



Service Order #: 75395C

Date: 23-Aug-18

| Well Name | Location | County | St | API#         |
|-----------|----------|--------|----|--------------|
| KOOP 1-A  |          | WELD   | CO | 05-123-14463 |

| Formation | Cement Via | Type Of Service | Well Type | Age    | AFE# | PO# |
|-----------|------------|-----------------|-----------|--------|------|-----|
|           | CASING     | LINER           | GAS       | REWORK |      |     |

Customer: BISON OIL & GAS

Remarks:

\*Cement Pumped\*

Cement: 20.5 bbls / 100 sks  
- LOC: 446 - 0

\*50' of Cement left in Casing\*

Customer Rep: MARK VILLREAL

PH:

WELLBORE DATA

| Type               | Size  | Weight | Depth | Volume |
|--------------------|-------|--------|-------|--------|
| Surface Casing:    | 8.625 | 24.0   | 476.0 |        |
| Production Casing: | 5.500 | 15.5   | 446.0 |        |
| Intermediate:      |       |        |       |        |
| Drill Pipe:        |       |        |       |        |
| Tubing:            |       |        |       |        |

OTHER DATA

| BHT | Max PSI | Total Depth |
|-----|---------|-------------|
|     | 1,000   | 446.0       |

Packer or RetainerType / Depth:

Perf Depths: # Total

| Type       | Size | Depth (Top) | Depth (Bot) | Volume |
|------------|------|-------------|-------------|--------|
| Liner:     |      |             |             |        |
| Open Hole: |      |             |             |        |

| Perf Depths | # | Total |
|-------------|---|-------|
|             |   |       |
|             |   |       |
|             |   |       |

| TIME  | PUMP RATES  |            | DENSITY  | PRESS | STG TOT | TOTAL  | REMARKS                        |
|-------|-------------|------------|----------|-------|---------|--------|--------------------------------|
|       | WATER (gpm) | PUMP (bpm) | (lb/gal) | (psi) | (bbls)  | (bbls) |                                |
| 19:51 | 0           | 0.0        | 7.75     | 2,544 |         | 0.1    | PSI TEST LINES                 |
| 19:53 | 0           | 0.8        | 8.84     | 6     |         | 0.0    | PUMP SPACER                    |
| 19:56 | 0           | 2.5        | 8.84     | 313   |         | 5.0    | END SPACER - SHUT DOWN         |
| 19:58 | 0           | 0.0        | 7.26     | 0     |         | 5.0    | BATCH UP CEMENT TO 15.8 PPG    |
| 20:01 | 49          | 0.0        | 15.26    | 0     |         | 0.0    | PUMP CEMENT                    |
| 20:17 | 0           | 2.4        | 7.03     | 194   |         | 36.8   | END CEMENT - PUMPED 20.5 BBLS  |
| 20:19 | 0           | 0.0        | 11.50    | 0     |         | 36.8   | DROP PLUG                      |
| 20:24 | 0           | 0.0        | 7.64     | 0     |         | 0.0    | DISPLACE CEMENT WITH H2O       |
| 20:29 | 0           | 1.7        | 7.42     | 286   |         | 10.6   | DISPLACED 9.4 BBLS - SHUT DOWN |
| 20:31 | 0           | 0.0        | 7.00     | 117   |         | 10.7   | SHUT IN PRESSURE - WOC         |
| 20:31 | 0           | 0.0        | 7.00     | 6     |         | 10.7   | END JOB                        |

Summary

Max Fl. Rate Avg Fl. Rate Max Psi Avg Psi  
2.5 1.5 2,544 169

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

CORY THAUT

PRODUCTS USED

\*Cement: Class G (neat)  
- Density: 15.8 ppg / Yield: 1.15