

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 040003

Well Name & No. A & E ZIMMERMAN 12-1 Test No. 2 Date 10-12-10
 Company LA OPER INC Elevation 2199 KB ~~2100~~ 2194 GL
 Address 9915 West 21st North suite B Wichita Ks 67205
 Co. Rep / Geo. Randy Kilian Rig MURFIN 16
 Location: Sec. 12 Twp. 14s Rge. 20W Co. Ellis State Ks

Interval Tested 3642-3695 Zone Tested LKC IJ
 Anchor Length 53' Drill Pipe Run 3642 Mud Wt. 9.0
 Top Packer Depth 3637 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3642 Wt. Pipe Run 0 WL 8.8
 Total Depth 3695 Chlorides 2500 ppm System LCM 2

Blow Description IF: BOB, 1min
IS: No Return
FP: BOB, immediately
FS: Gas to surface while bleeding, BOB 9min

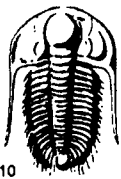
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----|---------|------|------|--------|------|
| 300 | 60 | 40% | 60% | | |
| 60 | 60 | 30% | 55% | | 15% |
| | | %gas | %oil | %water | %mud |
| | | %gas | %oil | %water | %mud |
| | | %gas | %oil | %water | %mud |

Rec Total 360 BHT 114 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1797 Test ← 1125- T-On Location 0506
 (B) First Initial Flow 24 Jars _____ T-Started 0533
 (C) First Final Flow 42 Safety Joint _____ T-Open 0723
 (D) Initial Shut-In 1283 Circ Sub _____ T-Pulled 0958
 (E) Second Initial Flow 46 Hourly Standby _____ T-Out 1254
 (F) Second Final Flow 147 Mileage ← 24 RT 30 Comments _____
 (G) Final Shut-In 1180 Sampler _____
 (H) Final Hydrostatic 1757 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1155-
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1155-

Approved By _____ Our Representative Randy Car

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 040004

4/10

Well Name & No. A & E Zimmerman 12-1 Test No. 3 Date 10-13-10
 Company IA Oper, Inc Elevation 2199 KB 2194 GL
 Address 9915 West 21st North suite B Wichita Ks 67205
 Co. Rep / Geo. Randy Kilian Rig Murfin 16
 Location: Sec. 12 Twp. 14s Rge. 20W Co. Ellis State Ks

Interval Tested 3797-3842 Zone Tested ARB
 Anchor Length 45 Drill Pipe Run 3802 Mud Wt. 9.2
 Top Packer Depth 3797 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 3842 Wt. Pipe Run 0 WL 8.8
 Total Depth 3900 Chlorides 4000 ppm System LCM 2

Blow Description FF: Fair, 7.5 inches
IS: No Return
FF: BOB, 11 min.
IS: Weak surface blow died in 50 min

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-------------|-----------|------------|-----------|----------------------------|
| <u>154</u> | <u>GIP</u> | | | | |
| <u>154</u> | <u>GO</u> | <u>10</u> | <u>90</u> | | |
| <u>124</u> | <u>BMO</u> | <u>30</u> | <u>60</u> | | <u>10</u> |
| <u>62</u> | <u>B CM</u> | <u>10</u> | <u>20</u> | | <u>70</u> |
| <u>62</u> | <u>OCMW</u> | | <u>10</u> | <u>60</u> | <u>30</u> |
| Rec Total | <u>902'</u> | BHT | <u>116</u> | Gravity | API RW @ ° F Chlorides ppm |

- (A) Initial Hydrostatic 1904
- (B) First Initial Flow 30
- (C) First Final Flow 54
- (D) Initial Shut-In 1212
- (E) Second Initial Flow 60
- (F) Second Final Flow 205
- (G) Final Shut-In 1192
- (H) Final Hydrostatic 1853

- Test ← 1125
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage ← 24 RT 30
- Sampler
- Straddle ← 1000
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1755

- T-On Location 0746
- T-Started 0830
- T-Open 1013
- T-Pulled 1348
- T-Out 1613
- Comments
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1755
- MP/DST Disc't

Approved By _____

Our Representative

Randy Kilian

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