

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket 15886

NO. 042022

JUN 15 2011

Well Name & No. Wilgers #2 Test No. 1 Date 6-9-11
 Company Chaco Energy Co. Elevation 3187 KB 3176 GL
 Address PO Box 1587 Denver CO 80201
 Co. Rep / Geo. Austin Garner Rig H2 #2
 Location: Sec. 33 Twp. 10s Rge. 33w Co. Thomas State KS

Interval Tested 4169 ~~4180~~ - 4208 Zone Tested Lans. "F"
 Anchor Length ~~39~~ 39 Drill Pipe Run ~~3928~~ 3928 Mud Wt. 9.2
 Top Packer Depth ~~4164~~ 4164 Drill Collars Run ~~242~~ 242 Vis 55
 Bottom Packer Depth ~~4169~~ 4169 Wt. Pipe Run - WL 8.0
 Total Depth 4208 Chlorides 4000 ppm System LCM 1

Blow Description IF: Blow built to BOB (11") in 10 1/4 min.
ISI: No blowback
FF: Blow built to BOB in 12 3/4 min.
FSI: No blowback

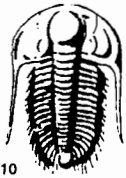
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----|----------------------|------|------|--------|------|
| 50 | MW | - | - | 60 | 40 |
| 185 | MCLW | - | - | 81 | 19 |
| 400 | SMCLW | - | - | 95 | 5 |
| | Trace of Oil in Tool | | | | |
| | | | | | |

Rec Total 635 BHT 121 Gravity - API RW .195 @ 71.5° F Chlorides 37,000 ppm

| | | |
|--------------------------------------|--|---|
| (A) Initial Hydrostatic <u>2013</u> | <input type="checkbox"/> Test <u>* 1225</u> | T-On Location <u>11:00</u> |
| (B) First Initial Flow <u>30</u> | <input type="checkbox"/> Jars <u>* 250</u> | T-Started <u>12:10</u> |
| (C) First Final Flow <u>176</u> | <input type="checkbox"/> Safety Joint <u>* 75</u> | T-Open <u>14:46</u> |
| (D) Initial Shut-In <u>1218</u> | <input checked="" type="checkbox"/> Circ Sub <u>* NA</u> | T-Pulled <u>17:19</u> |
| (E) Second Initial Flow <u>180</u> | <input checked="" type="checkbox"/> Hourly Standby | T-Out <u>20:05</u> |
| (F) Second Final Flow <u>308</u> | <input type="checkbox"/> Mileage <u>5148 RT 207.20</u> | Comments |
| (G) Final Shut-In <u>1212</u> | <input checked="" type="checkbox"/> Sampler | <input checked="" type="checkbox"/> Ruined Shale Packer |
| (H) Final Hydrostatic <u>1999</u> | <input checked="" type="checkbox"/> Straddle | <input checked="" type="checkbox"/> Ruined Packer |
| Initial Open <u>15 (open for 19)</u> | <input checked="" type="checkbox"/> Shale Packer | <input checked="" type="checkbox"/> Extra Copies |
| Initial Shut-In <u>45</u> | <input checked="" type="checkbox"/> Extra Packer | Sub Total <u>150</u> |
| Final Flow <u>30</u> | <input checked="" type="checkbox"/> Extra Recorder | Total <u>1907.20</u> |
| Final Shut-In <u>60</u> | <input checked="" type="checkbox"/> Day Standby | MP/DST Disc't |
| | <input checked="" type="checkbox"/> Accessibility <u>* 150</u> | |
| | Sub Total <u>1757.20</u> | |

Approved By _____ Our Representative James Walker

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.



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Test Ticket

NO. 042023

Well Name & No. Wilgers #2 Test No. 2 Date 6-10-11
 Company Chaco Energy Co. Elevation 3187 KB 3176 GL
 Address PO Box 1587 Denver CO 80201
 Co. Rep / Geo. Austin Garner Rig 142 #2
 Location: Sec. 33 Twp. 10s Rge. 33w Co. Thomas State KS

Interval Tested 4342 - 4350 Zone Tested LKC "J"
 Anchor Length 8 Drill Pipe Run 4083 Mud Wt. 9.2
 Top Packer Depth 4337 Drill Collars Run 242 Vis 45
 Bottom Packer Depth 4342 Wt. Pipe Run - WL 8.8
 Total Depth 4350 Chlorides 4700 ppm System LCM 1/2

Blow Description IF: Surface blow, dead at 15 min.
ISI: No blowback
FF: No blow
FSI: No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|----------|----------|------------|------------|
| <u>6</u> | <u>Mud</u> | <u>-</u> | <u>-</u> | <u>100</u> | <u>100</u> |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 6 BHT 119 Gravity - API RW - @ - °F Chlorides - ppm

