event	4	Arrive At Loc	12/13/2015	20:00:00	USER					RIG WAS RUNNING CASING UPON HES ARRIVAL
Event	5	Other	12/13/2015	20:10:00	USER					OFFERED MSDS RECIEPT TO COMPANY REP, WENT OVER JOB PROCEDURES
Event	6	Other	12/13/2015	20:20:00	USER					TEMP - 65, PH - 6, CHLORIDES - 0
Event	7	Assessment Of Location Safety Meeting	12/13/2015	20:30:00	USER					WITH ALL HES PERSONNEL
Event	8	Other	12/13/2015	20:40:00	USER					
Event	9	Pre-Rig Up Safety Meeting	12/13/2015	20:50:00	USER					WITH ALL HES PERSONNEL
Event	10	Rig-Up Equipment	12/13/2015	21:00:00	USER					1 PUMP, 1 BULK TRUCK
Event	11	Pre-Job Safety Meeting	12/13/2015	22:45:00	USER					WITH ALL PERSONNEL
Event	12	Start Job	12/13/2015	23:00:00	COM5					TD 1638 FT, TP 1628 FT, SHOE 46.55 FT, CSG 8 5/8 IN 24 LB/FT, HOLE 11 IN,

MUD WT 9.4 PPG

Event	13	Prime Pumps	12/13/2015	23:01:55	USER	8.33	2.0	70.0	2.0	FRESH WATER
Event	14	Drop Bottom Plug	12/13/2015	23:02:37	USER					PLUG LAUNCHED
Event	15	Test Lines	12/13/2015	23:04:29	COM5					TESTED LINES TO 3895 PSI PRESSURE HOLDING
Event	16	Pump Spacer 1	12/13/2015	23:10:02	COM5	8.33	4.0	162.0	40.0	FRESH WATER
Event	17	Pump Lead Cement	12/13/2015	23:20:30	COM5	12.3	8.0	307	84.1	192 SKS AT 12.3 PPG VariCem, 2.46 FT3/SK, 14.17 GAL/SK
Event	18	Bump Plug	12/13/2015	23:29:13	USER					BOTTOM PLUG
Event	19	Pump Tail Cement	12/13/2015	23:32:38	COM5	12.8	8.0	250.0	49.3	127 SKS AT 12.8 PPG VariCem, 2.18 FT3/SK, 12.11 GAL/SK
Event	20	Shutdown	12/13/2015	23:40:06	USER					
Event	21	Drop Top Plug	12/13/2015	23:41:40	USER					PLUG LAUNCHED
Event	22	Pump Displacement	12/13/2015	23:42:55	COM5	8.33	8.0	650.0	100.6	FRESH WATER
Event	23	Slow Rate	12/13/2015	23:56:33	USER	8.33	2.0	415.0	90.6	SLOWED RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Event	24	Bump Plug	12/14/2015	00:01:20	USER			1175.0		
Event	25	Check Floats	12/14/2015	00:02:13	USER					FLOATS HOLDING. HES RETURNED 1/2 BBL H2O TO PUMP
Event	26	End Job	12/14/2015	00:02:57	COM5					PIPE WAS STATIC DURING

5

JOB, GOOD CIRCULATION
THROUGHOUT JOB. HES
RETURNED 35 BBLS
CEMENT TO SURFACE. HES
USED 40 LBS SUGAR FOR
JOB.

Event	27	Pre-Rig Down Safety Meeting	12/14/2015	00:10:00	USER	WITH ALL HES PERSONNEL
Event	28	Rig-Down Equipment	12/14/2015	00:15:00	USER	
Event	29	Pre-Convoy Safety Meeting	12/14/2015	00:50:00	USER	WITH ALL HES PERSONNEL
Event	30	Crew Leave Location	12/14/2015	01:00:00	USER	
Event	31	Comment	12/14/2015	01:01:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

2.2 NO LEGEND.png

