



CEMENTING LOG

STAGE NO. _____

Date 7-8-13 District Oakley Ticket No. 060759
 Company Berebco Rig Berebco
 Lease Moser Well No. 3
 County Rawlins State KS
 Location 9 1 36 Field _____
McDonald 15N E. 15 into

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 4 1/2 Type new Weight 11.6 Collar _____

Casing Depths: Top KB Bottom 4591'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 4250 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.155 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type Lite
3/4 Flo-seal Excess _____

Amt. 300 Skys Yield 1.90 ft³/sk Density 12.3 PPG

TAIL: Pump Time _____ hrs. Type com 10/20 1+
20 gal 5" Gilsonite Excess _____

Amt. 200 Skys Yield 1.49 ft³/sk Density 14.5 PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 431
 Bulk Equip. 396
347

Float Equip: Manufacturer Industrial Rubber

Shoe: Type APV float shoe Depth 4591

Float: Type Latch down Depth 4546.82

Centralizers: Quantity 12 Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. 2 Baskets 208 crackers

Disp. Fluid Type Water Amt. 20.47 Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Andrew

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS | |
|-------------|-------------------|---------|-------------------|------------------------|----------------|---|---|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | | |
| <u>7:30</u> | | | | | | <u>plug mouse hole 15 sks</u> <u>plug Rat hole 30 sks</u> <u>mix 255 sks Lite</u> <u>200 sks com</u> <u>Wash pump and line clean</u> <u>drop plug</u> <u>start Displacement</u> | |
| | | | | <u>10</u> | | | |
| | | | | <u>10</u> | | | |
| | <u>500</u> | | | <u>10</u> | | | |
| | | | | <u>10</u> | | | |
| | <u>1100</u> | | | <u>10</u> | | | |
| | <u>1100</u> | | | <u>10</u> | | | |
| | <u>1700</u> | | | <u>2</u> | | | |
| <u>8:30</u> | | | | | | | <u>plug landed</u> <u>float held</u> |

FINAL DISP. PRESS: 1100 PSI BUMP PLUG TO 1700 PSI BLEEDBACK 1/2 BBLs. THANK YOU