| | | |
|-------------------------------------|---|---|
| (A) Initial Hydrostatic <u>2047</u> | <input type="checkbox"/> Test <u>* 1225'</u> | T-On Location <u>21:45</u> |
| (B) First Initial Flow <u>14</u> | <input type="checkbox"/> Jars <u>* 250'</u> | T-Started <u>22:15</u> |
| (C) First Final Flow <u>18</u> | <input type="checkbox"/> Safety Joint <u>* 75'</u> | T-Open <u>00:50</u> |
| (D) Initial Shut-In <u>1260</u> | <input checked="" type="checkbox"/> Circ Sub <u>* NA</u> | T-Pulled <u>2:36</u> |
| (E) Second Initial Flow <u>19</u> | <input checked="" type="checkbox"/> Hourly Standby | T-Out <u>5:00</u> |
| (F) Second Final Flow <u>21</u> | <input type="checkbox"/> Mileage <u>148RT 207.20</u> | Comments |
| (G) Final Shut-In <u>1197</u> | <input type="checkbox"/> Sampler <u>*</u> | |
| (H) Final Hydrostatic <u>2005</u> | <input checked="" type="checkbox"/> Straddle | <input checked="" type="checkbox"/> Ruined Shale Packer |
| | <input checked="" type="checkbox"/> Shale Packer | <input checked="" type="checkbox"/> Ruined Packer |
| Initial Open <u>15</u> | <input checked="" type="checkbox"/> Extra Packer | <input checked="" type="checkbox"/> Extra Copies |
| Initial Shut-In <u>30</u> | <input checked="" type="checkbox"/> Extra Recorder | Sub Total <u>150'</u> |
| Final Flow <u>30</u> | <input checked="" type="checkbox"/> Day Standby | Total <u>1907.20</u> |
| Final Shut-In <u>30</u> | <input checked="" type="checkbox"/> Accessibility <u>* 150'</u> | MP/DST Disc't |
| | Sub Total <u>1757.20</u> | |

Approved By _____ Our Representative James Winters

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 042023 Date 6-10-11

Company Name Chaco Energy Co

Lease Wilgers #2 Test No. 2

County Thomas Sec. 33 Twp. 10~~05~~ Rng. 33~~W~~

SAMPLER RECOVERY

Gas - ML

Oil trace ML

Mud 2000 ML

Water - ML

Other _____ ML

Pressure _____ ML

Total 2000 ML

PIT MUD ANALYSIS

Chlorides 4700 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 45

Mud Weight 9.2

Filtrate 8.8

Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

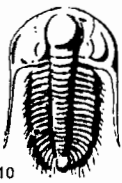
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.



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Test Ticket

NO. 042024

Well Name & No. Wilgers #2 Test No. 3 Date 6-12-11
 Company Chaco Energy Co Elevation 3187 KB 3176 GL
 Address PO Box 1587 Denver CO 80201
 Co. Rep / Geo. Austin Garner Rig H2 #2
 Location: Sec. 33 Twp. 10s Rge. 33w Co. Thomas State KS

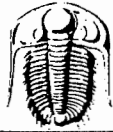
Interval Tested 4632 - 4695 Zone Tested Johnson
 Anchor Length 63 Drill Pipe Run 5364 Mud Wt. 9.3
 Top Packer Depth 4627 Drill Collars Run 242 Vis 59
 Bottom Packer Depth 4632 Wt. Pipe Run - WL 7.2
 Total Depth 4695 Chlorides 4500 ppm System LCM 1
 Blow Description IF: Surface blow through open
ISI: No blowback
FF: No blow
FSI: No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|--------------------|----------------------------|---------------|----------------|------------------|----------------|
| <u>20</u> | <u>OCM</u> | <u>3</u> | <u>13</u> | <u>-</u> | <u>84</u> |
| Rec | Feet of <u>GIP = 40'</u> | %gas | %oil | %water | %mud |
| Rec <u>Sampler</u> | Feet of <u>332 PSI</u> | %gas | %oil | %water | %mud |
| Rec | Feet of <u>1800 mL MCO</u> | <u>7</u> %gas | <u>69</u> %oil | <u>--</u> %water | <u>24</u> %mud |
| Rec | Feet of <u>200 mL Gas</u> | %gas | %oil | %water | %mud |

Rec Total 20 BHT 123 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2231 Test * 1225 T-On Location 18:45 6-12-11
 (B) First Initial Flow 22 Jars * 250 T-Started 20:01
 (C) First Final Flow 28 Safety Joint * 75 T-Open 22:58
 (D) Initial Shut-In 758 Circ Sub ANA T-Pulled 1:20
 (E) Second Initial Flow 53 } 28 at clean Hourly Standby - T-Out 4:10 6-13-11
 (F) Second Final Flow 32 } some mud up Mileage 148RT 207.20 Comments Called to pick up tools
Plugging Sampler * 250 at 6:00 6-14-11
 (G) Final Shut-In 850 Straddle - Ruined Shale Packer -
 (H) Final Hydrostatic 2188 Shale Packer - Ruined Packer -
 Initial Open 15 Extra Packer - Extra Copies -
 Initial Shut-In 30 Extra Recorder - Sub Total 950 + 207.20
 Final Flow 30 Day Standby ? 800 Total 2957.20 40
 Final Shut-In 60 Accessibility * 150 MP/DST Disc't 3164
 Sub Total 2007.20

Approved By _____ Our Representative James Winkler
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FLUID SAMPLER DATA

Ticket No. 042024 Date 6-12-11

Company Name Chaco Energy CO

Lease Wilgers #2 Test No. 3

County Thomas, KS Sec. 33 Twp. 10s Rng. 33w

SAMPLER RECOVERY

Gas 200 ML
 Oil _____ ML
 Mud (126) ML
(1242)
(432)
 Water - ML
 Other MCO 1800 69% 0.24% m ML
7% g
 Pressure 332 ML
 Total _____ ML

PIT MUD ANALYSIS

Chlorides 4500 ppm.
 Resistivity - ohms @ - F
 Viscosity 59
 Mud Weight ~~9.3~~ 9.3
 Filtrate 7.2
 Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.