# ALLIED
OIL & GAS SERVICES, LLC

# CEMENTING LOG

STAGE NO.

11-30-15 District Oakley KS Ticket No. 67505
Company Slawquir Exp. Rig Murt 7
Lease Campbell Well No. 1
County Sheridan State KS
Location 3-7-28 Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☒ Intermediate ☐ Production ☐ Liner ☐
Size 8 5/8 Type New Weight 24# Collar

Casing Depths: Top KB Bottom 334'

Drill Pipe: Size Weight Collars
Open Hole: Size 12 1/4 T.D. 334' ft. P.B. to ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0637 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.
Bbls/Lin. ft. Lin. ft./Bbl.
Perforations: From ft. to ft. Amt.

CEMENT DATA:
Spacer Type:
Amt. Sks Yield ft³/sk Density PPG

LEAD: Pump Time hrs. Type
Excess
Amt. Sks Yield ft³/sk Density PPG
TAIL: Pump Time hrs. Type Com 3%CC
Excess
Amt. 200 Sks Yield 1.36 ft³/sk Density 14.7 PPG
WATER: Lead 6.2 gals/sk Tail gals/sk Total Bbls.

Pump Trucks Used 472 - Wayne
Bulk Equip. 373/306 - Monty

Float Equip: Manufacturer
Shoe: Type Depth
Float: Type Depth
Centralizers: Quantity Plugs Top Btm.
Stage Collars
Special Equip.
Disp. Fluid Type water Amt. Bbls. Weight PPG
Mud Type Weight PPG

COMPANY REPRESENTATIVE CEMENTER Paul B.

| TIME AM/PM | PRESSURES PSI DRILL PIPE CASING | ANNULUS | FLUID PUMPED DATA TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | REMARKS |
|---|---|---|---|---|---|---|
| | | | | | | Hold Safety meeting |
| 7:30 | 100 | | 29.5 | 29.5 | 6 | Mix 200 sks @ 14.7# |
| | 200 | | 20 | 49.5 | 4 | Displace w/ water |
| 8:00 | | | | | | shut in swedge |
| | | | | | | cement did circ |
| | | | | | | cement in cellar only |
| | | | | | | Hold Safety meeting |

Thank You!

FINAL DISP. PRESS: PSI BUMP PLUG TO PSI BLEEDBACK BBLS. THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS

**ALLIED OIL & GAS SERVICES, LLC**

# CEMENTING LOG

STAGE NO.

Date 12-8-15 District Oakley KS Ticket No. 67506
Company Sumner Exp. Rig Murf 7
Lease Campbell Well No. 1
County Sheridan State KS
Location 3-7-28 Field

CASING DATA: Conductor ☐ PTA ☑ Squeeze ☐ Misc ☐
Surface ☐ Intermediate ☐ Production ☐ Liner ☐
Size Type Weight Collar

Casing Depths: Top Bottom

Drill Pipe: Size 4 1/2 Weight Collars
Open Hole: Size 7 7/8 T.D. 4410 ft. P.B. to 2500 ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. Lin. ft./Bbl.
Open Holes: Bbls/Lin. ft. Lin. ft./Bbl.
Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl.
Annulus: Bbls/Lin. ft. Lin. ft./Bbl.
Bbls/Lin. ft. Lin. ft./Bbl.
Perforations: From ft. to ft. Amt.

CEMENT DATA:
Spacer Type: water
Amt. Sks Yield ft³/sk Density PPG

LEAD: Pump Time hrs. Type
Excess
Amt. Sks Yield ft³/sk Density PPG
TAIL: Pump Time hrs. Type 60/40/4
1/4# F/O Excess
Amt. 255 Sks Yield 1.42 ft³/sk Density 13.80 PPG
WATER: Lead 6.9 gals/sk Tail gals/sk Total Bbls.

Pump Trucks Used 472
Bulk Equip. 891/287

Float Equip: Manufacturer Industrial
Shoe: Type Depth
Float: Type Depth
Centralizers: Quantity Plugs Top Btm.
Stage Collars
Special Equip. 8 5/8 Wooden Plug
Disp. Fluid Type Amt. Bbls. Weight PPG
Mud Type 40 vis Weight PPG

COMPANY REPRESENTATIVE CEMENTER Paul

| TIME AM/PM | PRESSURES PSI DRILL PIPE CASING | ANNULUS | FLUID PUMPED DATA TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | REMARKS |
|---|---|---|---|---|---|---|
| | | | | | | Hold Safety meeting |
| 10:50 | 700 | | 8 | 8 | 4 | Mix 50 sks @ 2500' @ 14# |
| | 300 | | 28 | 36 | 8 | Displace w/ mud |
| | 100 | | 16 | 52 | 4 | Mix 100 sks @ 1670 |
| | 100 | | 9 | 61 | 8 | Displace w/ mud |
| | 0 | | 8 | 69 | 4 | mix 50 sks @ 385' |
| | 0 | | 2 | 71 | 4 | mix 10 sks @ 40' w/ plug |
| | 0 | | 3 | 74 | 4 | mix 15 sks in M.H |
| 11:30 | 0 | | 5 | 79 | 4 | mix 30 sks in R.H |
| | | | | | | Hold Safety meeting |
| | | | | | | Thank you! |
| | | | | | | Paul |

FINAL DISP. PRESS: PSI BUMP PLUG TO PSI BLEEDBACK BBLS. THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS