



CEMENTING LOG

STAGE NO. _____

Date 8-13-16 District Oakley Ticket No. 48094
 Company Berexco Rig Beredco 1
 Lease R.A. Well No. 2-6
 County Stanton State KS

Location Le 29 40 Field _____
Johnson 1s 1/4 E N 1/4

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight _____ Collar _____

Casing Depths: Top KB Bottom 1706'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 1706 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbs/Lin. ft. 0.0637 Lin. ft./Bbl. _____
 Open Holes: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbs/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 Lite 38cc
4" Hoscon Excess _____

Amt. 580 Sks Yield 2.20 ft³/sk Density 12.07 PPG

TAIL: Pump Time _____ hrs. Type Com 38cc
 Excess _____

Amt. 150 Sks Yield 1.33 ft³/sk Density 14.90 PPG

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

Pump Trucks Used 431
 Bulk Equip. 891
818

Float Equip: Manufacturer Weatherford
 Shoe: Type Guide shoe Depth _____
 Float: Type Annulsert Depth _____
 Centralizers: Quantity 3 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Water Amt. 106 Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Andrew

| TIME AM/PM | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|---------------|-------------------|---------|-------------------|------------------------|----------------|---|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | |
| 6:20 | | | | | | start mixing cement Cement mixed Release plug start displacement |
| | | | | 10 | | |
| | | | | 10 | | |
| | 300 | | | 10 | | |
| | | | | 10 | | |
| | | | | 10 | | |
| | 500 | | | 10 | | |
| | | | | 10 | | |
| | 600 | | | 10 | | cement started circulating |
| 2:00 | 1500 | | | 7 | | plug landed float held circulated 20 bbl to pt |



Cement Job Summary

| | | | |
|-------------|--------------------|-------------|-----------------|
| Job Number: | LIB1608240310 | Job Purpose | 03 Plug |
| Customer: | Berexco LLC | | Date: 8/24/2016 |
| Well Name: | RA | Number: | 2-6 |
| County: | Stanton | City: | State: Kansas |
| Cust. Rep: | | Phone: | Rig Phone: |
| Legal Desc: | SEC-6-29S-40W | Rig Name: | BEREDCO # 1 |
| Distance | 50 miles (one way) | Supervisor | Aldo Espinosa |

| Employees: | Emp. ID: | Employees: | Emp. ID: |
|------------------|----------|------------|----------|
| ALDO ESPINOZA | | | |
| JOSE CALDERON | | | |
| CRISTIAN CAMACHO | | | |
| Equipment: | | | |
| 984- | | | |
| 994-550 | | | |
| 1080-842 | | | |

| Well Information | | | | | | |
|---------------------|------------|-----------------|-----------------------|--------|-------------|-------------|
| Tubulars | | | | | | |
| Description: | Size (in): | Wgt. (lb/ft) | ID (in) | Grade: | Top MD (ft) | Btm MD (ft) |
| PREVIOUS CASING | 8 5/8 | 24 | 8.097 | J-55 | 0 | 1,650 |
| TUBING/DRILL PIPE | 4 1/2 | 16.6 | 3.826 | J-55 | 0 | 1,730 |
| Squeeze Information | | | | | | |
| Description: | # of Perfs | Perf/Leak Depth | Packer/Retainer Depth | | | |
| Leak | 0 | | 1730 | | | |
| Perfs | | | 1730 | | | |

| Materials - Pumping Schedule | | | | | | |
|------------------------------|------------------------------------|---------------|---------------|-------------|----------------|--|
| Fluid Name | Description | Rqstd Qty | Density | Yield | Water (gal/sk) | |
| Spacer 1 | FRESH WATER | 10 | 8.30 | n/a | n/a | |
| Fluid Name | Description | Rqstd Qty | Density | Yield | Water (gal/sk) | |
| Lead 1 | ALLIED 40/60/4 POZ BLEND - CLASS A | 260 | 13.96 | 1.43 | 6.80 | |
| Add. Additive | Description | Conc. (lb/sk) | Determined by | Load Volume | UOM | |
| CGEL | GEL - BENTONITE | 3.44 | % BWOC | 894.4 | lbm | |
| Fluid Name | Description | Rqstd Qty | Density | Yield | Water (gal/sk) | |
| Disp. 4 | Displacement | 24.17229612 | 0.00 | n/a | n/a | |

| Job Number: | LIB1608240310 | Job Purpose | 03 Plug | | |
|-------------|--------------------|-------------|-------------------|------------|--|
| Customer: | Berexco LLC | | Date: 8/24/2016 | | |
| Well Name: | RA | Number: | 2-6 | | |
| County: | Stanton | City: | State: Kansas | | |
| Cust. Rep: | | Phone: | Rig Phone: 0 | | |
| Distance | 50 miles (one way) | Supervisor | Aldo Espinosa | | |
| TIME | PRESSURE - (PSI) | | FLUID PUMPED DATA | | COMMENTS |
| AM/PM | CASING | ANNULUS | VOLUME | RATE (BPM) | |
| 8/23/2016 | | | | | DATE |
| 700pm | | | | | arrive to locagtion |
| 715pm | | | | | rig up |
| 800pm | 40 | | 22.7 | 3 | right after pumping first plug, company men found out that the rig crew didn't set drill pipe where he told them @ 1730 ft |

Cement Job Summary

| | | | | | |
|-----------|----|--|------|---|---|
| | | | | | they set it at 720 ft, so circulated cement out and got more cement from yard |
| 8/24/2016 | | | | | |
| 1248am | | | | | |
| | 40 | | 22.7 | 3 | 1st plug @ 1730 ft |
| | | | 2 | 3 | pump 10 bbl water, 50 sk/12.7 bbl cement |
| | | | 17 | 3 | 2 water behind, and 17 bbl mud as displacement |
| 145am | 30 | | | | |
| | | | 17.9 | 3 | 2nd plug @ 720ft |
| | | | | | 40sk/10.2 bbl cement, 7.7 bbl displacement |
| 204am | 30 | | | | |
| | | | 13.9 | 3 | 3rd plug @ 300 ft |
| | | | | | 50sk/12.7 bbl cement, 1.2 bbl displacement |
| 230AM | 20 | | | 3 | |
| | | | 5 | | 4th plug from 60 ft to surface |
| | | | | | 20 sk/5 bbl cement |
| 255AM | | | | | |
| | | | 7.6 | 3 | Rat hole |
| | | | | | 30 sk/7.6 bbl cement |
| 310AM | | | | | |
| | | | 5 | 3 | Mouse hole |
| 320am | | | | | 20 sk/5 bbl cement |
| 330AM | | | | | wash pumping lines to pit |
| 400AM | | | | | rig down |
| | | | | | leave location |
| | | | | | thanks |