



KANSAS CORPORATION COMMISSION 1081144
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3273
Name: HERMAN L. LOEB, LLC
Address 1: PO BOX 838
Address 2: _____
City: LAWRENCEVILLE State: IL Zip: 62439 + _____
Contact Person: Jesse R. Middagh
Phone: (618) 943-2227
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Jim Hall
Purchaser: Plains Marketing

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

| | | |
|-----------------------------------|-------------------|---|
| <u>05/12/2012</u> | <u>05/21/2012</u> | <u>06/26/2012</u> |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-163-24038-00-00

Spot Description: _____

SW SE NW SW Sec. 7 Twp. 10 S. R. 20 East West

1616 Feet from North / South Line of Section

688 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Rooks

Lease Name: TEMPLE 'B' Well #: 6-7

Field Name: _____

Producing Formation: Arbuckle

Elevation: Ground: 2214 Kelly Bushing: 2225

Total Depth: 3830 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 261 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1736 Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1900 ppm Fluid volume: 713 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Garriso Date: 07/11/2012



1081144

Operator Name: HERMAN L. LOEB, LLC Lease Name: TEMPLE 'B' Well #: 6-7
 Sec. 7 Twp. 10 S. R. 20 East West County: Rooks

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

| | | | | |
|---|---|---|----------------------------------|---------------------------------|
| Drill Stem Tests Taken (Attach Additional Sheets) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name Attached | Top Attached | Datum Attached |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Electric Log Run | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Electric Log Submitted Electronically (If no, Submit Copy) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| List All E. Logs Run: | | | | |
| DIL CDUCNL MEL | | | | |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12.25 | 8.625 | 23 | 261 | Allied Class A | 170 | Ticket #056114 |
| Production | 7.875 | 5.5 | 15.5 | 3829.5 | Allied Class A | 150 | Ticket #056123 |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|---------------------------------------|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| ___ Perforate | | | | |
| ___ Protect Casing | | | | |
| ___ Plug Back TD | - | | | |
| ___ Plug Off Zone | - | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-----------|
| 4 | 4 foot interval; 16 shots | Shot | 3780-3784 |
| | | Acid; 250 gal 15% MCA w/Fe Inh. | |
| | | | |
| | | | |

| | | | | |
|---|--|---------|-------------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or ENHR. 06/28/2012 | Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ | | | |
| Estimated Production Per 24 Hours | Oil Bbls. 18 | Gas Mcf | Water Bbls. 55 | Gas-Oil Ratio Gravity |

| | | |
|--|--|-------------------------------------|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.) | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: 3780 - 3784 |
|--|--|-------------------------------------|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | HERMAN L. LOEB, LLC |
| Well Name | TEMPLE 'B' 6-7 |
| Doc ID | 1081144 |

Tops

| NAME | TOP | DEPTH |
|-------------|------|-------|
| Anhydrite | 1716 | +509 |
| Topeka | 3248 | -1023 |
| Heebner | 3448 | -1223 |
| Toronto | 3470 | -1245 |
| Lansing A/B | 3488 | -1263 |
| Lansing C | 3528 | -1303 |
| Lansing F | 3570 | -1345 |
| Lansing H | 3622 | -1397 |
| Lansing I | 3644 | -1419 |
| Lansing J | 3662 | -1437 |
| Lansing K | 3678 | -1453 |
| Lansing L | 3696 | -1471 |
| B/KC | 3708 | -1483 |
| Arbuckle | 3776 | -1551 |

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: HERMAN L. LOEB LLC. TEMPLE "B" #6-7
Location: SW SE NW SW SEC. 7, T10S, R20W, ROOKS CO. KANSAS
License Number: 15-163-24038-00-00 Region: COOPER
Spud Date: 5/12/12 Drilling Completed: 5/21/12
Surface Coordinates: 1,660' FSL, 688' FWL

Bottom Hole Coordinates:

Ground Elevation (ft): 2,214 K.B. Elevation (ft): 2,225'
Logged Interval (ft): 2,900' To: 3,830' Total Depth (ft): 3,830'
Formation: RTD IN; ARBUCKLE
Type of Drilling Fluid: Native Mud to 2,808'. Chem. Gel. to RTD (3,830').

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: HERMAN L. LOEB LLC.
Address: PO BOX 838
LAWRENCEVILLE IL 62439
(812-453-0385)

GEOLOGIST

Name: James R Hall (Well Site Supervision)
Company: Black Gold Petroleum
Address: 5530 N. Sedgwick
Wichita, Kansas 67204-1828
(316) 838-2574, (316)-217-1223

Comments

Drilling contractor: Sterling Drilling, Rig #2, Pusher: Uvaldo Martinez, Spud 5/12/12. RTD (3,830').

Surface Casing: 12.25" set at 261' w/170sx, cement did circulate.

Production Casing: 5.5".

Deviation Surveys: 1.00 @ 261', 0.75 @ 3,542', 0.75 @ 3,830'.

Bit Record:

#1 12 1/4" 1.25 hrs. out @ 261'.

#2 7 7/8" JZ QX20 in @ 261', out @ 3,830', made 3,830' 93.25 hrs.

Drilling time commenced: @ 3,000'. Minimum 10' wet and dry samples commenced: @ 3,000' to 3,830'. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: Sterling, unit. #1 Tooke Daq. Hotwire gas values were lagged by the Tooke Daq and placed in the Geologic Strip Log, by the well site geologist.

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 2,808', Mud Engineer: Gary Schmidtberger.

DST CO. Trilobite, Tester: Dustin Rash (Hays).

OH Logs: Log Tech (Hays Kansas),

Operator: C. Desaire.

DIL, CDL/CNL, MEL.

Note: Correlation of the OH Logs with the Rotary drilling time indicates the OH Log depths are approximately 1 to 2 feet difference to the drilling time depths, therefore no correction was made to the gamma ray or caliper curves on this strip log.

E- Log Formation Tops: Anhydrite 1,716 (+509), Topeka 3,248 (-1023), Heebner 3,448 (-1223), Toronto 3,470 (-1245), Lansing "A" / "B" 3,488 (-1263), "C" 3,528 (-1303), "F" 3,570 (-1345), "H" 3,622 (-1397), "I" 3,644 (-1419), "J" 3,662 (-1437), "K" 3,678 (-1453), "L" 3,696 (-1471), B/KC 3708 (-1483), Arbuckle 3,776 (-1551).

DSTs

DST #1 Lansing "C" 3,508 - 3,542 30-60-45-90, IH 1713, IF 41-124 (BOB 23min), ISI 225 (No blow), FF 154-171 (11" in 45min), FSI 228 (No blow), FH 1662, Rec; 2' oil, 411' muddy water (80%water, 20%mud), Rwa 0.138 @ 72F (0.09 @ BHT), BHT 107F, Chl water 53,000 ppm, Chl last mud check 1,800 ppm.

DST #2 Lansing "E" & "F", 3,572 - 3,581 (9'), 30-60-30-60, IH 1886, IF 35-74 (weak building blow to 5"), ISI 202 (N blow), FF 89-116 (very weak blow building to 1.25"), FSI 202, FH 1725, Rec; 5' gassy oil (50%gas,50%oil), 191' muddy water (90%water, 10%mud), oil gravity 39 API, Rwa 0.135 @ 80F (0.1019 @ 106F), Chl 48,000 ppm, Chl mud 1,900 ppm.

DST #3 KC I-J-K-L: 3,634' - 3717' (83'), 15-45-45-90, IH 1793, IF 48-71 (built to 9"), ISI 335 (No blow), FF 76-103 (BOB in 18min), FSI 284 (very weak surface blow for 4 min), FH 1736, Rec; 186' gas in pipe, 170' gassy oil (50%gas, 50%oil), 80' gassy oil cut mud (10%gas, 10%oil, 80%mud), oil 42 gravity API, BHT 109.




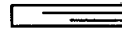
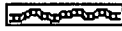


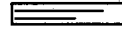
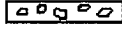
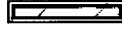

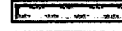




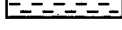

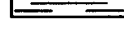
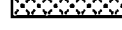
DST #4 Arbuckle: 3,781' - 3,789', 15-45-30-60, IH 1886, IF 35-53 (Built to 2.5"), ISI 518 (No blow), FF 63-87 (Built to 1.5"), FSI 498 (No blow), FH 1781, Rec; 4' gassy oil, 60' Oil cut watery mud (10%oil, 20%water,70%mud), 62' muddy water, (70%water,30%mud), Oil gravity 34 deg. Rwa 0.278 @ 76F (0.19 @ BHT), Chl 23,000ppm, mud Chl 2,000ppm, BHT 111F.

DST #5 Arbuckle: 3,791' - 3,805 (14'), 15-45-45-90, IH 1905, IF 41-126 (BOB 10min), ISI 541 (No blow), FF 147-234 (BOB 13min), FSI 521 (No blow), FH 1805, Rec; 5' gassy oil (10%gas,90%oil), 469' muddy water (90%water,10%mud), oil 34 gravity, Rwa 0.215 @ 88F (0.17 @ BHT), BHT 109F.








































































Classification

AFTER DUNHAM: GRAIN; any fossil, fossil fragment, sand grain, or other rock fragment within the rock. **MUDSTONE;** muddy carbonate rocks containing less than 10% grains. **WACKESTONE;** mud supported carbonate rocks with more than 10% grains. **PACKSTONE;** grain supported muddy carbonate rocks. **GRAINSTONE;** mud free carbonate rock, grain supported. **BOUNDSTONE;** carbonate rock bound together at deposition (coral, etc.). **CRYSTALLINE CARBONATE;** carbonate rock retaining to little of their depositional texture to be classified.
























ROCK TYPES

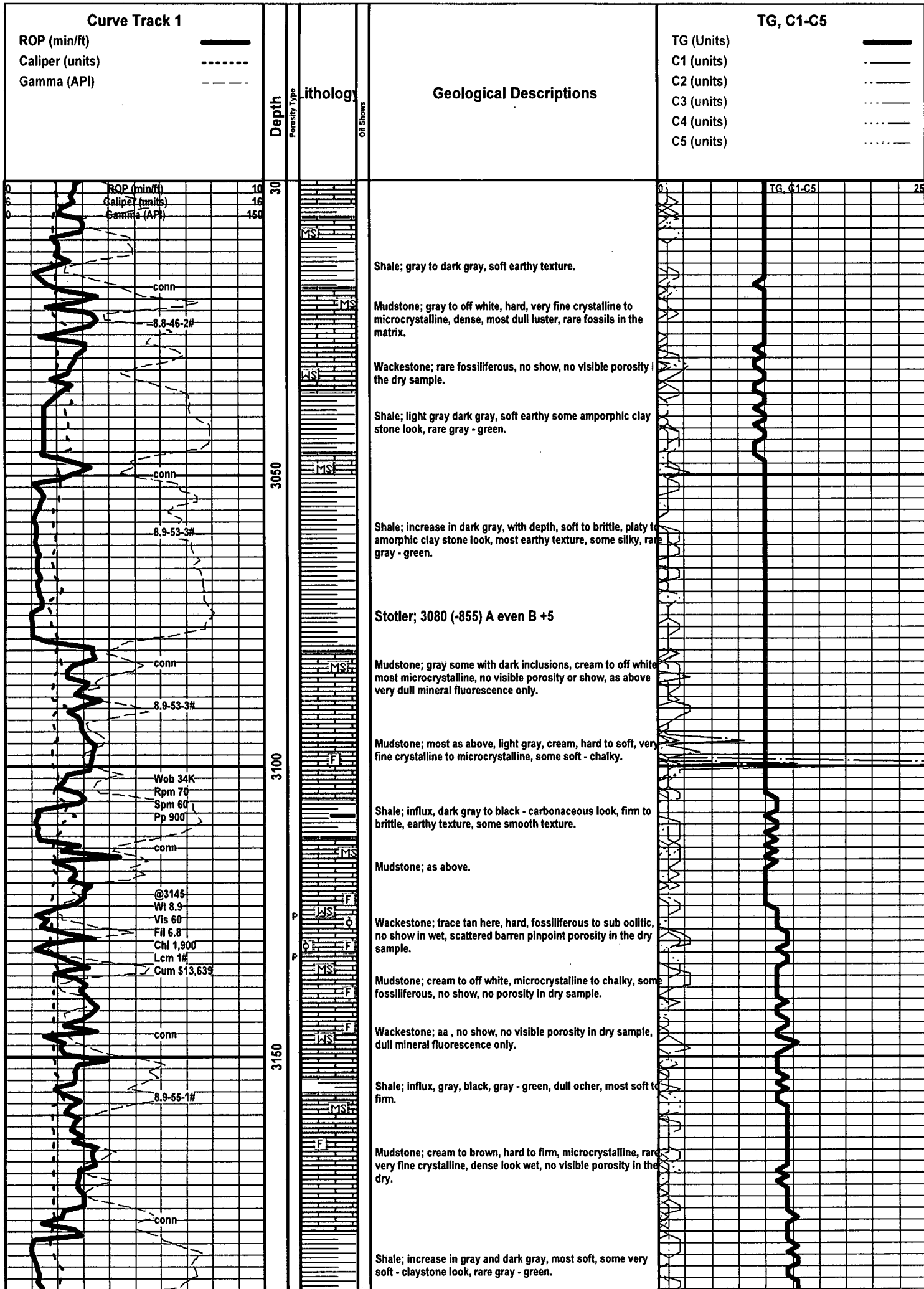
| | | | |
|---|---|---|--|
|  Anhy |  Coal |  Lmst |  Shcol |
|  Bent |  Congl |  Meta |  Shgy |
|  Brec |  Dol |  Mrlst |  Slstst |
|  Cht |  Gyp |  Salt |  Ss |
|  Clyst |  Igne |  Shale |  Till |

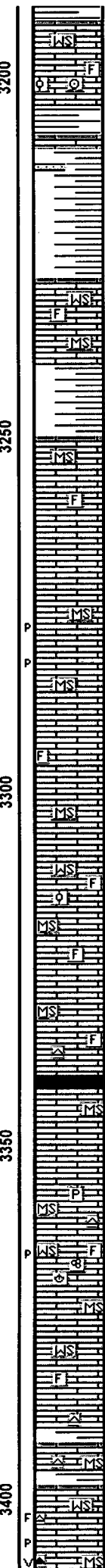
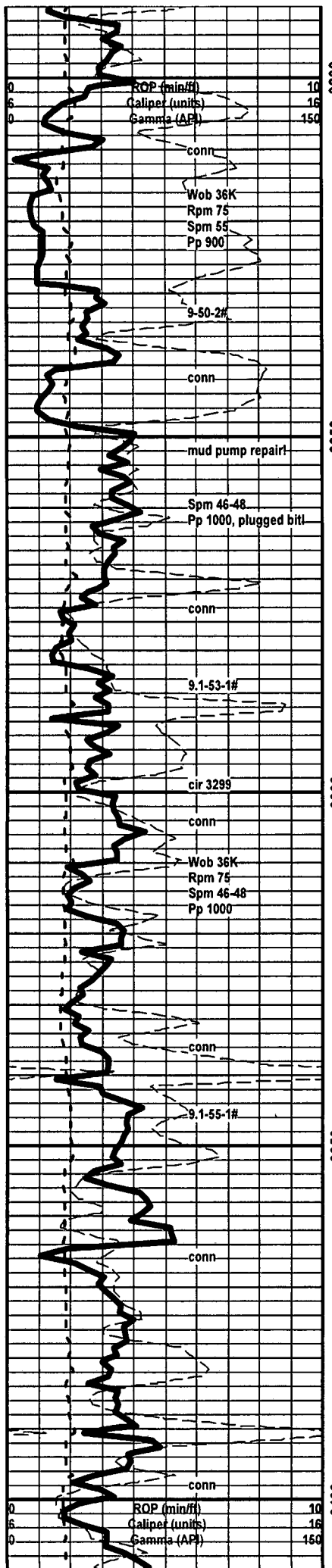
ACCESSORIES

| | | | |
|--|---|--|--|
| MINERAL |  Minxl |  Crin |  Gyp |
|  Anhy |  Nodule |  Echin |  Ls |
|  Arggrn |  Phos |  Fish |  Mrst |
|  Arg |  Pyr |  Foram |  Slststrg |
|  Bent |  Salt |  Fossil |  Ssstrg |
|  Bit |  Sandy |  Gastro | TEXTURE |
|  Brecfrag |  Silt |  Oolite |  Boundst |
|  Calc |  Sil |  Ostra |  Chalky |
|  Carb |  Sulphur |  Pelec |  Cryxln |
|  Chtdk | FOSSIL |  Pellet |  Earthy |
|  Chtlt |  Algae |  Pisolite |  Finexln |
|  Dol |  Amph |  Plant |  Grainst |
|  Feldspar |  Belm |  Strom |  Lithogr |
|  Ferrpel |  Bioclst | STRINGER |  Microxln |
|  Ferr |  Brach |  Anhy |  MS |
|  Glau |  Bryozoa |  Arg |  PS |
|  Gyp |  Cephal |  Bent |  Packst |
|  Hvymin |  Coral |  Coal |  Wackest |
|  Kaol | |  Dol | |
|  Marl | | | |

OTHER SYMBOLS

| | | | |
|--|--|---|--|
| POROSITY | SORTING |  Angular | INTERVAL |
|  Earthy |  Well | OIL SHOW |  Core |
|  Fenest |  Moderate |  Even |  Dst |
|  Fracture |  Poor |  Spotted | EVENT |
|  Inter | ROUNDING |  Ques |  Rft |
|  Moldic |  Rounded |  Dead |  Sidewall |
|  Organic |  Subrnd | | |
|  Pinpoint |  Subang | | |
|  Vuggy | | | |





Wackestone; gray to cream, fossiliferous to very small oolitic dense looking matrix in wet sample, no show in wet, one free crinoid stem, dull mineral fluorescence, no visible porosity in the wet sample.

