

Date 3-27-10 District Oakley Ticket No. 44516
 Company Vectra Mill & Gas Rig Black Gold #69
 Lease Red cloud Well No. 44-5
 County Cheyenne State Colorado
 Location Electric w/2 Rd 256 N 20 Rd 1 Field 55-185-44 W
35.70 Rd 28 4 N 10 Rd 2 2 1/2 W 10 135

CEMENT DATA:
 Spacer Type: 500 gal WFR 2
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2" Type _____ Weight 15.5 # Collar _____

LEAD: Pump Time _____ hrs. Type 170 5" gal 1/2" Res
 Excess _____
 Amt. 180 Skys Yield 1.98 ft³/sk Density 12.4 PPG
 TAIL: Pump Time _____ hrs. Type ASC 2 3/4" 2000
6" 1/4" 11" 10" 10" 10" Excess _____
 Amt. 120 Skys Yield 1.98 ft³/sk Density 12.4 PPG
 WATER: Lead 69 gals/sk Tail 108 gals/sk Total 83.95 Bbls.

Casing Depths: Top 3336.13 Bottom 5763.56

Pump Trucks Used 431
 Bulk Equip. 386

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. 42.01
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.40
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer Industrial Rubber
 Shoe: Type Guide shoe Depth 5763
 Float: Type Super seal float collar Depth 5721
 Centralizers: Quantity 24 Plugs Top 1 Btm. _____
 Stage Collars DV Tool
 Special Equip. 3 baskets, 1 looking,
 Disp. Fluid Type Water based Amt. 136.7 Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Matt Galsby

CEMENTER Fuzzy

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
5:00 pm						Arrive
1:00 am	3-28-10					Pic Job safety meeting
						Circ
7:50					5	S BAL water
7:51					12	500 gal WFR 2
7:55					63.4	Mix 1200 lbs lead cement
8:12	200*				20.9	Mix 1200 lbs Tail cement
8:15					5	wash pump & lines
8:19	1000*				136.5	Drop plug & displace
8:45	1700*					Plug down
8:47	1200*				.5	Drop NU Bomb - 15 min - Open Tool
						circ 4 hrs
1:05 - 1:12	2nd Plug				2.1	Mix 1050 lbs ML 1
	Pump				2.1	Mix 1050 lbs AM
1:26	300*				247	Mix 730 lbs down egg
2:26					5	wash pump & lines
	1000* 1st				79.5	Drop plug & displace
2:46	1200*					Plug down