



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- 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 #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

| CASING RECORD <input 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

| | | | | | |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

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

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | PetroSantander (USA) Inc. |
| Well Name | CBH 2-13 |
| Doc ID | 1142356 |

All Electric Logs Run

| |
|----------------------------|
| |
| Microresistivity |
| Dual Compensated Porosity |
| Borehole Compensated Sonic |
| Dual Induction |

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | PetroSantander (USA) Inc. |
| Well Name | CBH 2-13 |
| Doc ID | 1142356 |

Tops

| Name | Top | Datum |
|----------------|------|-------|
| Heebner Shale | 3921 | -833 |
| Lansing | 4025 | -937 |
| Marmaton | 4478 | -1390 |
| Pawnee | 4556 | -1478 |
| Cherokee Shale | 4603 | -1515 |
| Morrow Shale | 4807 | -1719 |
| Morrow Sand | 4828 | -1729 |
| St. Genevieve | 4883 | -1795 |
| RTD | 5000 | -1912 |
| LTD | 4980 | -1892 |



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 39187
LOCATION Dorley, KS
FOREMAN Kelly Gabel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|------------|--------------------|--|----------|-------|---------|---------|--------|---------|--------|-----|---------|--|--|-----|----------|--|--|-----|-------|--|--|--|-----------|--|--|
| 12-12-12 | 6335 | CBH 2-13 | 13 | 21 | 35 | Kearney | | | | | | | | | | | | | | | | | | | | |
| CUSTOMER <u>Petro Santander</u> | | | <table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>399</td> <td>Damon M</td> <td></td> <td></td> </tr> <tr> <td>530</td> <td>Jeremy L</td> <td></td> <td></td> </tr> <tr> <td>460</td> <td>Tim W</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Phillip H</td> <td></td> <td></td> </tr> </tbody> </table> | | | | TRUCK # | DRIVER | TRUCK # | DRIVER | 399 | Damon M | | | 530 | Jeremy L | | | 460 | Tim W | | | | Phillip H | | |
| TRUCK # | DRIVER | TRUCK # | DRIVER | | | | | | | | | | | | | | | | | | | | | | | |
| 399 | Damon M | | | | | | | | | | | | | | | | | | | | | | | | | |
| 530 | Jeremy L | | | | | | | | | | | | | | | | | | | | | | | | | |
| 460 | Tim W | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Phillip H | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAILING ADDRESS | | | Scott Finney Coline W to Byrd PO 25 2W 15 Eirto | | | | | | | | | | | | | | | | | | | | | | | |
| CITY | STATE | ZIP CODE | | | | | | | | | | | | | | | | | | | | | | | | |

JOB TYPE surface HOLE SIZE 12 1/4 HOLE DEPTH 518 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 518 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 125-14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 3 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, rigged up on Duke #6, ran float equip. on IT #5 cent #10 basket on #11 ran pipe to bottom hooked up to circulate, mixed 150 SKS 6 5/35 Poz 6% gel 13% CC 1/4# Flo-seal tailed in with 150 SKS com 3% CC 2% gel, released plug + displaced with 3 1/2 bbl water, cement did not circulate, ran down 50' outside of pipe + mixed 100 SKS com 3% CC 2% gel to bring cement to surface, washed out pump lines, rigged down.

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|--------------------|----------------------|
| 5405 | 1 | PUMP CHARGE | 1085 ⁰⁰ | 1085 ⁰⁰ |
| 5406 | 50 mi | MILEAGE | 5 ⁰⁰ | 250 ⁰⁰ |
| 1127A | 150 SKS | 60/35 Poz (lead) | 15 ¹⁰ | 2265 ⁰⁰ |
| 1104S | 250 SKS | class A Cement (tail 40 inside) | 17 ⁶⁵ | 4412 ⁵⁰ |
| 1102 | 705 # | Calcium chloride | .89 | 2745 |
| 1118B | 1244 # | Bentonite | .25 | 311 ⁰⁰ |
| 1107 | 38 # | Flo-seal | 2.82 | 1071 ⁶ |
| 5407A | 18.2 | Ton mileage delivery | 1.07 | 1519 ⁷⁰ |
| 4205 | 1 | 8 5/8 Texas Pattern guide shoe | 284 ⁰⁰ | 284 ⁰⁰ |
| 4106 | 1 | 8 5/8 Basket (I) | 367 ⁰⁰ | 367 ⁰⁰ |
| 4132 | 1 | 8 5/8 centralizer (I) | 82 ⁰⁰ | 82 ⁰⁰ |
| 4432 | 1 | 8 5/8 Warden Plug | 96 ⁰⁰ | 96 ⁰⁰ |
| 1111 | 100 # | salt | | NC |
| | | Asper bid | | 11,406 ⁸¹ |
| | | Lead wood disc | | 1140 ⁸⁸ |
| | | | | 10,266 ¹³ |
| | | SALES TAX | | |
| | | ESTIMATED TOTAL | | |

Rayin 3737
2:00 AM
AUTHORIZATION [Signature] TITLE _____

DATE 12-13-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 39227

LOCATION Ochler, KS

FOREMAN Miles Shaw

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---|------------|--------------------|---------|----------|-------|--------|
| 12-18-12 | 6335 | CBH #2-13 | 13 | 215 | 35W | Neovny |
| CUSTOMER <u>Petro Sandtander USA</u> | | | TRUCK # | | | |
| MAILING ADDRESS | | | DRIVER | | | |
| CITY | | | TRUCK # | | | |
| STATE | | | DRIVER | | | |
| ZIP CODE | | | | | | |

JOB TYPE DTA HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL 1.4 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and rig up on Duke drilling #6 plus 95 ordered
1st 50 sks @ 2160'
2nd 80 sks @ 1110'
3rd 50 sks @ 540'
4th 20 sks @ 60' 250 sks 60/40 por 48 gal 7/4" No seal
RH 30 sks
MH 20 sks

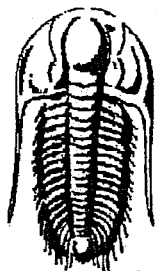
Thanks Miles & Crew

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|---------------------|---------------------|
| 54051V | 1 | PUMP CHARGE | 1325. ⁰⁰ | 1325. ⁰⁰ |
| 5406 | 50 | MILEAGE | 5. ⁰⁰ | 250. ⁰⁰ |
| 5407A | 10.25 TONS | Ton Mileage delivery | 8.67 | 897.62 |
| 1131 | 250 sks | 60/40 por cement | 15.10 | 3775. ⁰⁰ |
| 1118B | 860 # | Bentonite gel | .25 | 215. ⁰⁰ |
| 1107 | 600 # | Flused | 2.82 | 174.84 |
| | | | Subtotal | 6637.46 |
| | | | less 10% discount | 663.74 |
| | | | Subtotal | 5973.72 |
| | | | SALES TAX | |
| | | | ESTIMATED TOTAL | |

Ravin 3737

AUTHORIZATION *[Signature]* TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **PetroSantander Inc**
6363 Woodway Dr Ste 350
Houston, TX 77057

ATTN: Wes Hansen

CBH #2-13

13-21s-35w Kearny,KS

Start Date: 2012.12.17 @ 17:41:12

End Date: 2012.12.18 @ 02:54:12

Job Ticket #: 50120 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

PetroSantander Inc
13-21s-35w Kearny,KS
CBH #2-13
DST # 1
??
2012.12.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

PetroSantander Inc
6363 Woodway Dr Ste 350
Houston, TX 77057
ATTN: Wes Hansen

13-21s-35w Kearny, KS

CBH #2-13

Job Ticket: 50120

DST#: 1

Test Start: 2012.12.17 @ 17:41:12

GENERAL INFORMATION:

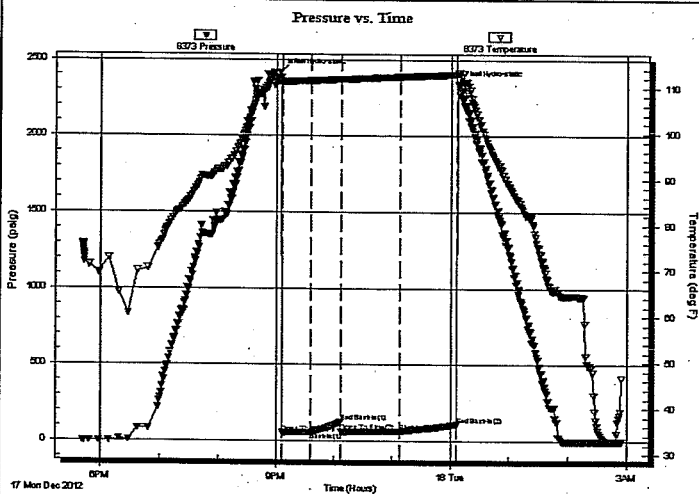
Formation: ??
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:06:12
 Time Test Ended: 02:54:12
 Interval: 4804.00 ft (KB) To 4880.00 ft (KB) (TVD)
 Total Depth: 5000.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Initial)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 3089.00 ft (KB)
 3079.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 64.71 psig @ 4805.00 ft (KB)
 Start Date: 2012.12.17 End Date: 2012.12.18
 Start Time: 17:41:17 End Time: 02:54:12
 Capacity: 8000.00 psig
 Last Calib.: 2012.12.18
 Time On Btm: 2012.12.17 @ 21:04:12
 Time Off Btm: 2012.12.18 @ 00:07:12

TEST COMMENT: IF: 1/4" blow died in 9 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

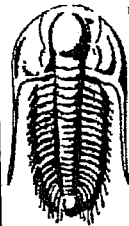
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2416.24 | 111.80 | Initial Hydro-static |
| 2 | 53.19 | 111.34 | Open To Flow (1) |
| 32 | 59.14 | 111.48 | Shut-In(1) |
| 63 | 124.06 | 111.81 | End Shut-In(1) |
| 63 | 61.26 | 111.78 | Open To Flow (2) |
| 124 | 64.71 | 112.36 | Shut-In(2) |
| 182 | 110.02 | 112.87 | End Shut-In(2) |
| 183 | 2340.82 | 113.24 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 10.00 | ocm 10%o 90% m | 0.05 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

PetroSantander Inc
6363 Woodway Dr Ste 350
Houston, TX 77057
ATTN: Wes Hansen

13-21s-35w Kearny,KS
CBH #2-13
Job Ticket: 50120 DST#: 1
Test Start: 2012.12.17 @ 17:41:12

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4421.00 ft | Diameter: 3.80 inches | Volume: 62.02 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 361.00 ft | Diameter: 2.25 inches | Volume: 1.78 bbl | Weight to Pull Loose: 105000.0 lb |
| | | | <u>Total Volume: 63.80 bbl</u> | Tool Chased 5.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial 100000.0 lb |
| Depth to Top Packer: | 4804.00 ft | | | Final 100000.0 lb |
| Depth to Bottom Packer: | 4876.00 ft | | | |
| Interval between Packers: | 72.00 ft | | | |
| Tool Length: | 224.00 ft | | | |
| Number of Packers: | 3 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|--------------------------------|
| Stubb | 1.00 | | | 4777.00 | |
| Shut In Tool | 5.00 | | | 4782.00 | |
| Hydraulic tool | 5.00 | | | 4787.00 | |
| Jars | 5.00 | | | 4792.00 | |
| Safety Joint | 3.00 | | | 4795.00 | |
| Packer | 5.00 | | | 4800.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4804.00 | |
| Stubb | 1.00 | | | 4805.00 | |
| Recorder | 0.00 | 8373 | Inside | 4805.00 | |
| Recorder | 0.00 | 8356 | Outside | 4805.00 | |
| Perforations | 1.00 | | | 4806.00 | |
| Change Over Sub | 1.00 | | | 4807.00 | |
| Drill Pipe | 62.00 | | | 4869.00 | |
| Change Over Sub | 1.00 | | | 4870.00 | |
| Perforations | 5.00 | | | 4875.00 | |
| Blank Off Sub | 1.00 | | | 4876.00 | 72.00 Tool Interval |
| Packer | 4.00 | | | 4880.00 | |
| Stubb | 1.00 | | | 4881.00 | |
| Perforations | 18.00 | | | 4899.00 | |
| Change Over Sub | 1.00 | | | 4900.00 | |
| Recorder | 0.00 | 8645 | Below | 4900.00 | |
| Drill Pipe | 94.00 | | | 4994.00 | |
| Change Over Sub | 1.00 | | | 4995.00 | |
| Bullnose | 5.00 | | | 5000.00 | 124.00 Bottom Packers & Anchor |
| Total Tool Length: | 224.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

PetroSantander Inc
6363 Woodway Dr Ste 350
Houston, TX 77057
ATTN: Wes Hansen

13-21s-35w Kearny, KS
CBH #2-13
Job Ticket: 50120 DST#: 1
Test Start: 2012.12.17 @ 17:41:12

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.19 in³
Resistivity: 0.00 ohm.m
Salinity: 2400.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 10.00 | ocm 10%o 90%m | 0.049 |

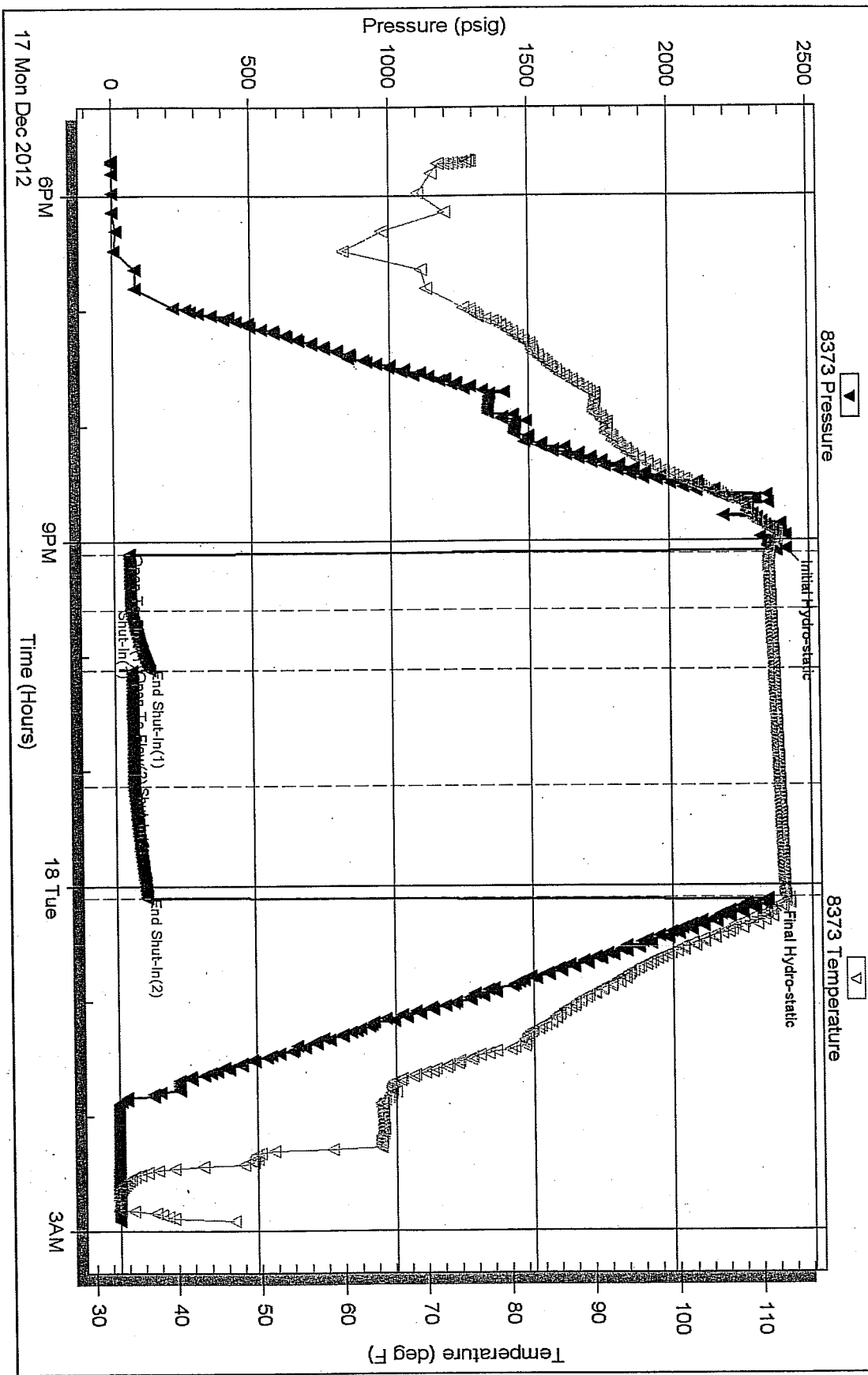
Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8373 Inside Petrosanlander Inc