Shale; gray, to dark gray.

Shale; small percentage increase in very colored, gray, black, red-brown, pale green, very soft to firm, earthy to smooth texture, some claystone look - amorphous, one sample of very light gray fine grained sandstone, well sorted, tight looking, no show.

Wackestone; cream to off white, firm to hard, microcrystalline to chalky, some fossils in the matrix, no show.

Shale; very colored as above.

Topeka 3250 (-1025) A even B +6

Mudstone; light gray, gray and dark gray to cream, hard to brittle, microcrystalline to chalky, scattered fossils in the matrix, no show in wet, most dense looking.

Show zone; 3276 (-1051) A even B +8

Mudstone; cream, firm to brittle, spotty light brown stain one edges, bright yellow - white fluorescence (5% show), very faint sample odor, rare visible pinpoint porosity, instant milky cut, no free oil, spotty light brown stain when broken, spotty brown stain in the dry sample, rare porosity.

Mudstone; gray to cream, hard, tight looking in wet, loss of show here.

Mudstone; aa scattered fossiliferous wackestone, no show, chalky to microcrystalline matrix, small influx, white chalky - soft mudstone.

Wackestone; tan to light brown, hard, fossiliferous to small oolites, dense looking, no show, no visible porosity.

Mudstone; off white - chalky - soft, tan to cream, hard to firm, microcrystalline to chalky matrix, some fossiliferous, no show.

Mudstone; cream to tan, microcrystalline to rare crystalline, some chalky, off white - soft - chalky, one sample with spotty brown stain, milky cut, no sample odor, rare free light gray fresh chert.

Shale; black carbonaceous, soft to brittle, no visible gas bubbles.

Mudstone; aa.

Mudstone; light gray, silky - crystalline, dense.

Mudstone; cream hard, microcrystalline to crystalline, dense, rare free white chert.

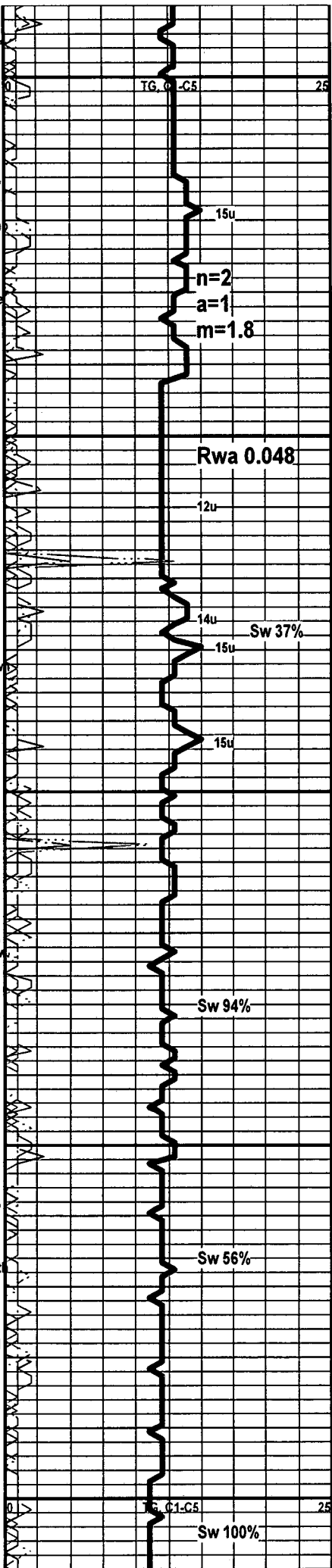
Wackestone; cream to light tan, fossiliferous, trace free brachiopod and fusulinid, no show in wet, two dry samples with spotty stain and rare pinpoint porosity.

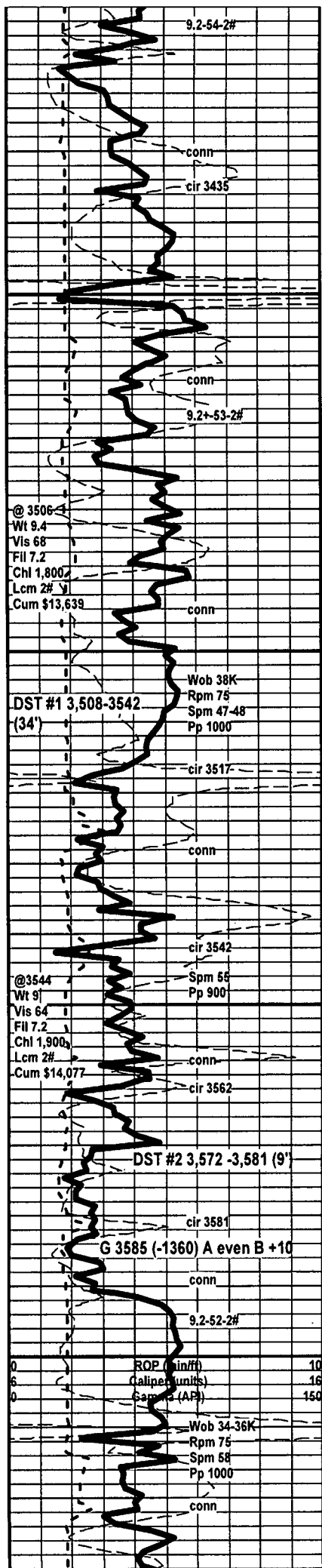
Wackestone; cream, hard to brittle, fossiliferous, dull mineral fluorescence only, looks tight wet, trace tan free chert.

Shale; most gray, some red-brown and green.

Porosity zone 3402 (-1177) A -1 B +4

Wackestone; cream to tan, microcrystalline to chalky, less than 5% with brown oil stain when broken on edges, one sample with trace brown oil when broken, dull yellow fluorescence, milky cut, no odor, some barren porosity, light and dark free chert.





Porosity zone 3418 (-1193) A +2 B +1

Wackestone; less with depth, similar show as above, no odor rare oil in pinpoint porosity and on broken edges, less show with depth, some barren porosity visible.

Mudstone; cream to tan, occasionally light gray, microcrystalline to chalky texture, dense look in wet, loss of show here, off white free chert, and light gray fossiliferous chert.

Mudstone; cream to tan, microcrystalline to crystalline, some chalky dense, scattered off white to light tan free chert.

Heebner 3450 (-1225) A +1 B +7

Shale; black, carbonaceous, rare gas bubbles, one sample off white mudstone; scattered small pinpoint and vuggy porosity with dark brown oil, odor when broken, free oil when broken, cave?

Shale; red, red - brown, pale green, most soft, some claystone look.

Toronto 3471 (-1246) A +1 B +10

Mudstone; cream to tan and off white, hard, microcrystalline to crystalline, dense, rare glauconite, mixed with scattered fossiliferous wackestone, no show in wet.

Lansing A/B 3491 (-1266) A even B +8

Wackestone; fossiliferous, most off white, hard, some light to trace show of light brown stain on edge, one sample with secondary minerals and spotty stain, dull fluorescence, milky cut, very faint sample odor, no free oil, rare porosity in dry, some with spotty stain, most barren.

Mudstone; cream, off white to very light gray, hard to firm, chalky to crystalline, dense look, one sample show from above, loss of sample odor here, free light chert.

Shale; most gray, black, mixed with green, red, and brown.

Lansing C 3529 (-1304) A +1 B +12

Wackestone; off white to cream, brittle to firm, spotty to even light brown stain, scattered free oil when some are broken, milky cut, slight sample odor, scattered very small pinpoint to vuggy porosity, some look barren, rare secondary minerals filling porosity and on edges,, less than 5% show.

Lansing D 3551 (-1326) A -2 B +6

Wackestone; cream to off white, fossiliferous, hard to firm, microcrystalline to chalky matrix, rare sample show, spotty brown and black stain on edges and rare pinpoint porosity, rare visible oil in pore space, milky cut, no sample odor, poor show!

Lansing E 3566 (-1341) A even B +5

Lansing F 3572 (-1374) A +2 B +11

Wackestone; fossiliferous, cream, off white, firm-hard, microcrystalline to chalky matrix, small pinpoint porosity, fill with brown oil and light brown stain, rare free brown oil in trace free oil when broken, fair sample odor, scattered barren porosity, rare secondary minerals in porosity and on weathered edges, less than 5% total show.

Wackestone; fossiliferous to scattered oolitic, dense looking, rare show, black to brown spotty stain on weathered edges, no odor, no free oil w/broken.

Mudstone; off white, cream, most crystalline - silky texture, dense.

Mudstone; most as above, slight influx off white/mottled light gray to light gray, dense, rare wormy black stain.

Shale; gray, gray-green, black, red some calcareous.

H 3625 (-1400) A even B +8

Wackestone; cream to off white, fossiliferous, free gray and cream chert inclusions, hard, epoxy stain and brown oil when broken.

Sw 70%

n=2
a=1
m=1.8

17u

Rwa 0.047

Sw 75%

Sw 80%

14u

Scale Change
TG, C1-C5

Note gas scale change!

13u

Sw 52%

26u +14u

14u

18u recycle?

Sw 100%

65u +35u

Sw 50%

78u +33u

Sw 100%

TG, C1-C5

100

check zero!



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

760 Temple
6420

INVOICE

Invoice Number: 131148
Invoice Date: May 12, 2012
Page: 1



| |
|--|
| Bill To: |
| Herman L. Loeb LLC P O Box 838 Lawrenceville, IL 62439 |

| Customer ID | Well Name# or Customer P.O. | Payment Terms | |
|--------------|-----------------------------|---------------|----------|
| Loeb | Temple B-6-7 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS2-01 | Russell | May 12, 2012 | 6/11/12 |

| Quantity | Item | Description | Unit Price | Amount |
|----------|------------|-----------------------|------------|----------|
| 150.00 | MAT | Class A Common | 16.25 | 2,437.50 |
| 3.00 | MAT | Gel | 21.25 | 63.75 |
| 5.00 | MAT | Chloride | 58.20 | 291.00 |
| 162.00 | SER | Cubic Feet | 2.10 | 340.20 |
| 222.00 | SER | Ton Miles | 2.35 | 521.70 |
| 1.00 | SER | Surface | 1,125.00 | 1,125.00 |
| 30.00 | SER | Heavy Vehicle Mileage | 7.00 | 210.00 |
| 30.00 | SER | Light Vehicle Mileage | 4.00 | 120.00 |
| 1.00 | CEMENTER | Todd Milarch | | |
| 1.00 | EQUIP OPER | Tony Pfannenstiel | | |
| 1.00 | EQUIP OPER | Robert Yakubovich | | |

PAID
30155
MAY 24 2012
SCANNED

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1277.29

ONLY IF PAID ON OR BEFORE
Jun 6, 2012

| | |
|------------------------|-----------------|
| Subtotal | 5,109.15 |
| Sales Tax | 175.91 |
| Total Invoice Amount | 5,285.06 |
| Payment/Credit Applied | |
| TOTAL | 5,285.06 |

4007.77

ALLIED OIL & GAS SERVICES, LLC 056114

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

| DATE | SEC. | TWP. | RANGE | CALLED OUT | ON LOCATION | JOB START | JOB FINISH |
|------------------------------------|------|---------------------|-------|-----------------------------------|-------------|---------------------|-----------------|
| 5-12-12 | | | | | | 8:00 | 8:00 |
| LEASE <u>Temple</u> | | WELL # <u>B-167</u> | | LOCATION <u>Pack 3 to AA W 13</u> | | COUNTY <u>Reels</u> | STATE <u>KS</u> |
| OLD OR NEW (Circle one) <u>NEW</u> | | | | N Into | | | |

CONTRACTOR sterling #2
 TYPE OF JOB surface
 HOLE SIZE 12 1/2 T.D. 261
 CASING SIZE 8 1/2 2 1/4 DEPTH 216.02
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 15
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 15 1/2 bbl

OWNER _____
 CEMENT AMOUNT ORDERED 170 sk 2600 A
37.00 22.621
 COMMON 150 @ 16.26 2437.50
 POZMIX _____ @ _____ _____
 GEL 3 @ 21.20 63.60
 CHLORIDE 5 @ 38.20 191.00
 ASC _____ @ _____ _____

EQUIPMENT
 PUMP TRUCK CEMENTER Todd
 # 409 HELPER Tony
 BULK TRUCK _____
 # 481 DRIVER Robert
 BULK TRUCK _____
 # _____ DRIVER _____

HANDLING 162 @ 2.10 340.20
 MILEAGE 222 @ 2.35 521.70
drayage TOTAL 3654.15

REMARKS:
run 6 1/2" 2 1/4" 1st of 261
Establish circulation mix 170 sk cement
37.00 22.62 & 15.64 displaced 15 1/2 bbl
shot in well.
plug down at 8:00
cement did circulate to surface
Thanked

SERVICE

DEPTH OF JOB 261
 PUMP TRUCK CHARGE _____ 1125
 EXTRA FOOTAGE _____ @ _____ _____
 MILEAGE MHV 30 @ 7.00 210.00
 MANIFOLD _____ @ _____ _____
Yolo milv 20 @ 4.00 120.00
Yolo surdy 200 @ 3.25 650.00
 TOTAL 1455.00

CHARGE TO: Herman 1260 LLC
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

| | | |
|--|---|--|
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
 SIGNATURE Robert Nye

