



- ③ Arrive At Loc n/a/n/a/n/a
- ④ Pre-Rig Up Safety Meeting n/a/n/a/n/a
- ⑤ Rig-Up Equipment n/a/n/a/n/a
- ⑥ Rig-Up Completed -2:52:0:17
- ⑦ Safety Meeting - Pre Job -3:1:0:22
- ⑧ Pump Spacer 1 5:19:3:4:27
- ⑨ Shutdown 14:94:4:9:195
- ⑩ Pump Displacement 9:1
- ⑪ Test Lines 5:22:0:25
- ⑫ Pump Cement 14:07:4:1:90
- ⑬ Drop Top Plug 14:71:0:14
- ⑭ Cement Returns to Sur

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Rate (bbl/min)	Pump Press (psi)	Comments
Event	1	Call Out	Call Out	2/8/2015	09:30:00	USER				requested on loc at 15:00
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	2/8/2015	11:30:00	USER				stay on route and in convoy
Event	3	Arrive At Loc	Arrive At Loc	2/8/2015	13:00:00	USER				arrive on location wait for third party truck to be unloaded before spotting equipment
Event	4	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	2/8/2015	13:45:00	USER				use 2 spotters, watch line of fire, pinch points
Event	5	Rig-Up Equipment	Rig-Up Equipment	2/8/2015	13:55:00	USER				
Event	6	Rig-Up Completed	Rig-Up Completed	2/8/2015	15:00:00	USER				
Event	7	Safety Meeting - Pre Job	Safety Meeting - Pre Job	2/8/2015	15:20:00	USER				stay clear of red zone, don't cross over pressurized iron,
Event	8	Test Lines	Test Lines	2/8/2015	15:37:00	USER	8.34	0.00	3000.00	test lines 500 psi low and 3000 psi high
Event	9	Pump Spacer 1	Pump Spacer 1	2/8/2015	15:42:00	COM7	8.34	3.40	27.00	pump 10 bbls water spacer ahead...good returns
Event	10	Pump Cement	Pump Cement	2/8/2015	15:46:00	COM7	15.00	4.10	90.00	pump 114 bbls (490 sks) at 15#...good returns
Event	11	Shutdown	Shutdown	2/8/2015	16:10:00	USER	15.00	0.00	0.00	
Event	12	Drop Top Plug	Drop Top Plug	2/8/2015	16:11:00	COM7				drop top plug
Event	13	Pump Displacement	Pump Displacement	2/8/2015	16:12:00	COM7	8.34	8.00	178.00	pump 60 bbls water displacement...good returns

Event	14	Cement Returns to Surface	Cement Returns to Surface	2/8/2015	16:15:00	USER	8.34	8.00	310.00	circulated 43 bbls cement to surface...good returns
Event	15	Slow Rate	Slow Rate	2/8/2015	16:18:00	USER	8.34	3.00	431.00	slow rate to 3 bbls min to land plug...good returns
Event	16	Bump Plug	Bump Plug	2/8/2015	16:23:28	COM7	8.34	0.00	940.00	land plug from 310-940 psi
Event	17	Check Floats	Check Floats	2/8/2015	16:24:42	USER	8.34	0.00	0.00	floats holding .5 bbls back
Event	18	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	2/8/2015	16:26:05	USER				watch hand and foot placement, use proper lifting
Event	19	Rig-Down Equipment	Rig-Down Equipment	2/8/2015	16:30:00	USER				
Event	20	Rig-Down Completed	Rig-Down Completed	2/8/2015	17:10:00	USER				
Event	21	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	2/8/2015	17:20:00	USER				stay on route, journey management
Event	22	Depart Location	Depart Location	2/8/2015	17:30:00	USER				

The Road to Excellence Starts with Safety

Sold To #: 372073	Ship To #: 3643291	Quote #: 0021993568	Sales Order #: 0902088060
Customer: TAPSTONE ENERGY LLC		Customer Rep: Buck Fogle	
Well Name: THOMAS 17-34-7	Well #: 1H	API/UWI #: 15-077-22127-01	
Field: COOPER CREEK	City (SAP): ANTHONY	County/Parish: HARPER	State: KANSAS
Legal Description: S2 S2 SW SE-17-34S-7W-200FSL-1980FEL			
Contractor: NOMAC		Rig/Platform Name/Num: NOMAC 245	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX25353		Srcv Supervisor: John Marinis	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type		BHST	80 degF
Job depth MD	816ft		Job Depth TVD
Water Depth			Wk Ht Above Floor
Perforation Depth (MD)	From		To

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			12.25				0	816	0	0
Casing	3	9.625	8.921	36	LTC	J-55	0	816	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		816	Top Plug	9.625	1	HES
Float Shoe	9.625				Bottom Plug	9.625		HES
Float Collar	9.625	1			SSR plug set	9.625		HES
Insert Float	9.625				Plug Container	9.625		HES
Stage Tool	9.625				Centralizers	9.625		HES

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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Water Spacer	Water Spacer	10	bbl	8.33			4		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Primary Cement	SWIFTCEM (TM) SYSTEM	490	sack	15	1.319		5	6.25	
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)								

2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.1250 lbm		POLY-E-FLAKE (101216940)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	60.0	bbl	8.33				
Cement Left In Pipe		Amount	45 ft		Reason			Shoe Joint	
Comment									