CBH #2-13

DST Test Number: 1

Pressure vs. Time

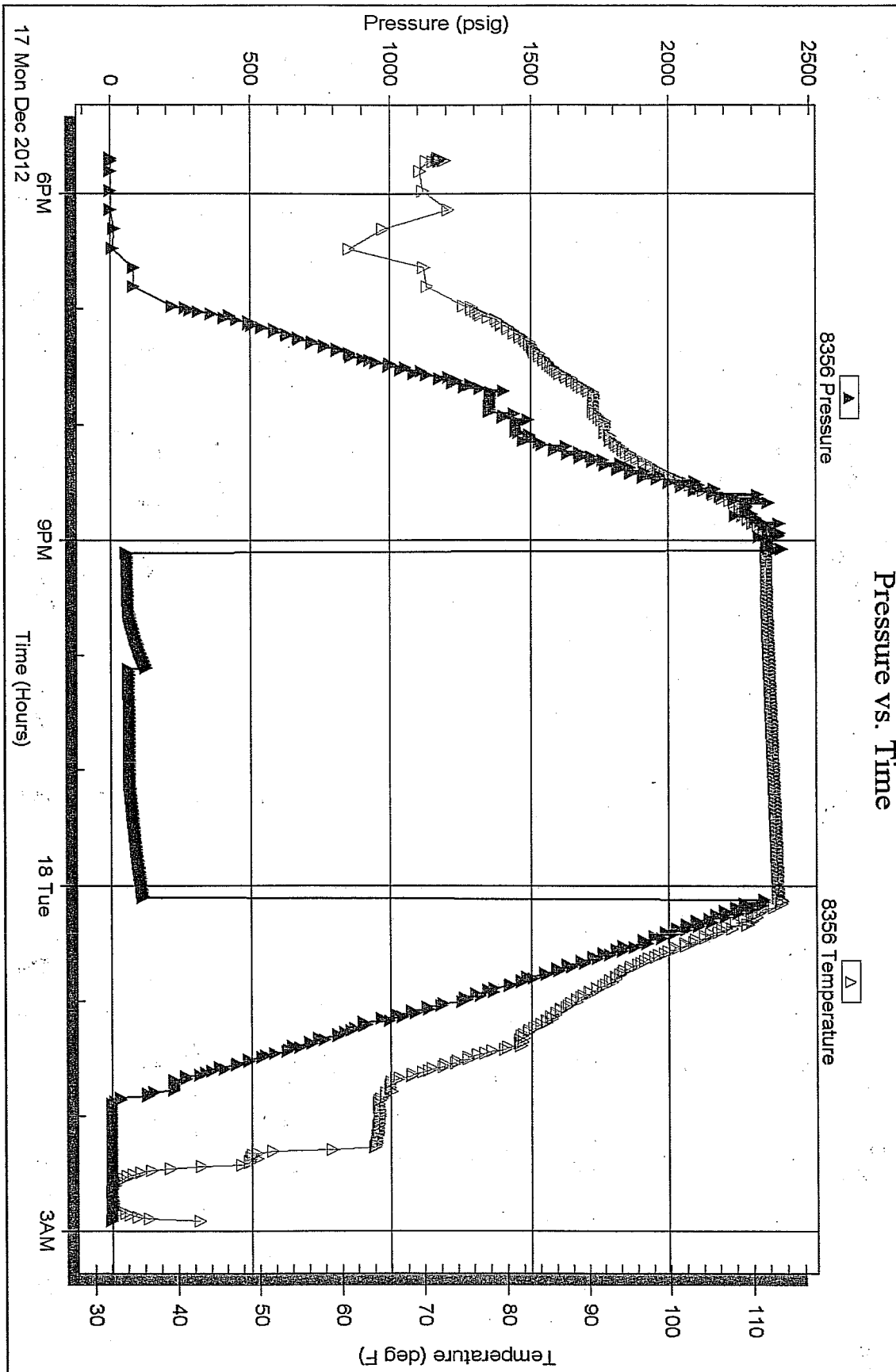


Serial #: 8356

Outside PetroSantander Inc

CBH #2-13

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50120

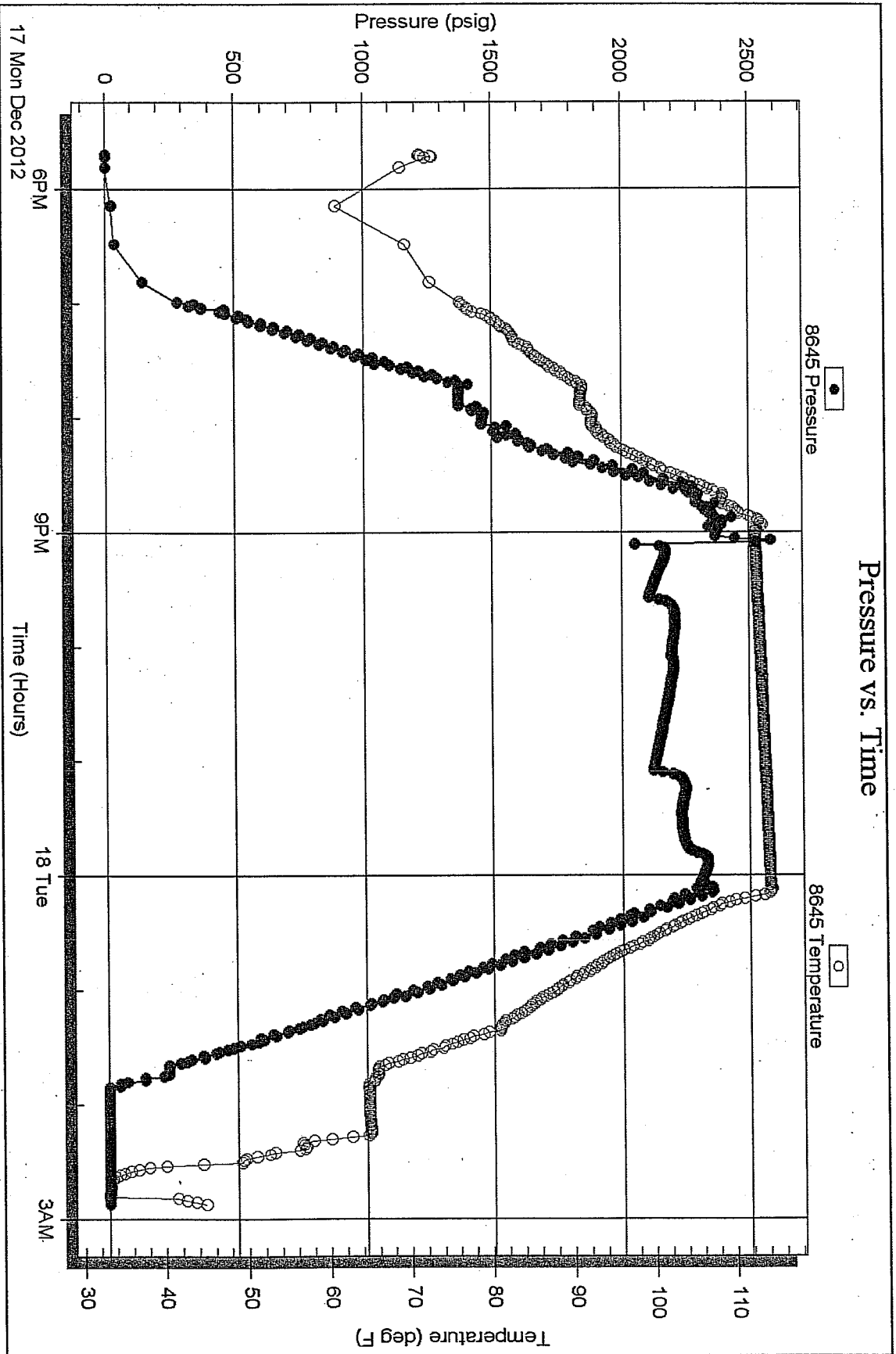
Printed: 2012.12.19 @ 10:11:00

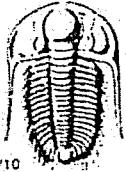
Serial #: 8645

Below (Straddles)lander Inc

CBH #2-13

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

No. 50120

Well Name & No. CBH 2-13 Test No. 1 Date 12-17-12
 Company Petrosmander Inc Elevation 3089 KB 3079 GL
 Address 6363 Woodway Dr Ste 350 Houston, TX 77057
 Co. Rep / Geo. Wes Hansen Rig Duke #6
 Location: Sec. 13 Twp. 21 Rge. 35 Co. Kerny State KS

Interval Tested 4804 4880 Zone Tested ??
 Anchor Length 76 Drill Pipe Run 4421 Mud Wt. 9.2
 Top Packer Depth 4804 Drill Collars Run 361 Vis 54
 Bottom Packer Depth 4880 Wt. Pipe Run --- WL 7.2