TOTAL _____
 SALES TAX (if Any) 175.91
 TOTAL CHARGES 5109.15
 DISCOUNT 1277.29 IF PAID IN 30 DAYS

Bid



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

760 Temple
6420

INVOICE

Invoice Number: 131269
Invoice Date: May 22, 2012
Page: 1



| |
|--|
| Bill To: |
| Herman L. Loeb LLC P O Box 838 Lawrenceville, IL 62439 |

| Customer ID | Well Name# or Customer P.O. | Payment Terms | |
|--------------|-----------------------------|---------------|----------|
| Loeb | Temple B 6-7 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS2-04 | Russell | May 22, 2012 | 6/21/12 |

| Quantity | Item | Description | Unit Price | Amount |
|----------|-------------|--------------------------------|------------|----------|
| 200.00 | MAT | ASC | 19.00 | 3,800.00 |
| 1,200.00 | MAT | Gilsonite | 0.89 | 1,068.00 |
| 1,000.00 | MAT | Mud Flush | 1.27 | 1,270.00 |
| 293.58 | SER | Cubic Feet | 2.10 | 616.50 |
| 384.77 | SER | Ton Miles | 2.35 | 904.20 |
| 1.00 | SER | Port Collar | 2,225.00 | 2,225.00 |
| 30.00 | SER | Heavy Vehicle Mileage | 7.00 | 210.00 |
| 30.00 | SER | Light Vehicle Mileage | 4.00 | 120.00 |
| 5.00 | SER | Wait Time | 300.00 | 1,500.00 |
| 1.00 | EQP | 5 1/2 Port Collar | 1,820.00 | 1,820.00 |
| 1.00 | EQP | 5 1/2 Guide Shoe | 168.00 | 168.00 |
| 1.00 | EQP | 5 1/2 Latch Down Plug | 194.00 | 194.00 |
| 10.00 | EQP | 5 1/2 Centralizers | 34.00 | 340.00 |
| 2.00 | EQP | 5 1/2 Baskets | 236.00 | 472.00 |
| 6.00 | EQP | 5 1/2 Reciprocating Scratchers | 118.00 | 708.00 |
| 1.00 | CEMENTER | Todd Milarch | | |
| 1.00 | EQUIP OPER | Woody O'Neil | | |
| 1.00 | OPER ASSIST | Cody Hoss | | |

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$3853.92

ONLY IF PAID ON OR BEFORE
Jun 16, 2012

| | |
|------------------------|------------------|
| Subtotal | 15,415.70 |
| Sales Tax | 619.92 |
| Total Invoice Amount | 16,035.62 |
| Payment/Credit Applied | |
| TOTAL | 16,035.62 |

12,181.70

ALLIED OIL & GAS SERVICES, LLC 056123

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

| | | | | | | | |
|-------------------------|---------------------|--|--------------------|-----------------|-------------|-----------------------|------------------------|
| DATE <u>5-22-12</u> | SEC <u>7</u> | TWP <u>10s</u> | RANGE <u>2D</u> | CALLED OUT | ON LOCATION | JOB START <u>3:30</u> | JOB FINISH <u>4:30</u> |
| LEASE <u>Temple</u> | WELL # <u>B 6-7</u> | LOCATION <u>Palto 6th Ave 1st W N10W</u> | COUNTY <u>Rush</u> | STATE <u>KS</u> | | | |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR Stark's Drilling #2

TYPE OF JOB Pit Lifter

HOLE SIZE 7 1/2" T.D. 3800

CASING SIZE 5 1/2" DEPTH 3800.03

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL Pit Lifter DEPTH 1727

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 17

CEMENT LEFT IN CSG. 17

PERFS.

DISPLACEMENT 42.5 BBL

OWNER

CEMENT

AMOUNT ORDERED 200 sk AKC

+ 6 sk Gilchrist Perfor

EQUIPMENT

PUMP TRUCK CEMENTER Jay

417 HELPER NDDK

BULK TRUCK

401 DRIVER Lody

BULK TRUCK

DRIVER

com - 1-6, 8149

Bus - 7-50

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @ 19.18 3800.00

Gilchrist @ 2.89 1066.2

mid Elmer 1000 Gal @ 12.7 1270.0

HANDLING 2.74 @ 2.26 616.52

MILEAGE 8220 @ .11 904.20

TOTAL 7658.70

REMARKS:

ran 9 1/2" 5 1/2" back circulation of 5 1/2" circulated on bottom 1 hr. mixed 1000 gal mud flush, mix 60% m. m. with water. max 150 ft down hole, washed line. Also Displacement 90.5 gal @ 1700 cc placed program. Plug held!

Phs down at 1700 ft

SERVICE

DEPTH OF JOB 2235.00

PUMP TRUCK CHARGE

EXTRA FOOTAGE

MILEAGE MLV @ 7.00 210.00

MANIFOLD CMHD @ 200.00 400.00

MLV @ 4.00 160.00

WTM 3hr @ 300.00 900.00

TOTAL 4055.00

CHARGE TO: Herman Lobb LLC

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1/2 Pit Lifter @ 1020

Guide shoe @ 165

latch down @ 194

Centralizers 10 @ 34 340

Anchor @ 236 472

Relief Valve 11B 708

TOTAL 3762.00

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) 389.02

TOTAL CHARGES 15415.70

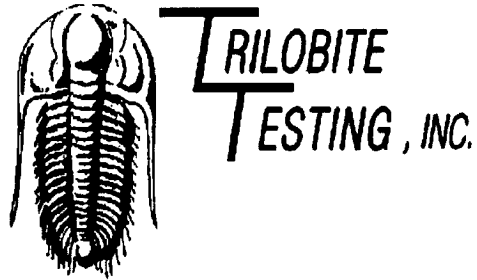
DISCOUNT 25 3853.92 IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE Robert Stark

RS
5-23

On The Surface The Lobb Group



DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Jim Hall

Temple "B" 6-7

7-10s-20w Rooks,KS

Start Date: 2012.05.17 @ 17:44:15

End Date: 2012.05.18 @ 03:19:15

Job Ticket #: 47235 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.23 @ 08:57:10

Herman L. Loeb, LLC 7-10s-20w Rooks,KS Temple "B" 6-7 DST # 1 Lansing "C" 2012.05.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

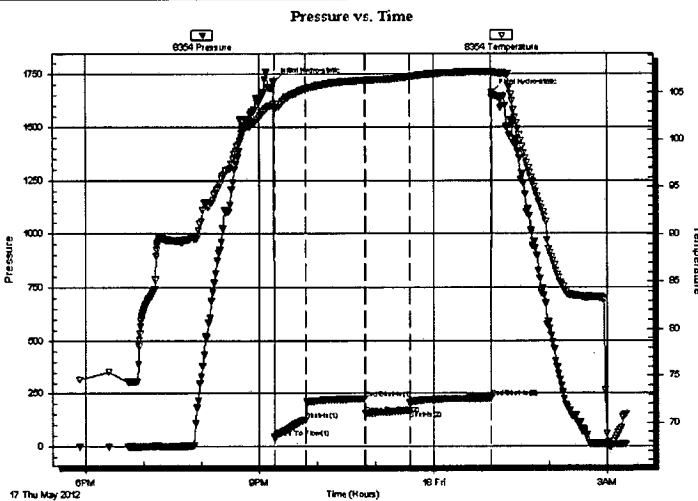
7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47235 **DST#: 1**
Test Start: 2012.05.17 @ 17:44:15

GENERAL INFORMATION:

Formation: **Lansing "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:15:45
Time Test Ended: 03:19:15
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Interval: **3508.00 ft (KB) To 3542.00 ft (KB) (TVD)**
Reference Elevations: 2225.00 ft (KB)
Total Depth: 3542.00 ft (KB) (TVD) 2214.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8354 Inside
Press@RunDepth: 171.16 psig @ 3510.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.05.17 End Date: 2012.05.18 Last Calib.: 2012.05.18
Start Time: 17:54:15 End Time: 03:19:15 Time On Btm: 2012.05.17 @ 21:15:15
Time Off Btm: 2012.05.18 @ 01:01:45

TEST COMMENT: IF-Weak building blow . BOB in 23 minutes.
ISI-No Return.
FF-Very weak building blow . Built to 11 inches.
FS-No Return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1713.38 | 103.83 | Initial Hydro-static |
| 1 | 41.03 | 103.50 | Open To Flow (1) |
| 33 | 124.36 | 105.41 | Shut-In(1) |
| 93 | 224.68 | 106.30 | End Shut-In(1) |
| 94 | 154.03 | 106.28 | Open To Flow (2) |
| 140 | 171.16 | 106.70 | Shut-In(2) |
| 225 | 227.76 | 107.21 | End Shut-In(2) |
| 227 | 1661.70 | 107.17 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 411.00 | 80%Water/20%Mud | 2.86 |
| 2.00 | 100%Oil | 0.03 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
 PO Box 838
 Lawrenceville, IL 62439
 ATTN: Jim Hall

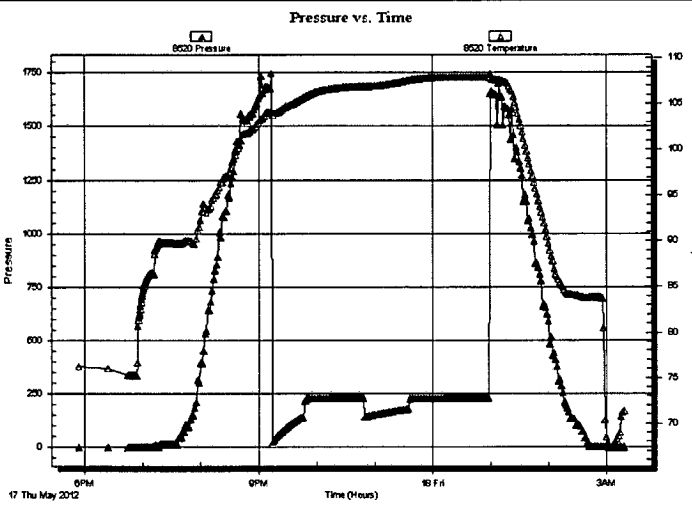
7-10s-20w Rooks,KS
Temple "B" 6-7
 Job Ticket: 47235 **DST#: 1**
 Test Start: 2012.05.17 @ 17:44:15

GENERAL INFORMATION:

Formation: **Lansing "C"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 21:15:45
 Tester: Dustin Rash
 Time Test Ended: 03:19:15
 Unit No: 38
 Interval: **3508.00 ft (KB) To 3542.00 ft (KB) (TVD)**
 Reference Elevations: 2225.00 ft (KB)
 Total Depth: 3542.00 ft (KB) (TVD)
 2214.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 11.00 ft

Serial #: 8520 Outside
 Press@RunDepth: psig @ 3510.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2012.05.17 End Date: 2012.05.18 Last Calib.: 2012.05.18
 Start Time: 17:54:30 End Time: 03:19:00
 Time On Btm:
 Time Off Btm:

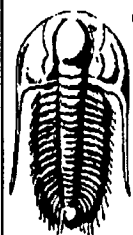
TEST COMMENT: IF-Weak building blow . BOB in 23 minutes.
 IS-No Return.
 FF-Very weak building blow . Built to 11 inches.
 FS-No Return.



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|------------|
| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
| | | | |
| | | | |
| | | | |

| Recovery | | |
|-------------|-----------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 411.00 | 80%Water/20%Mud | 2.86 |
| 2.00 | 100%Oil | 0.03 |
| | | |
| | | |
| | | |
| | | |

| Gas Rates | | | |
|-----------|----------------|-----------------|------------------|
| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
| | | | |
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks, KS
Temple "B" 6-7
Job Ticket: 47235 **DST#: 1**
Test Start: 2012.05.17 @ 17:44:15

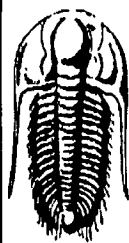
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3174.00 ft | Diameter: 3.80 inches | Volume: 44.52 bbl | Tool Weight: 3000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 319.00 ft | Diameter: 2.25 inches | Volume: 1.57 bbl | Weight to Pull Loose: 5000.00 lb |
| | | | <u>Total Volume: 46.09 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 13.00 ft | | | String Weight: Initial 75000.00 lb |
| Depth to Top Packer: | 3508.00 ft | | | Final 75000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 34.00 ft | | | |
| Tool Length: | 62.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3481.00 | |
| Shut In Tool | 5.00 | | | 3486.00 | |
| Hydraulic tool | 5.00 | | | 3491.00 | |
| Jars | 5.00 | | | 3496.00 | |
| Safety Joint | 3.00 | | | 3499.00 | |
| Packer | 5.00 | | | 3504.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3508.00 | |
| Stubb | 1.00 | | | 3509.00 | |
| Perforations | 1.00 | | | 3510.00 | |
| Recorder | 0.00 | 8354 | Inside | 3510.00 | |
| Recorder | 0.00 | 8520 | Outside | 3510.00 | |
| Perforations | 29.00 | | | 3539.00 | |
| Bullnose | 3.00 | | | 3542.00 | 34.00 Bottom Packers & Anchor |

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47235 **DST#: 1**
Test Start: 2012.05.17 @ 17:44:15

Mud and Cushion Information

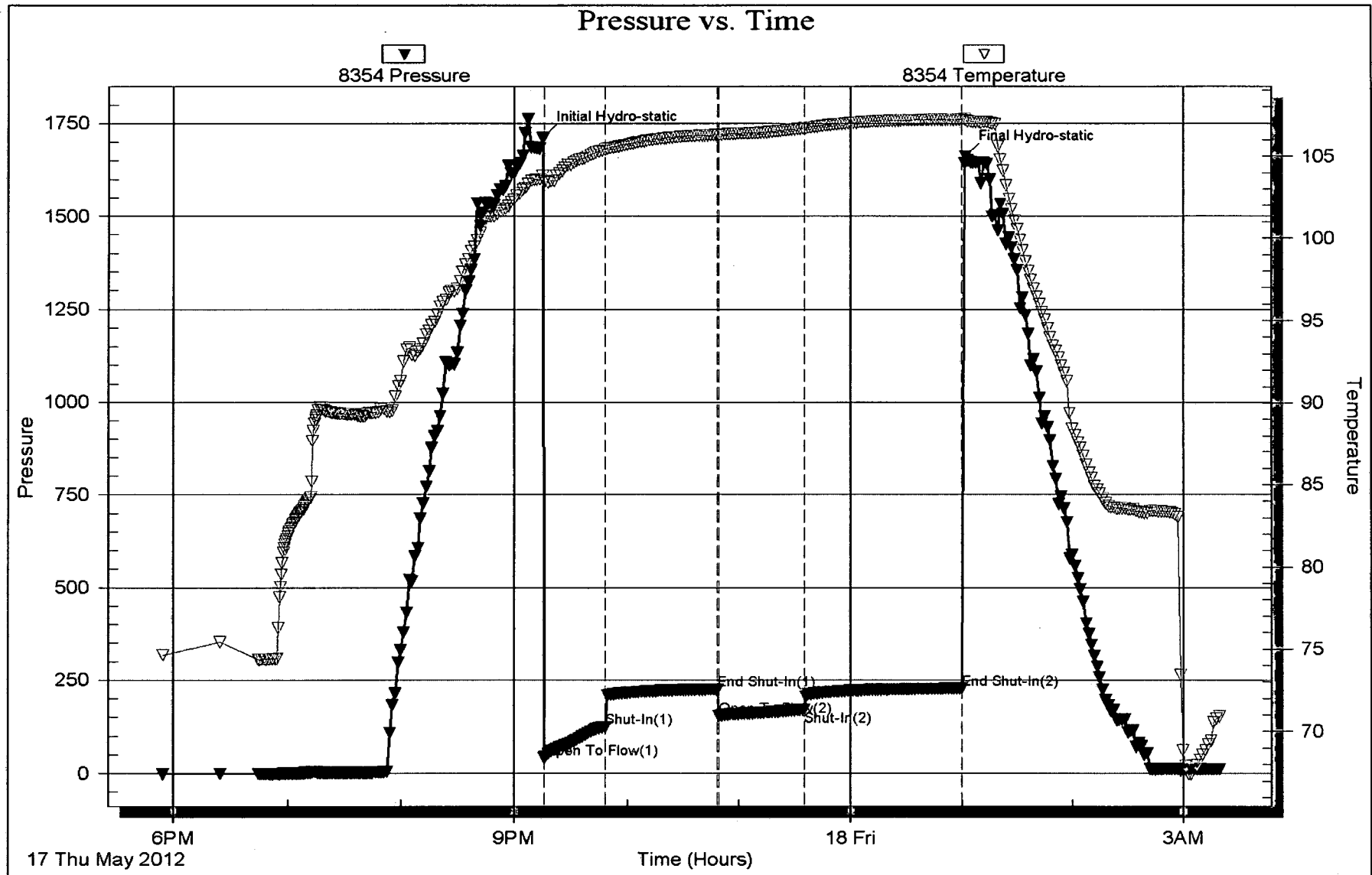
| | | | |
|----------------------------------|----------------------------|-----------------|-----------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | 53000 ppm |
| Viscosity: 68.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.16 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.14 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1800.00 ppm | | | |
| Filter Cake: inches | | | |

