

Mineral Resources, Inc.

SURFACE CASING REPORT

Westbone 1-3-22

NWSE SEC. 22 5N 66W

Hwy 85 north to Hwy 34, west to 47th ave., 1/2 south, west to location

19-Aug-11			1	45.23	21
PERMIT DEPTH	560		2	45.27	22
DRILLED TO	658		3	45.22	23
JTS ON RACK	14	633.29	4	45.22	24
JTS RUN	14	633.29	5	45.26	25
LANDED AT		649.09	6	45.22	26
JTS OUT	0	0.00	7	45.25	27
			8	45.22	28
			9	45.24	29
			10	45.23	30
			11	45.25	31
			12	45.24	32
			13	45.21	33
			14	45.23	34
			15		35
			16		36
			17		45
			18		38
			19		39
			20		40
					0.80 SHOE 15 KB

TIME BREAK DOWN

TD ON SURFACE 8-19-11	1:00			PLUG DOWN	7:45
CIRCULATE	1:00	-	1:30	4 bbls cement returns	
WIPER TRIP	1:30	-	3:00		
CIRCULATE	3:00	-	3:15		
TOH	3:15		4:45		
RIG UP CASERS & S.M	4:45	-			
RUN CASING			7:00		
CIRCULATE	7:00		7:15		
CEMENT	7:15		7:45		

CEMENT REPORT

Ran notched shoe, Baffle 1st collar, centralizers on collars 1, 5, 10, cement basket at 80 foot
 Cementers pumped 20 bbls water pre-flush.
 Then mix and pump 460 sks neat cmt w/ 3% CaCl and 0.125 lbs/sk flocel mixed at 14.8-15.0 PPG, Yield 1.18cu/ft/sk
 Displace w/ 38 bbls water, bumped plug to 500 PSI. 4 bbls cement returns

Observe testing of casing by High Tech Rental Tools 8-19-2011 1600 to 2100

Test dart, check valve, 4.5 pipe rams, outside manifold valves, kill valve, 250 low, 2250 high 15 minutes
 Test annular, 250 low 750 high 15 minutes
 Test blind rams, middle manifold, kill valve, low 250 high 2250 15 minutes
 Test blind rams, inside manifold, kill valve, low 250 high 2250
 Test 4.5 pipe rams, HCR valve, dart valve, low 250 high 2250 15 minutes
 Test 4.5 pipe rams, manuel choke valve, dart valve, low 250 high 2250 15 minutes
 Test casing 750, lost 75 PSI in 15 minutes Test Kelly & kelly valve 250 low, 2250 high