 Total Depth 5000 Chlorides 2400 ppm System LCM 3
 Blow Description IF: 1/4 blow died in 9 min.
IS: No return.
FF: No blow,
FS: No return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|-----------|------|-----------|------|
| <u>10</u> | <u>OCM</u> | <u>10</u> | | <u>90</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 10 BHT 112 Gravity --- API RW --- @ --- F Chlorides --- ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2416</u> | <input checked="" type="checkbox"/> Test <u>1250</u> | T-On Location <u>16:45</u> |
| (B) First Initial Flow <u>53</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>17:41</u> |
| (C) First Final Flow <u>59</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>21:06</u> |
| (D) Initial Shut-In <u>124</u> | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u> | T-Pulled <u>00:06</u> |
| (E) Second Initial Flow <u>61</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>2:55</u> |
| (F) Second Final Flow <u>64</u> | <input checked="" type="checkbox"/> Mileage <u>76-</u> <u>117.80</u> | Comments |
| (G) Final Shut-In <u>110</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2340</u> | <input checked="" type="checkbox"/> Straddle <u>600</u> | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input checked="" type="checkbox"/> Ruined Packer <u>2-</u> <u>640</u> |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>30</u> <u>60</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>640</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby | Total <u>2932.80</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>2292.80</u> | |

Approved By Wesley Hansen Our Representative [Signature]
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