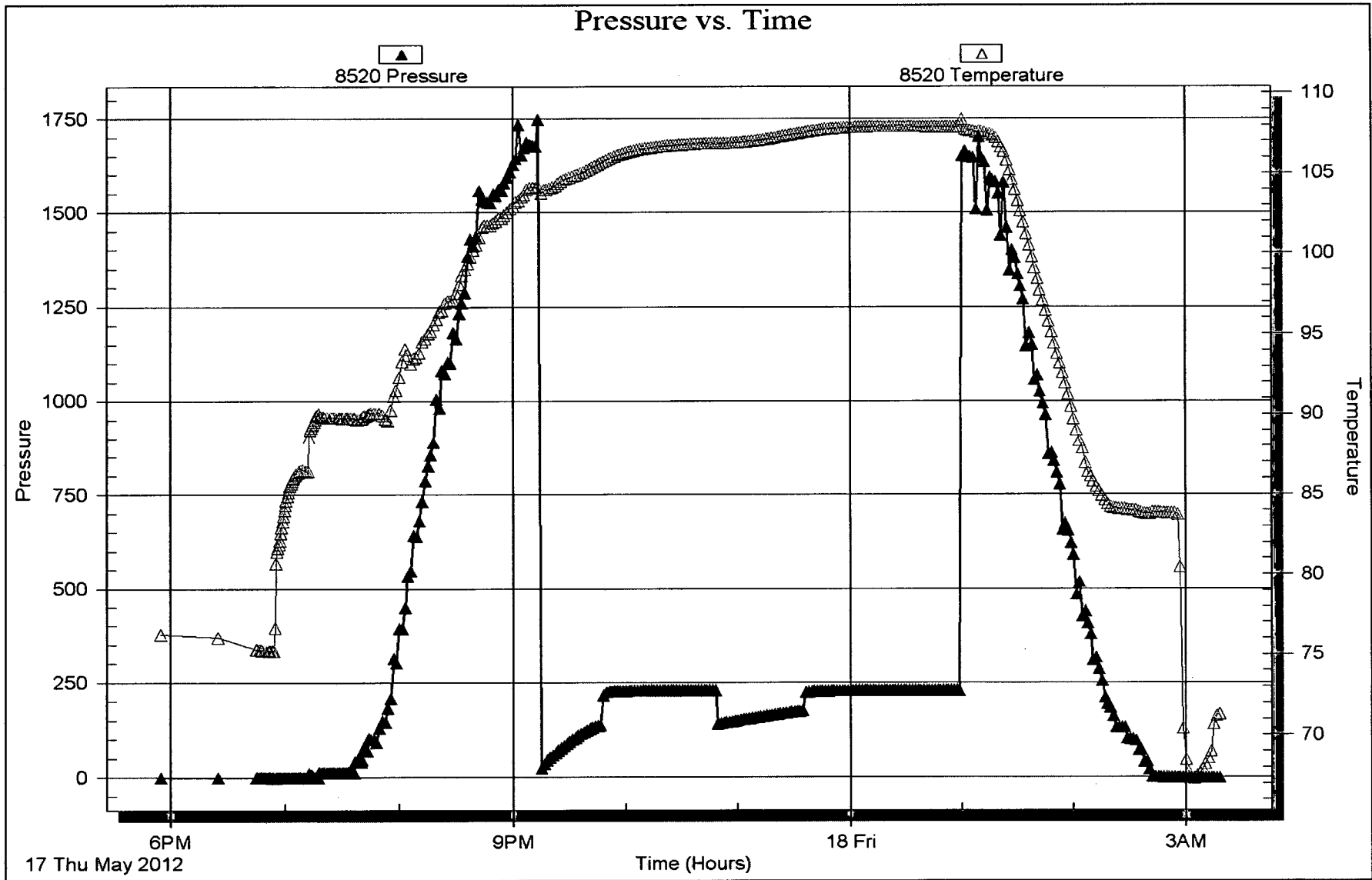
Recovery Information

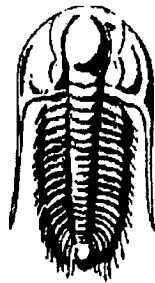
Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------|---------------|
| 411.00 | 80%Water/20%Mud | 2.859 |
| 2.00 | 100%Oil | 0.028 |

Total Length: 413.00 ft Total Volume: 2.887 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Jim Hall

Temple "B" 6-7

7-10s-20w Rooks,KS

Start Date: 2012.05.18 @ 13:54:30

End Date: 2012.05.18 @ 21:03:30

Job Ticket #: 47236 DST #: 2

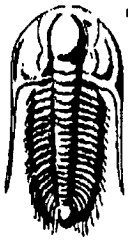
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.23 @ 08:56:32

Herman L. Loeb, LLC 7-10s-20w Rooks,KS Temple "B" 6-7 DST # 2 Lansing "E-F" 2012.05.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
 PO Box 838
 Lawrenceville, IL 62439
 ATTN: Jim Hall

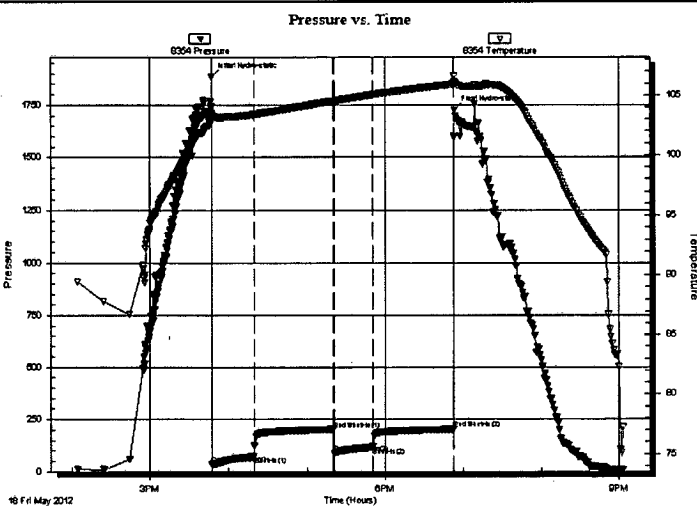
7-10s-20w Rooks, KS
Temple "B" 6-7
 Job Ticket: 47236 **DST#: 2**
 Test Start: 2012.05.18 @ 13:54:30

GENERAL INFORMATION:

Formation: **Lansing "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:47:20
 Time Test Ended: 21:03:30
 Interval: **3572.00 ft (KB) To 3581.00 ft (KB) (TVD)**
 Total Depth: 3581.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2225.00 ft (KB)
 2214.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**
 Press@RunDepth: 115.62 psig @ 3574.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.18 End Date: 2012.05.18 Last Calib.: 2012.05.18
 Start Time: 14:04:30 End Time: 21:03:30 Time On Btm: 2012.05.18 @ 15:47:10
 Time Off Btm: 2012.05.18 @ 18:53:30

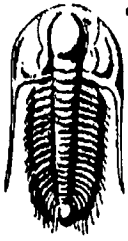
TEST COMMENT: IF-Weak building blow . Built to 5 inches.
 IS-No Return.
 FF-Very weak surface blow after 10 minutes. Built to 1&1/4 inches.
 FS-No Return.



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
| 0 | 1885.98 | 103.47 | Initial Hydro-static |
| 1 | 34.59 | 102.91 | Open To Flow (1) |
| 33 | 74.16 | 103.38 | Shut-In(1) |
| 94 | 201.99 | 104.51 | End Shut-In(1) |
| 94 | 89.47 | 104.48 | Open To Flow (2) |
| 124 | 115.62 | 105.01 | Shut-In(2) |
| 186 | 202.47 | 105.92 | End Shut-In(2) |
| 187 | 1725.04 | 106.09 | Final Hydro-static |

| Recovery | | |
|-------------|-----------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 191.00 | 90%Water/10%Mud | 0.94 |
| 5.00 | 50%Gas/50%Oil | 0.02 |
| | | |
| | | |
| | | |

| Gas Rates | | | |
|-----------|----------------|-----------------|------------------|
| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
| | | | |
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

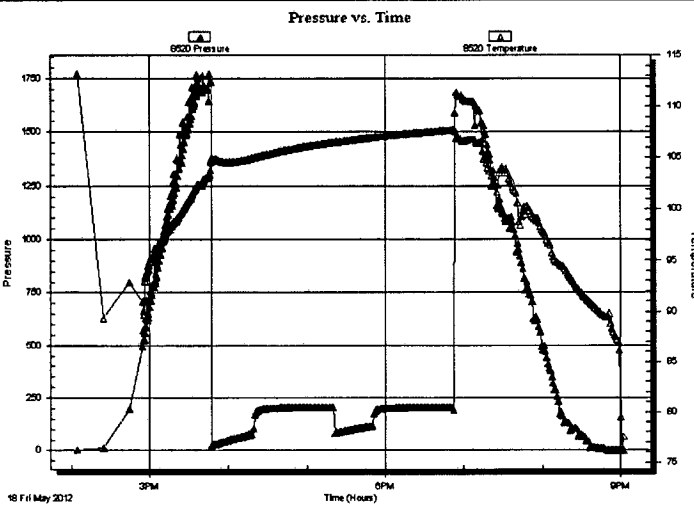
7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47236 **DST#: 2**
Test Start: 2012.05.18 @ 13:54:30

GENERAL INFORMATION:

Formation: **Lansing "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:47:20
Time Test Ended: 21:03:30
Interval: **3572.00 ft (KB) To 3581.00 ft (KB) (TVD)**
Total Depth: 3581.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2225.00 ft (KB)
2214.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8520 Outside
Press@RunDepth: psig @ 3574.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.05.18 End Date: 2012.05.18 Last Calib.: 2012.05.18
Start Time: 14:04:45 End Time: 21:02:45 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-Weak building blow . Built to 5 inches.
IS-No Return.
FF-Very weak surface blow after 10 minutes. Built to 1&1/4 inches.
FS-No Return.



PRESSURE SUMMARY

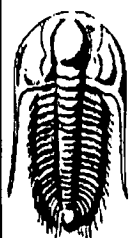
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 191.00 | 90%Water/10%Mud | 0.94 |
| 5.00 | 50%Gas/50%Oil | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47236 **DST#: 2**
Test Start: 2012.05.18 @ 13:54:30

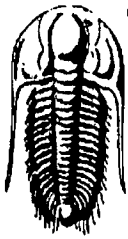
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3307.00 ft | Diameter: 3.80 inches | Volume: 46.39 bbl | Tool Weight: 3000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 248.00 ft | Diameter: 2.25 inches | Volume: 1.22 bbl | Weight to Pull Loose: 5000.00 lb |
| | | | <u>Total Volume: 47.61 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 11.00 ft | | | String Weight: Initial 75000.00 lb |
| Depth to Top Packer: | 3572.00 ft | | | Final 75000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 9.00 ft | | | |
| Tool Length: | 37.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-----------------------------------|
| Change Over Sub | 1.00 | | | 3545.00 | |
| Shut In Tool | 5.00 | | | 3550.00 | |
| Hydraulic tool | 5.00 | | | 3555.00 | |
| Jars | 5.00 | | | 3560.00 | |
| Safety Joint | 3.00 | | | 3563.00 | |
| Packer | 5.00 | | | 3568.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3572.00 | |
| Stubb | 1.00 | | | 3573.00 | |
| Perforations | 1.00 | | | 3574.00 | |
| Recorder | 0.00 | 8354 | Inside | 3574.00 | |
| Recorder | 0.00 | 8520 | Outside | 3574.00 | |
| Perforations | 4.00 | | | 3578.00 | |
| Bullnose | 3.00 | | | 3581.00 | 9.00 Bottom Packers & Anchor |

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47236 **DST#: 2**
Test Start: 2012.05.18 @ 13:54:30

Mud and Cushion Information

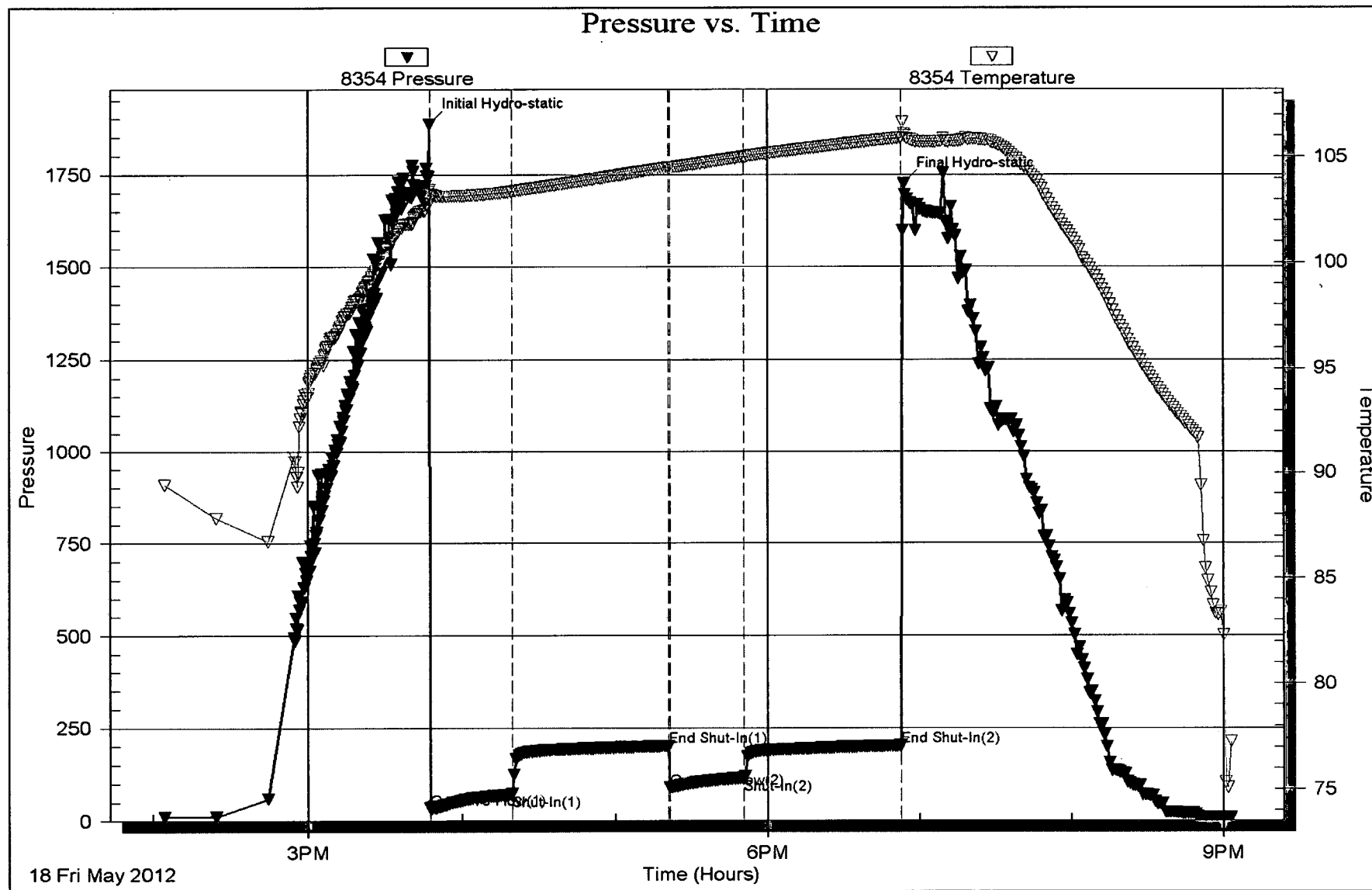
| | | |
|----------------------------------|----------------------------|---------------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 39 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: 48000 ppm |
| Viscosity: 64.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 7.17 in ³ | Gas Cushion Type: | |
| Resistivity: 0.14 ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 1900.00 ppm | | |
| Filter Cake: inches | | |

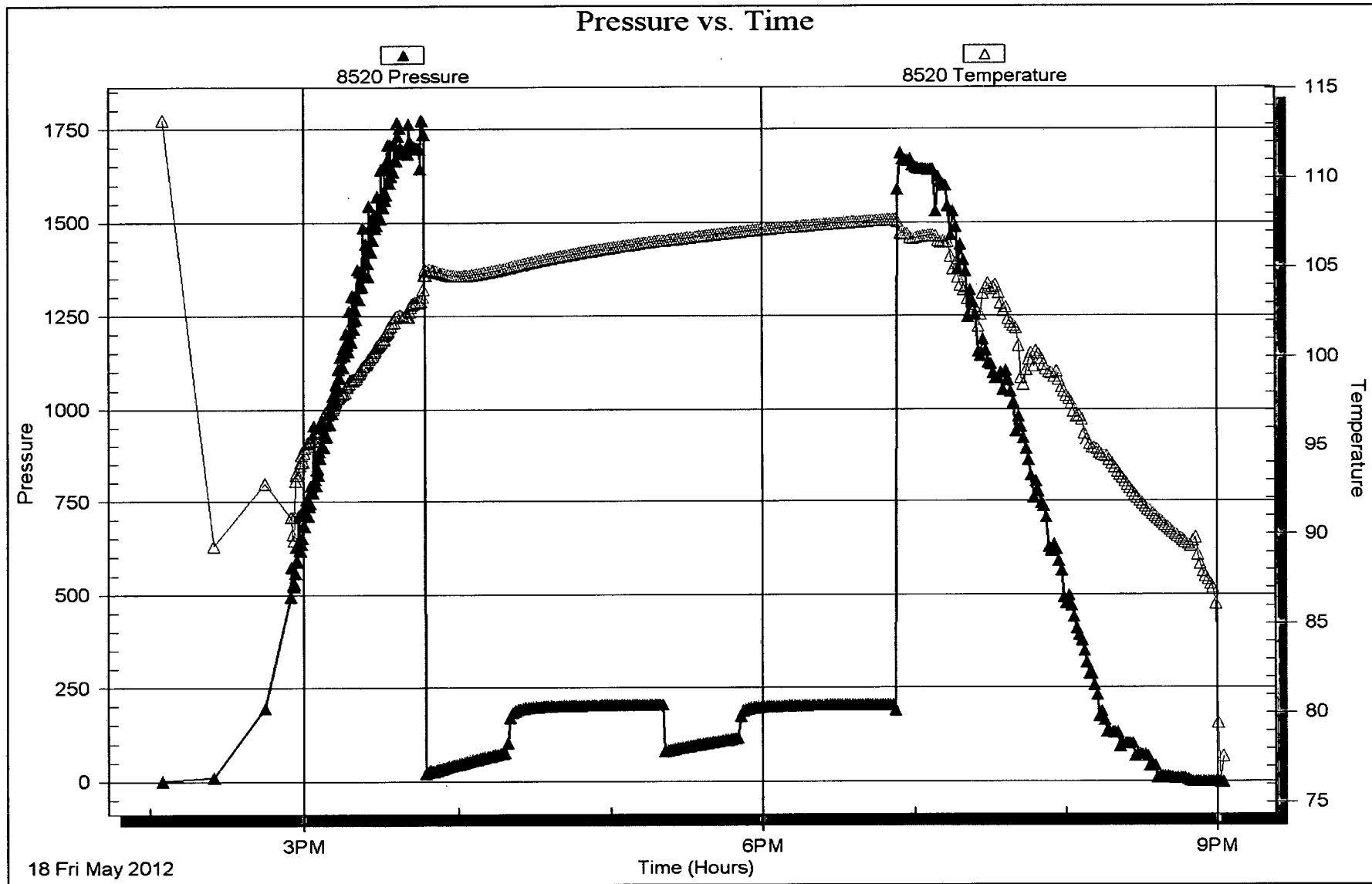
Recovery Information

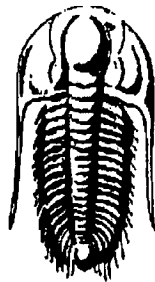
Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------|---------------|
| 191.00 | 90%Water/10%Mud | 0.939 |
| 5.00 | 50%Gas/50%Oil | 0.025 |

Total Length: 196.00 ft Total Volume: 0.964 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Jim Hall

Temple "B" 6-7

7-10s-20w Rooks,KS

Start Date: 2012.05.19 @ 15:31:30

End Date: 2012.05.19 @ 23:41:00

Job Ticket #: 47237 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.23 @ 08:55:54

Herman L. Loeb, LLC 7-10s-20w Rooks,KS Temple "B" 6-7 DST # 3 LKC "I, J, K, & L" 2012.05.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

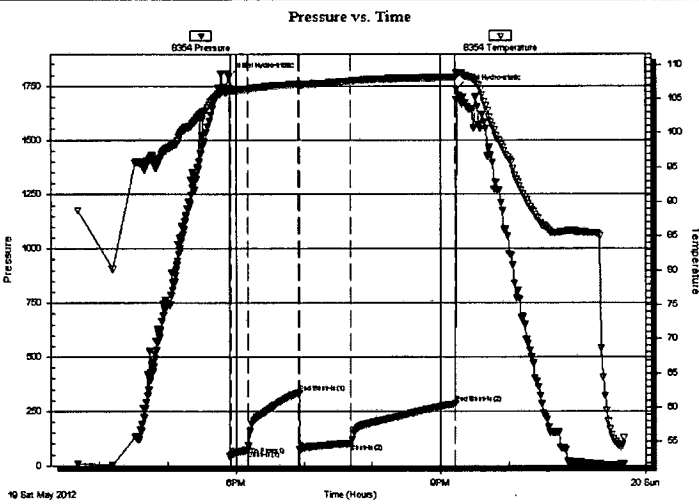
7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47237 **DST#: 3**
Test Start: 2012.05.19 @ 15:31:30

GENERAL INFORMATION:

Formation: **LKC "I, J, K, & L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:55:30
Time Test Ended: 23:41:00
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Interval: **3634.00 ft (KB) To 3717.00 ft (KB) (TVD)**
Reference Elevations: 2225.00 ft (KB)
Total Depth: 3717.00 ft (KB) (TVD) 2214.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8354 Inside
Press@RunDepth: 103.23 psig @ 3704.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.05.19 End Date: 2012.05.19 Last Calib.: 2012.05.19
Start Time: 15:41:30 End Time: 23:41:00 Time On Btm: 2012.05.19 @ 17:54:00
Time Off Btm: 2012.05.19 @ 21:14:30

TEST COMMENT: IF-Fair building blow . Built to 9 inches.
ISI-No Return.
FF-Fair building blow . BOB in 18 minutes 30 seconds.
FSI-Very weak surface return for 4 minutes.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1792.79 | 106.50 | Initial Hydro-static |
| 2 | 48.05 | 106.12 | Open To Flow (1) |
| 16 | 71.46 | 106.40 | Shut-In(1) |
| 62 | 335.15 | 107.12 | End Shut-In(1) |
| 63 | 76.36 | 107.08 | Open To Flow (2) |
| 107 | 103.23 | 107.58 | Shut-In(2) |
| 199 | 284.48 | 108.14 | End Shut-In(2) |
| 201 | 1735.77 | 108.84 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 170.00 | 50%Gas/50%Oil | 0.84 |
| 80.00 | 10%Gas/10%Oil/80%Mud | 0.41 |
| 0.00 | 186' G.I.P. | 0.00 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

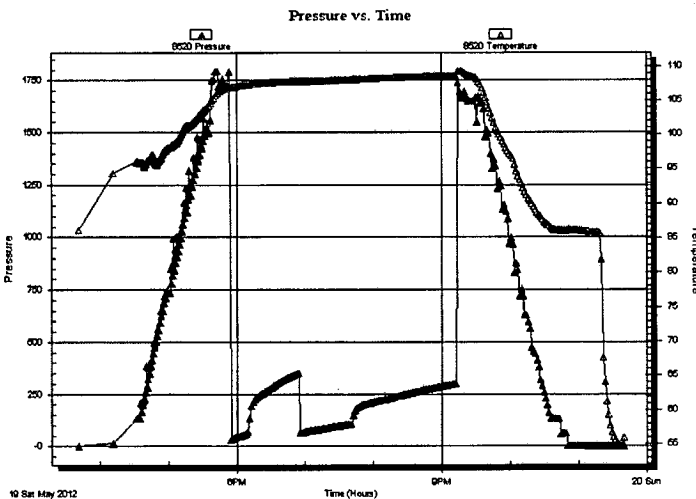
7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47237 **DST#: 3**
Test Start: 2012.05.19 @ 15:31:30

GENERAL INFORMATION:

Formation: **LKC "I, J, K, & L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:55:30
Time Test Ended: 23:41:00
Interval: **3634.00 ft (KB) To 3717.00 ft (KB) (TVD)**
Total Depth: 3717.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2225.00 ft (KB)
2214.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8520 Outside
Press@RunDepth: psig @ 3704.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.05.19 End Date: 2012.05.19 Last Calib.: 2012.05.20
Start Time: 15:41:45 End Time: 23:40:45 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-Fair building blow . Built to 9 inches.
IS-No Return.
FF-Fair building blow . BOB in 18 minutes 30 seconds.
FS-Very weak surface return for 4 minutes.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 170.00 | 50%Gas/50%Oil | 0.84 |
| 80.00 | 10%Gas/10%Oil/80%Mud | 0.41 |
| 0.00 | 186' G.I.P. | 0.00 |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L. Loeb, LLC
 PO Box 838
 Lawrenceville, IL 62439
 ATTN: Jim Hall

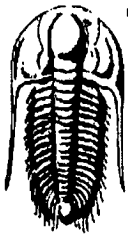
7-10s-20w Rooks, KS
Temple "B" 6-7
 Job Ticket: 47237 **DST#: 3**
 Test Start: 2012.05.19 @ 15:31:30

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3373.00 ft | Diameter: 3.80 inches | Volume: 47.31 bbl | Tool Weight: 3000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 248.00 ft | Diameter: 2.25 inches | Volume: 1.22 bbl | Weight to Pull Loose: 5000.00 lb |
| | | | <u>Total Volume: 48.53 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 75000.00 lb |
| Depth to Top Packer: | 3634.00 ft | | | Final 77000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 83.00 ft | | | |
| Tool Length: | 111.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3607.00 | |
| Shut In Tool | 5.00 | | | 3612.00 | |
| Hydraulic tool | 5.00 | | | 3617.00 | |
| Jars | 5.00 | | | 3622.00 | |
| Safety Joint | 3.00 | | | 3625.00 | |
| Packer | 5.00 | | | 3630.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3634.00 | |
| Stubb | 1.00 | | | 3635.00 | |
| Perforations | 5.00 | | | 3640.00 | |
| Change Over Sub | 1.00 | | | 3641.00 | |
| Drill Pipe | 62.00 | | | 3703.00 | |
| Change Over Sub | 1.00 | | | 3704.00 | |
| Recorder | 0.00 | 8354 | Inside | 3704.00 | |
| Recorder | 0.00 | 8520 | Outside | 3704.00 | |
| Perforations | 10.00 | | | 3714.00 | |
| Bullnose | 3.00 | | | 3717.00 | 83.00 Bottom Packers & Anchor |
| Total Tool Length: | 111.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47237 **DST#: 3**
Test Start: 2012.05.19 @ 15:31:30

Mud and Cushion Information

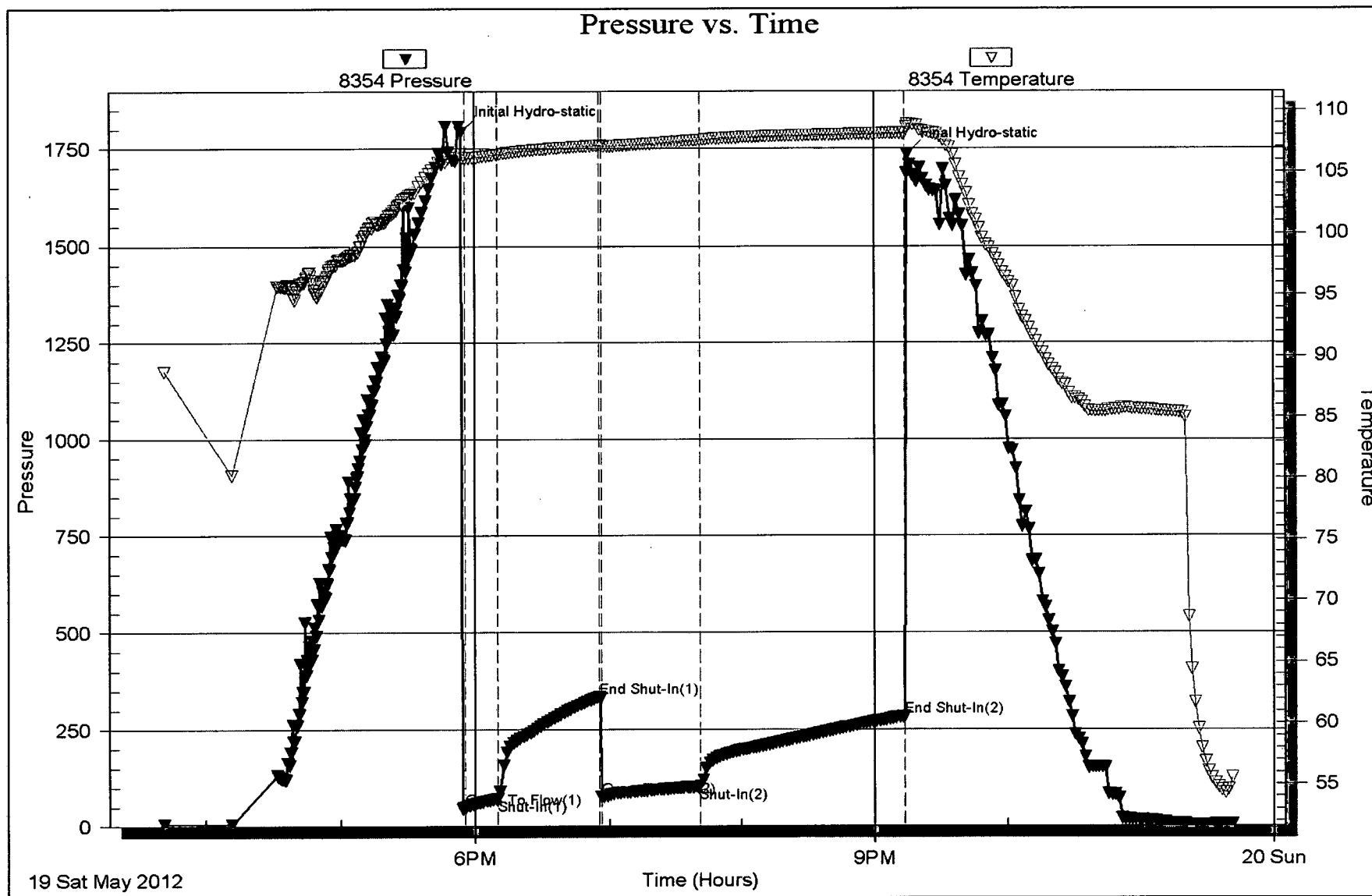
| | | |
|----------------------------------|----------------------------|---------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 42 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: ppm |
| Viscosity: 61.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 7.18 in ³ | Gas Cushion Type: | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 2000.00 ppm | | |
| Filter Cake: inches | | |

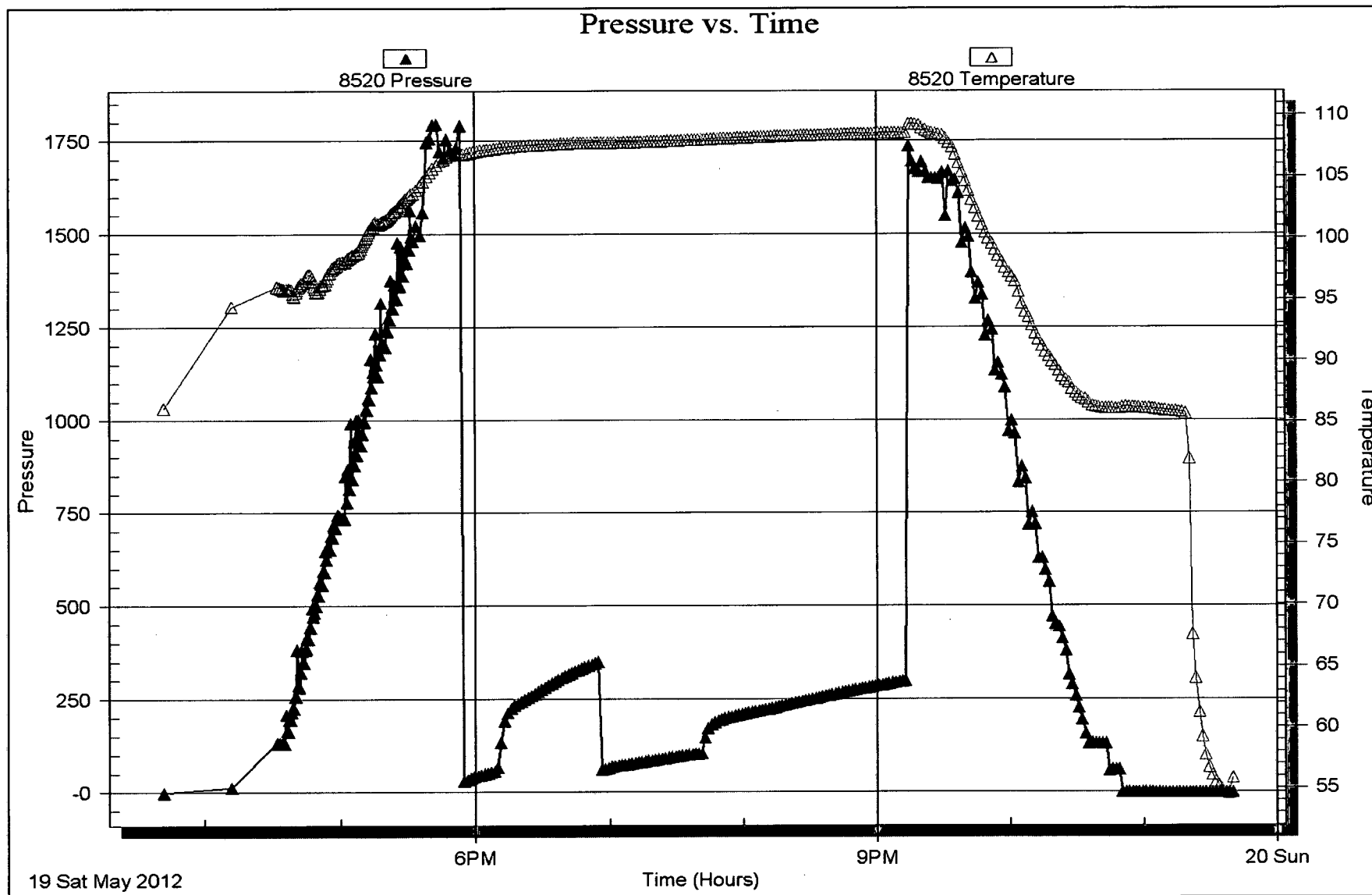
Recovery Information

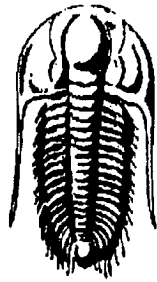
Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 170.00 | 50% Gas/50% Oil | 0.836 |
| 80.00 | 10% Gas/10% Oil/80% Mud | 0.412 |
| 0.00 | 186' G.I.P. | 0.000 |

Total Length: 250.00 ft Total Volume: 1.248 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Jim Hall

Temple "B" 6-7

7-10s-20w Rooks,KS

Start Date: 2012.05.20 @ 13:18:30

End Date: 2012.05.20 @ 19:43:00

Job Ticket #: 47238 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.23 @ 08:55:19

Herman L. Loeb, LLC 7-10s-20w Rooks,KS Temple "B" 6-7 DST # 4 Arbuckle 2012.05.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

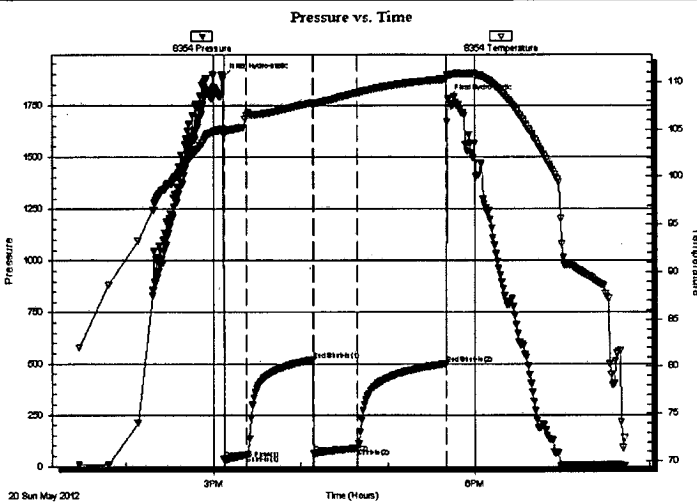
7-10s-20w Rooks, KS
Temple "B" 6-7
Job Ticket: 47238 **DST#: 4**
Test Start: 2012.05.20 @ 13:18:30

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:07:20
Time Test Ended: 19:43:00
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Interval: **3781.00 ft (KB) To 3789.00 ft (KB) (TVD)**
Reference Elevations: 2225.00 ft (KB)
Total Depth: 3789.00 ft (KB) (TVD) 2214.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8354 Inside
Press@RunDepth: 87.33 psig @ 3783.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.05.20 End Date: 2012.05.20 Last Calib.: 2012.05.20
Start Time: 13:28:30 End Time: 19:43:00 Time On Btm: 2012.05.20 @ 15:07:10
Time Off Btm: 2012.05.20 @ 17:42:00

TEST COMMENT: IF-Weak building blow . Built to 2&1/2 inches.
ISI-No Return.
FF-Very weak building blow . Built to 1&1/2 inches.
FSI-No Return.



PRESSURE SUMMARY

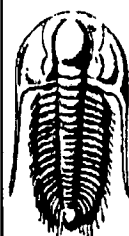
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1886.16 | 105.10 | Initial Hydro-static |
| 1 | 34.99 | 104.45 | Open To Flow (1) |
| 16 | 53.37 | 106.51 | Shut-In(1) |
| 62 | 518.29 | 107.82 | End Shut-In(1) |
| 62 | 63.18 | 107.68 | Open To Flow (2) |
| 92 | 87.33 | 108.83 | Shut-In(2) |
| 154 | 498.49 | 110.29 | End Shut-In(2) |
| 155 | 1781.34 | 110.69 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 62.00 | 70%Water/30%Mud | 0.30 |
| 60.00 | 10%Oil/20%Water/70%Mud | 0.30 |
| 4.00 | 10%Gas/90%Oil | 0.02 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

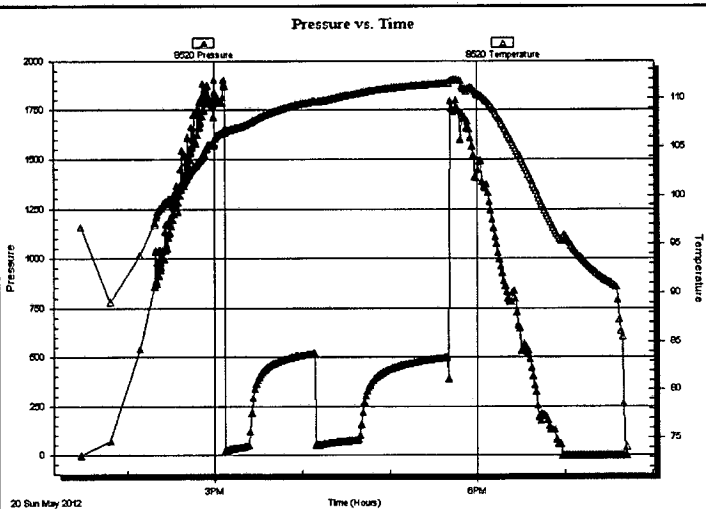
7-10s-20w Rooks, KS
Temple "B" 6-7
Job Ticket: 47238 DST#: 4
Test Start: 2012.05.20 @ 13:18:30

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 15:07:20
Time Test Ended: 19:43:00
Interval: **3781.00 ft (KB) To 3789.00 ft (KB) (TVD)**
Total Depth: **3789.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Dustin Rash**
Unit No: **38**
Reference Elevations: **2225.00 ft (KB)**
2214.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 8520 **Outside**
Press@RunDepth: **psig @ 3783.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.05.20** End Date: **2012.05.20** Last Calib.: **2012.05.20**
Start Time: **13:28:45** End Time: **19:42:45** Time On Btm:
Time Off Btm:

TEST COMMENT: IF-Weak building blow. Built to 2&1/2 inches.
IS-No Return.
FF-Very weak building blow. Built to 1&1/2 inches.
FS-No Return.



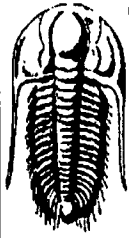
| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|------------|
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 62.00 | 70%Water/30%Mud | 0.30 |
| 60.00 | 10%Oil/20%Water/70%Mud | 0.30 |
| 4.00 | 10%Gas/90%Oil | 0.02 |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
|----------------|-----------------|------------------|



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47238 **DST#: 4**
Test Start: 2012.05.20 @ 13:18:30

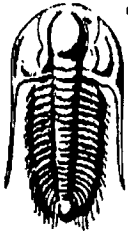
Tool Information

| | | | | |
|---------------------------|--------------------|------------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3530.00 ft | Diameter: 3.80 inches | Volume: 49.52 bbl | Tool Weight: 3000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 248.00 ft | Diameter: 2.25 inches | Volume: 1.22 bbl | Weight to Pull Loose: 5000.00 lb |
| | | | <u>Total Volume: 50.74 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 76000.00 lb |
| Depth to Top Packer: | 3781.00 ft | | | Final 76000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 8.00 ft | | | |
| Tool Length: | 36.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches. | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-----------------------------------|
| Change Over Sub | 1.00 | | | 3754.00 | |
| Shut In Tool | 5.00 | | | 3759.00 | |
| Hydraulic tool | 5.00 | | | 3764.00 | |
| Jars | 5.00 | | | 3769.00 | |
| Safety Joint | 3.00 | | | 3772.00 | |
| Packer | 5.00 | | | 3777.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3781.00 | |
| Stubb | 1.00 | | | 3782.00 | |
| Perforations | 1.00 | | | 3783.00 | |
| Recorder | 0.00 | 8354 | Inside | 3783.00 | |
| Recorder | 0.00 | 8520 | Outside | 3783.00 | |
| Perforations | 3.00 | | | 3786.00 | |
| Bullnose | 3.00 | | | 3789.00 | 8.00 Bottom Packers & Anchor |

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47238 **DST#: 4**
Test Start: 2012.05.20 @ 13:18:30

Mud and Cushion Information

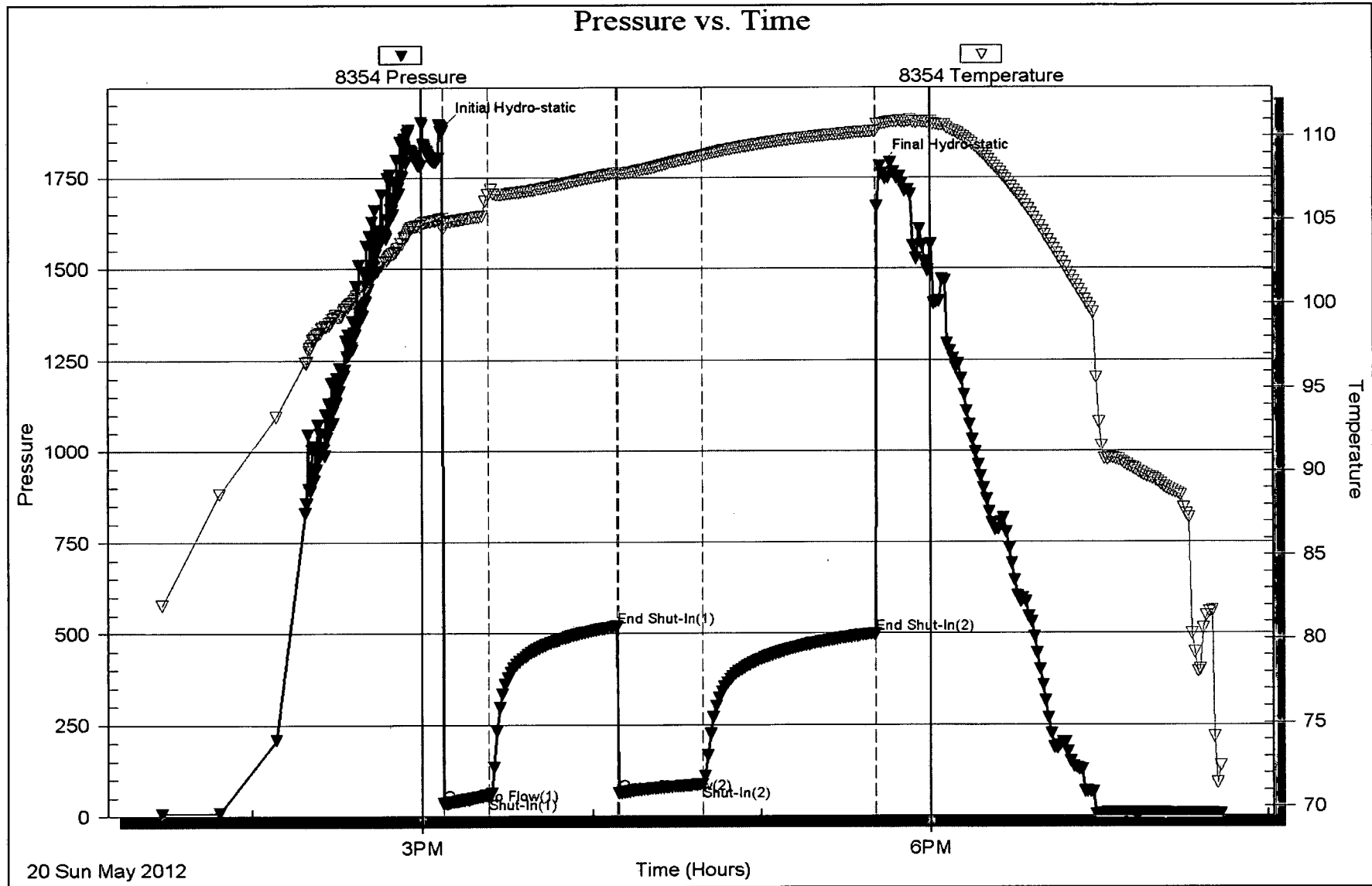
| | | |
|----------------------------------|----------------------------|---------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 34 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: ppm |
| Viscosity: 60.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 7.18 in ³ | Gas Cushion Type: | |
| Resistivity: 0.28 ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 2000.00 ppm | | |
| Filter Cake: inches | | |

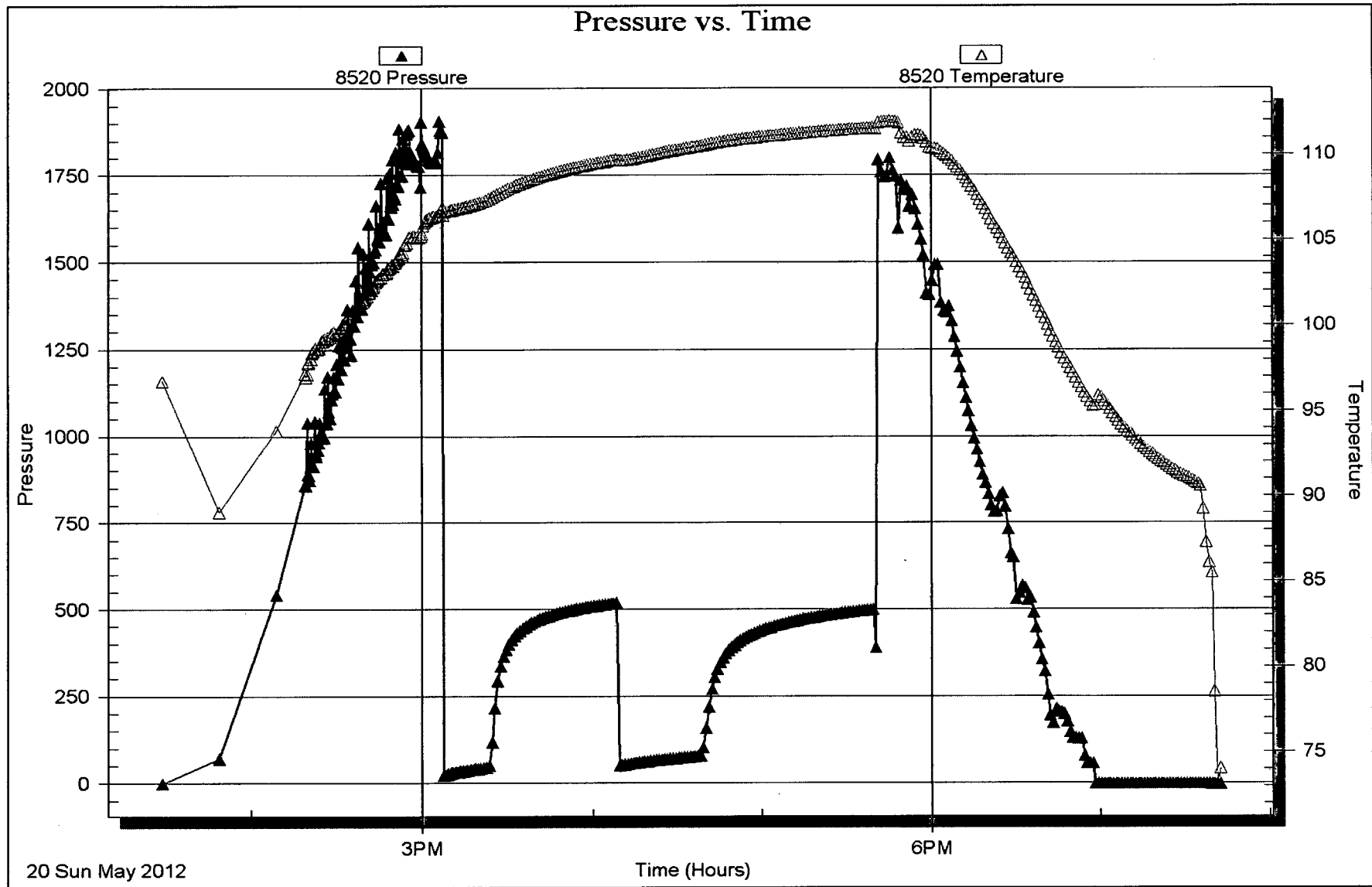
Recovery Information

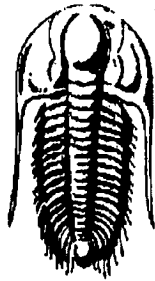
Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 62.00 | 70%Water/30%Mud | 0.305 |
| 60.00 | 10%Oil/20%Water/70%Mud | 0.295 |
| 4.00 | 10%Gas/90%Oil | 0.020 |

Total Length: 126.00 ft Total Volume: 0.620 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Jim Hall

Temple "B" 6-7

7-10s-20w Rooks,KS

Start Date: 2012.05.21 @ 04:14:15

End Date: 2012.05.21 @ 12:32:45

Job Ticket #: 47239 DST #: 5

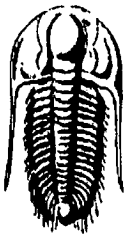
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.23 @ 08:53:34

Herman L. Loeb, LLC 7-10s-20w Rooks,KS Temple "B" 6-7 DST # 5 Arbuckle 2012.05.21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
 PO Box 838
 Lawrenceville, IL 62439
 ATTN: Jim Hall

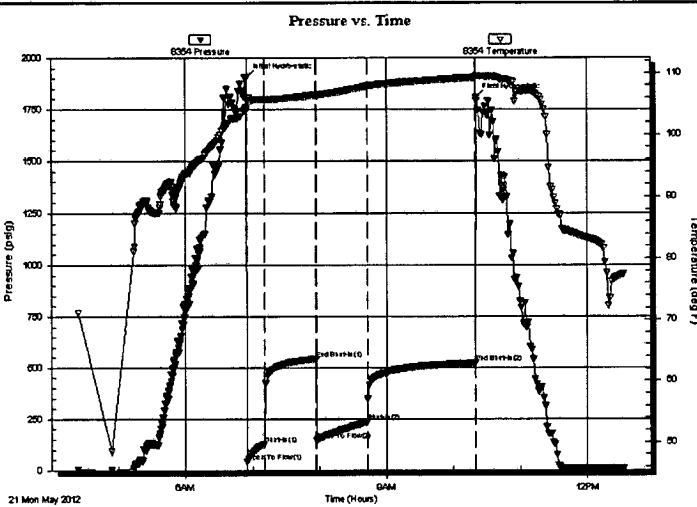
7-10s-20w Rooks, KS
Temple "B" 6-7
 Job Ticket: 47239 **DST#: 5**
 Test Start: 2012.05.21 @ 04:14:15

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:55:15
 Time Test Ended: 12:32:45
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Interval: **3791.00 ft (KB) To 3805.00 ft (KB) (TVD)**
 Total Depth: 3805.00 ft (KB) (TVD)
 Reference Elevations: 2225.00 ft (KB)
 2214.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 11.00 ft

Serial #: 8354 Inside
 Press@RunDepth: 234.39 psig @ 3793.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.21 End Date: 2012.05.21 Last Calib.: 2012.05.21
 Start Time: 04:24:15 End Time: 12:32:45 Time On Btm: 2012.05.21 @ 06:54:45
 Time Off Btm: 2012.05.21 @ 10:20:15

TEST COMMENT: IF-Strong building blow . BOB in 10 minutes.
 IS-No Return.
 FF-Fair building blow . BOB in 13 minutes 30 seconds.
 FS-No Return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1904.80 | 104.29 | Initial Hydro-static |
| 1 | 40.84 | 104.10 | Open To Flow (1) |
| 16 | 125.58 | 105.65 | Shut-In(1) |
| 62 | 540.91 | 106.39 | End Shut-In(1) |
| 63 | 146.83 | 106.19 | Open To Flow (2) |
| 108 | 234.39 | 107.77 | Shut-In(2) |
| 205 | 521.05 | 109.19 | End Shut-In(2) |
| 206 | 1804.97 | 109.43 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 469.00 | 90%Water/10%Mud | 4.32 |
| 5.00 | 10%Gas/90%Oil | 0.07 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



TRILLOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

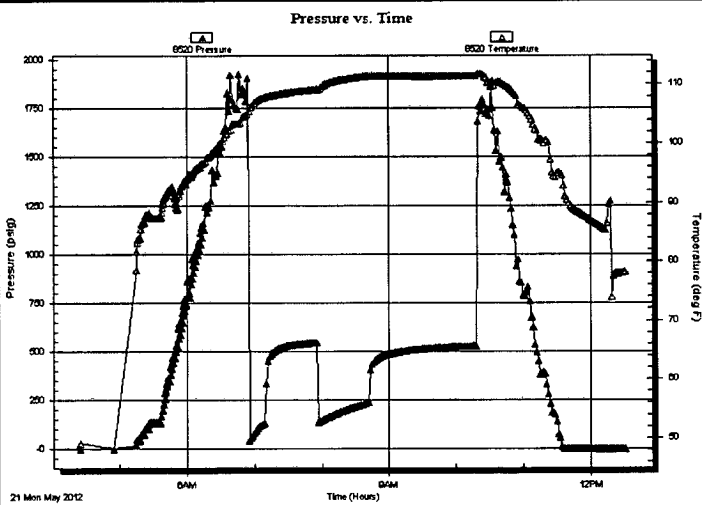
7-10s-20w Rooks, KS
Temple "B" 6-7
Job Ticket: 47239 **DST#: 5**
Test Start: 2012.05.21 @ 04:14:15

GENERAL INFORMATION:

Formation: Arbuckle
Deviated: No **Whipstock:** ft (KB)
Time Tool Opened: 06:55:15
Time Test Ended: 12:32:45
Interval: 3791.00 ft (KB) To 3805.00 ft (KB) (TVD)
Total Depth: 3805.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches **Hole Condition:** Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2225.00 ft (KB)
2214.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8520 **Outside**
Press@RunDepth: psig @ 3793.00 ft (KB) **Capacity:** 8000.00 psig
Start Date: 2012.05.21 **End Date:** 2012.05.21 **Last Calib.:** 2012.05.21
Start Time: 04:24:30 **End Time:** 12:32:00 **Time On Btm:**
Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB in 10 minutes.
IS-No Return.
FF-Fair building blow . BOB in 13 minutes 30 seconds.
FS-No Return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 469.00 | 90%Water/10%Mud | 4.32 |
| 5.00 | 10%Gas/90%Oil | 0.07 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47239 **DST#: 5**
Test Start: 2012.05.21 @ 04:14:15

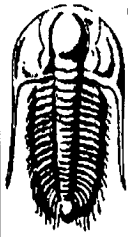
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3530.00 ft | Diameter: 3.80 inches | Volume: 49.52 bbl | Tool Weight: 3000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 248.00 ft | Diameter: 2.25 inches | Volume: 1.22 bbl | Weight to Pull Loose: 8000.00 lb |
| | | | <u>Total Volume: 50.74 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 75000.00 lb |
| Depth to Top Packer: | 3791.00 ft | | | Final 78000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 14.00 ft | | | |
| Tool Length: | 42.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3764.00 | |
| Shut In Tool | 5.00 | | | 3769.00 | |
| Hydraulic tool | 5.00 | | | 3774.00 | |
| Jars | 5.00 | | | 3779.00 | |
| Safety Joint | 3.00 | | | 3782.00 | |
| Packer | 5.00 | | | 3787.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3791.00 | |
| Stubb | 1.00 | | | 3792.00 | |
| Perforations | 1.00 | | | 3793.00 | |
| Recorder | 0.00 | 8354 | Inside | 3793.00 | |
| Recorder | 0.00 | 8520 | Outside | 3793.00 | |
| Perforations | 9.00 | | | 3802.00 | |
| Bullnose | 3.00 | | | 3805.00 | 14.00 Bottom Packers & Anchor |

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jim Hall

7-10s-20w Rooks,KS
Temple "B" 6-7
Job Ticket: 47239 **DST#: 5**
Test Start: 2012.05.21 @ 04:14:15

Mud and Cushion Information

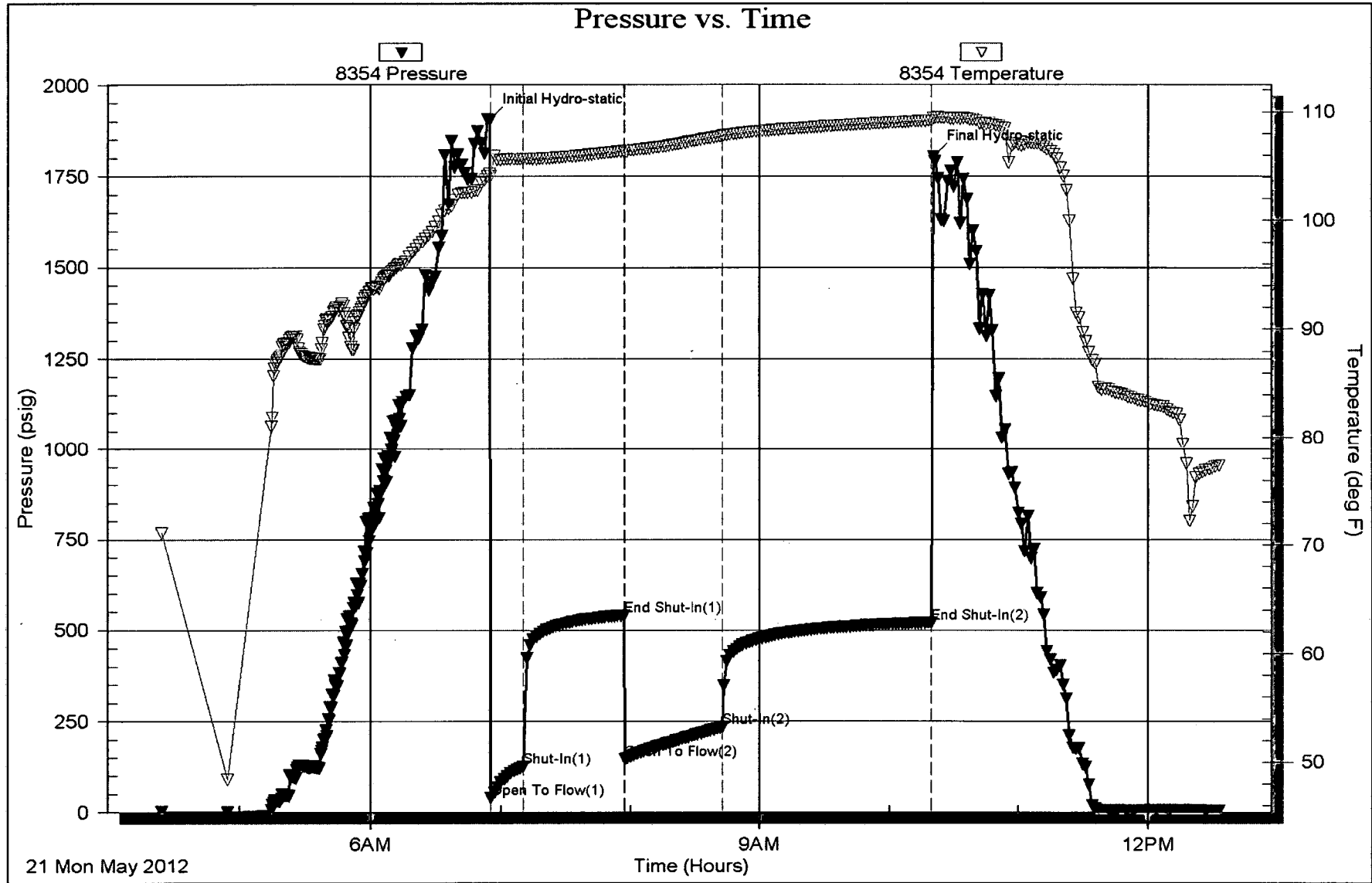
| | | |
|----------------------------------|----------------------------|---------------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 34 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: 24000 ppm |
| Viscosity: 60.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 7.19 in ³ | Gas Cushion Type: | |
| Resistivity: 0.21 ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 2000.00 ppm | | |
| Filter Cake: inches | | |

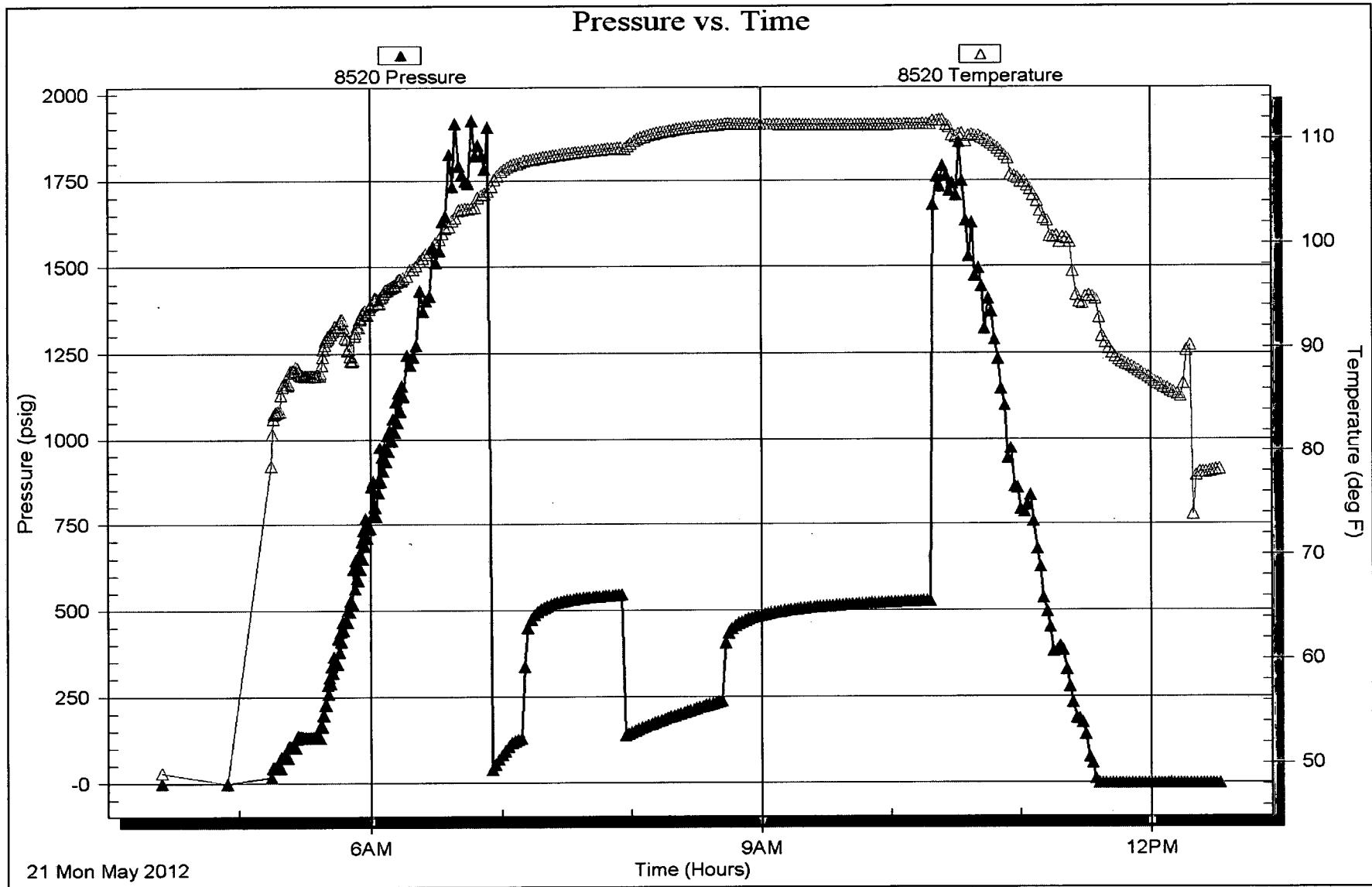
Recovery Information

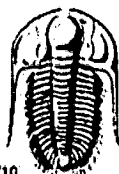
Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------|---------------|
| 469.00 | 90% Water/10% Mud | 4.320 |
| 5.00 | 10% Gas/90% Oil | 0.070 |

Total Length: 474.00 ft Total Volume: 4.390 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47235

Well Name & No. Temple 'B' # 6-7 Test No. 2 Date 5-17-12
 Company Herman L. Loeb, LLC Elevation 2225 KB 2214 GL
 Address P.O. Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Jim Hall Rig Stirling #2
 Location: Sec. 7 Twp. 10S Rge. 20W Co. Rooks State KS

Interval Tested 3508-3542 Zone Tested Lawing "C"
 Anchor Length 34' Drill Pipe Run 374 Mud Wt. 9.4
 Top Packer Depth 3503 Drill Collars Run 319 Vis 68
 Bottom Packer Depth 3508 Wl. Pipe Run 0 WL 7.2
 Total Depth 3542 Chlorides 1800 ppm System LCM 2#

Blow Description FF-Weak building blow. BOB in 23 minutes,
VST-No Return,
FF-Very weak building blow. Burst to 11 inches,
FST-No Return,

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|--------------------|------------|-----------|-----------|------|
| <u>2</u> | <u>Oil</u> | <u>100</u> | | | |
| <u>411</u> | <u>Muddy Water</u> | | <u>80</u> | <u>20</u> | |
| | | | | | |
| | | | | | |
| | | | | | |

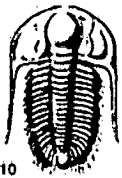
Rec Total 413 BHT 107 Gravity _____ API RW 138 @ 72 °F Chlorides 53000 ppm

(A) Initial Hydrostatic 1713 Test 1150 T-On Location 1630
 (B) First Initial Flow 41 Jars 250 T-Started 1900
 (C) First Final Flow 124 Safety Joint 75 T-Open 2115
 (D) Initial Shut-In 225 Circ Sub T-Pulled 0100
 (E) Second Initial Flow 154 Hourly Standby 1.5 150 T-Out 0315
 (F) Second Final Flow 171 Mileage 35X2 105 Comments BHT-1744
 (G) Final Shut-In 228 Sampler _____
 (H) Final Hydrostatic 1662 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90
 Sub Total 1730
 Total 1730
 MP/DST Disc't _____

Approved By _____ Our Representative D. Rosh

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. 47236

Well Name & No. Temple "B" #6-7 Test No. 2 Date 5-18-12
 Company Herman L. Loeb, LLC Elevation 2225 KB 2214 GL
 Address P.O. Box 838 Lawrenceville IL 62439
 Co. Rep / Geo. Jim Hall Rig Stelling #2
 Location: Sec. 7 Twp. 10S Rge. 20W Co. Rooks State KS

Interval Tested 3572-3581 Zone Tested Lausing "E-F"
 Anchor Length 9' Drill Pipe Run 3307 Mud Wt. 9.0
 Top Packer Depth 3566 Drill Collars Run ~~3307~~ 248 Vis 64
 Bottom Packer Depth 3572 Wt. Pipe Run 0 WL 7.2
 Total Depth 3581 Chlorides 1900 ppm System LCM 2 #

Blow Description FF-Weak building blow. Built to 5 inches.
VST- No Return.
FF- Very weak surface blow after 10 minutes. Built to 1 1/4 inches.
VST- No Return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|--------------------|-----------|-----------|-----------|-----------|
| <u>5</u> | <u>Gassy 0.4</u> | <u>50</u> | <u>50</u> | | |
| <u>5</u> | <u>Muddy Water</u> | | | <u>90</u> | <u>10</u> |
| <u>186</u> | <u>Muddy Water</u> | | | <u>90</u> | <u>10</u> |
| | | | | | |
| | | | | | |

Rec Total 196' BHT 106 Gravity 39 API RW 1135 @ 80 ° F Chlorides 48000 ppm
 (A) Initial Hydrostatic 1886 Test 1150 T-On Location 1315
 (B) First Initial Flow 35 Jars 250 T-Started 1400
 (C) First Final Flow 74 Safety Joint 75 T-Open 1547
 (D) Initial Shut-In 202 Circ Sub T-Pulled 1850
 (E) Second Initial Flow 89 Hourly Standby T-Out 2100
 (F) Second Final Flow 116 Mileage 35X2 105 Comments Best-1354
 (G) Final Shut-In 202 Sampler
 (H) Final Hydrostatic 1725 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 1580
 Total 1580
 MP/DST Disc't

Approved By _____ Our Representative [Signature]
 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. 47237

Well Name & No. Temple "B" #6-7 Test No. 3 Date 5-19-12
 Company Herman 2, Loeb, LLC Elevation 2225 KB 2214 GL
 Address P.O. Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Jim Hall Rig Stirling #2
 Location: Sec. 7 Twp. 10S Rge. 20W Co. Rooks State KS

Interval Tested 3634-3717 Zone Tested LKC "I, J, K, +L"
 Anchor Length 83' Drill Pipe Run 3373 Mud Wt. 9.1
 Top Packer Depth 3629 Drill Collars Run 248 Vis 61
 Bottom Packer Depth 3634 Wt. Pipe Run 0 WL 7.2
 Total Depth 3717 Chlorides 2000 ppm System LCM 2#

Blow Description IF - Fair building blow, Burt to 9 inches.
VST - No Return.
FF - Fair building blow, BDB in 18 minutes 30 seconds.
FST - Very weak surface return for 4 minutes.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|--------------------|-----------|-----------|--------|-----------|
| <u>170</u> | <u>Gassy oil</u> | <u>50</u> | <u>50</u> | | |
| <u>80'</u> | <u>GOCM</u> | <u>10</u> | <u>10</u> | | <u>80</u> |
| | | | | | |
| | <u>186' G.I.P.</u> | | | | |
| | | | | | |

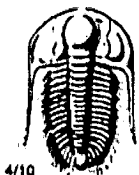
Rec Total 250 BHT 109 Gravity 42 API RW _____ @ _____ °F Chlorides _____ ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>1793</u> | <input checked="" type="checkbox"/> Test 1150 | T-On Location <u>1515</u> |
| (B) First Initial Flow <u>48</u> | <input checked="" type="checkbox"/> Jars 250 | T-Started <u>1545</u> |
| (C) First Final Flow <u>71</u> | <input checked="" type="checkbox"/> Safety Joint 75 | T-Open <u>1754</u> |
| (D) Initial Shut-In <u>335</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>2110</u> |
| (E) Second Initial Flow <u>76</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>2345</u> |
| (F) Second Final Flow <u>103</u> | <input checked="" type="checkbox"/> Mileage <u>35X2</u> 105 | Comments <u>BHT-1531</u> |
| (G) Final Shut-In <u>284</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>1736</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |

Initial Open 15 Shale Packer
 Initial Shut-In 45 Extra Packer
 Final Flow 45 Extra Recorder
 Final Shut-In 90 Day Standby
 Sub Total 1580 Accessibility
 Sub Total 1580 Ruined Packer
 Sub Total 0 Extra Copies
 Total 1580 MP/DST Disc't

Approved By _____ Our Representative D. Ralph

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. 47238

Well Name & No. Temple "B" #6-7 Test No. 4 Date 5-20-12
 Company Herman L. Loeb, LLC Elevation 2225 KB 2214 GL
 Address P.O. Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Jim Hall Rig Stirling #2
 Location: Sec. 7 Twp. 10S Rge. 20W Co. Rooks State KS

Interval Tested 3781-3789 Zone Tested Arbuckle
 Anchor Length 8 Drill Pipe Run 3580 Mud Wt. 9.1
 Top Packer Depth 3776 Drill Collars Run 448 Vis 60
 Bottom Packer Depth 3781 Wt. Pipe Run 0 WL 7.2
 Total Depth 3789 Chlorides 2000 ppm System LCM 2[#]

Blow Description VF - weak building blow, Burt to 2 1/2 inches.
VSI - No Return.
FF - Very weak building blow, Burt to 1 1/2 inches.
FBI - No Return.

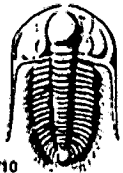
| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|--------------------|------|-----------|-----------|-----------|
| <u>4</u> | <u>Gassy Oil</u> | | | | |
| <u>60'</u> | <u>OCWm</u> | | <u>10</u> | <u>20</u> | <u>70</u> |
| <u>62</u> | <u>Muddy Water</u> | | | <u>70</u> | <u>30</u> |
| | | | | | |
| | | | | | |

Rec Total 126 BHT 111 Gravity 34 API RW 218 @ 76 °F Chlorides 23000 ppm
 (A) Initial Hydrostatic 1886 Test 1150 T-On Location 1245
 (B) First Initial Flow 35 Jars 250 T-Started 1320
 (C) First Final Flow 53 Safety Joint 75 T-Open 1507
 (D) Initial Shut-In 518 Circ Sub _____ T-Pulled 1740
 (E) Second Initial Flow 63 Hourly Standby _____ T-Out 1945
 (F) Second Final Flow 87 Mileage 35K2 105 Comments BHT-1318
 (G) Final Shut-In 498 Sampler _____
 (H) Final Hydrostatic 1781 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1580
 Final Shut-In 60 Accessibility _____ MP/DST Disc'l
 Sub Total 1580

Approved By _____ Our Representative [Signature]

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. 47239

Well Name & No. Temple "B" #67 Test No. 5 Date 5-21-12
 Company Herman L. Loeb, LLC Elevation 2225 KB 2214 GL
 Address P.O. Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Jim Hall Rig Stirling #2
 Location: Sec. 7 Twp. 10S Rge. 20W Co. Rooks State KS

Interval Tested 3791-3805 Zone Tested Aubuckle
 Anchor Length 14' Drill Pipe Run 3580 Mud Wt. 9.1
 Top Packer Depth 3786 Drill Collars Run 248 Vis 60
 Bottom Packer Depth 3791 Wl. Pipe Run 0 WL 7.2
 Total Depth 3805 Chlorides 2000 ppm System LCM 2#

Blow Description YF - Strong building blow, BOB in 10 minutes.
VST - No Return.
FF - Fair building blow, BOB in 13 minutes 30 seconds.
FST - No Return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|--------------------|-----------|-----------|-----------|-----------|
| <u>5</u> | <u>Cassy Oil</u> | <u>10</u> | <u>90</u> | | |
| <u>469</u> | <u>Muddy Water</u> | | | <u>90</u> | <u>10</u> |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 474 BHT _____ Gravity 34 API RW 1215 @ 88 °F Chlorides 24000 ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1905</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>0345</u> |
| (B) First Initial Flow <u>41</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>0445</u> |
| (C) First Final Flow <u>126</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>0655</u> |
| (D) Initial Shut-In <u>541</u> | <input type="checkbox"/> CIP Sub _____ | T-Pulled <u>1015</u> |
| (E) Second Initial Flow <u>147</u> | <input checked="" type="checkbox"/> Hourly Standby _____ | T-Out <u>1230</u> |
| (F) Second Final Flow <u>234</u> | <input checked="" type="checkbox"/> Mileage <u>3.5X2</u> 105 | Comments <u>BHT-0414</u> |
| (G) Final Shut-In <u>521</u> | <input type="checkbox"/> Sampler _____ | |
| (H) Final Hydrostatic <u>1805</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |

Initial Open 15
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 90

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1580

MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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.