

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs 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 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | |
|--|---|
| 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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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 | | | | |
| | | | | |

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| | | | | | |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | | | | |
| 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> | PRODUCTION INTERVAL: Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: | |
|----------------|-------|---------|------------|--|

| | |
|-----------|-------------------------|
| Form | ACO1 - Well Completion |
| Operator | Vincent Oil Corporation |
| Well Name | KEOUGH 11-34 |
| Doc ID | 1437751 |

All Electric Logs Run

| |
|-----------------|
| |
| Dual Induction |
| Density-Neutron |
| Micro-log |
| Sonic |

| | |
|-----------|-------------------------|
| Form | ACO1 - Well Completion |
| Operator | Vincent Oil Corporation |
| Well Name | KEOUGH 11-34 |
| Doc ID | 1437751 |

Tops

| Name | Top | Datum |
|---------------------|------|---------|
| Heebner Shale | 4348 | (-1809) |
| Brown Limestone | 4488 | (-1949) |
| Lansing | 4500 | (-1961) |
| Stark Shale | 4840 | (-2301) |
| Base Kansas City | 4966 | (-2427) |
| Pawnee | 5052 | (-2513) |
| Cherokee Shale | 5095 | (-2556) |
| Base Penn Limestone | 5193 | (-2654) |
| Morrow Sand | 5209 | (-2670) |
| Mississippian | 5226 | (-2687) |
| RTD | 5375 | (-2836) |
| LTD | 5380 | (-2841) |

| | |
|-----------|-------------------------|
| Form | ACO1 - Well Completion |
| Operator | Vincent Oil Corporation |
| Well Name | KEOUGH 11-34 |
| Doc ID | 1437751 |

Perforations

| Shots Per Foot | Perforation Top | Perforation Bottom | BridgePlugType | BridgePlugSet At | Material Record |
|----------------|-----------------|--------------------|----------------|------------------|--|
| 1 | 5230 | 5236 | | | |
| 1 | 5254 | 5262 | | | |
| 1 | 5266 | 5268 | | | |
| 1 | 5270 | 5272 | | | Perf 5230 to 5272 OA, ran tubing & packer, treated with 500 gal MCA (15%). |
| | | | | | swabbed 2 hrs, 50 % Oil, fluid at 3900'; moved tubing & packer , treated with 2000 gal (15%) NEFE, |
| | | | | | swabbed 3 hrs, 40% Oil, well try to flow, SDFN |
| | | | | | FL at 2700', swabbed 4 hrs, 60% Oil, well trying to flow,, SI, SDFN |

| | |
|-----------|-------------------------|
| Form | ACO1 - Well Completion |
| Operator | Vincent Oil Corporation |
| Well Name | KEOUGH 11-34 |
| Doc ID | 1437751 |

Perforations

| Shots Per Foot | Perforation Top | Perforation Bottom | BridgePlugType | BridgePlugSet At | Material Record |
|----------------|-----------------|--------------------|----------------|------------------|---|
| | | | | | SITP 1000 PSI, blow well down, well kick off flowing (95% Oil), rigged up kill truck & killed well 30 bbls lease water, |
| | | | | | pulled tubing and packer, ran 167 joint of tubing & packed off tubing head, SDFN |
| | | | | | Swabbed well down, ran downhole pump and rods, set surface equip, turned to production |

QUALITY WELL SERVICE, INC.

6939

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|-----------------------------------|---------------------|------------|--------------------------|--|-------|-------------|--------|
| 10-9-13 | 34 | 23S | 23W | Ford | Ks | | |
| Lease | Well No. | | Location | | | | |
| | 11-34 | | Kingsdown Rd 2nd 3 1/2 W | | | | |
| Contractor | Duke Oelg. P.O. # 1 | | | Owner | | | |
| Type Job | SWF | | | To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | | | |
| Hole Size | 12 1/4 | T.D. | 647' | Charge To | | | |
| Csg. | 3 3/8 | Depth | 646' | VICTOR OIL CORPORATION | | | |
| Tbg. Size | | Depth | | Street | | | |
| Tool | | Depth | | City | | | |
| | | | | State | | | |
| Cement Left in Csg. | 42.14 | Shoe Joint | 42.14 | The above was done to satisfaction and supervision of owner agent or contractor. | | | |
| Meas Line | | Displace | 33.37 | Cement Amount Ordered | | | |
| | | | | 725# MOC 31.6 C 1/4 CF | | | |
| EQUIPMENT | | | | 150# Common | | | |
| Pumptrk | 83 | No. | T-10 | Common | 150 | | |
| Bulktrk | 7 | No. | JAKE | P-115 | 125 | | |
| Bulktrk | 12 | No. | T5 | Gel. | 11 | | |
| Pickup | | No. | | Calcium | 10 | | |
| JOB SERVICES & REMARKS | | | | Hulls | | | |
| Rat Hole | | | | Salt | | | |
| Mouse Hole | | | | Flowseal | | | |
| | | | | 66.25 | | | |
| Centralizers | | | | Kol-Seal | | | |
| Baskets | | | | Mud CLR 48 | | | |
| D/V or Port Collar | | | | CFL-117 or CD110 CAF 38 | | | |
| Run 15 # 3 3/8 23" csg set 646' | | | | Sand | | | |
| csg at Bottom; Hook up to csg | | | | Handling | | | |
| Break csg w/els | | | | 296 | | | |
| Pump 15 # 112 | | | | Mileage | | | |
| csg mix - Pump lead 125# MOC | | | | 60 / 9500 | | | |
| 3% C 1/4 CF | | | | 878 FLOAT EQUIPMENT | | | |
| Misc Pump Tail 150# Common | | | | Guide Shoe | | | |
| 2.66 3% C | | | | 1 EA 13AF5E Plate | | | |
| SHUT DOWN Release 3 3/8 W P 6' | | | | Centralizer | | | |
| SAND DISP | | | | 1 EA Whoppers Plus | | | |
| Please pump 500# | | | | Baskets | | | |
| Close Valve! Release PS | | | | AFU Inserts | | | |
| Good csg thru 803 | | | | Float Shoe | | | |
| Csg Csg to Pit | | | | Latch Down | | | |
| Thank you Please Call DEAN | | | | SERVING SPECIALISTS | | | |
| Ford T5 JAKE | | | | LWD 60 | | | |
| | | | | Pumptrk Charge | | | |
| | | | | SEI - 500 1500 | | | |
| | | | | Mileage | | | |
| | | | | 120 | | | |
| | | | | Tax | | | |
| | | | | Discount | | | |
| | | | | Total Charge | | | |
| Signature | | | | | | | |

QUALITY WELL SERVICE, INC.

6950

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|---|-----------------------|-------------------------|--|--|-------|-------------|--------|
| 10-13-13 | 39 | 23S | 23W | FORD | KS | | |
| Lease <u>KEUOH</u> | Well No. <u>11-34</u> | | Location <u>Kingsdown 2 N 3 E 11 E 1/4</u> | | | | |
| Contractor <u>Duke Dora</u> | | | | Owner | | | |
| Type Job <u>4 1/2 L.S.</u> | | | | To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | | | |
| Hole Size <u>7 7/8</u> | | T.D. <u>5375'</u> | | Charge To <u>Vincent Oil Corp</u> | | | |
| Csg. <u>4 1/2 11.6"</u> | | Depth <u>5370'</u> | | Street | | | |
| Tbg. Size | | Depth | | City | | | |
| Tool | | Depth | | State | | | |
| Cement Left in Csg. <u>10.97</u> | | Shoe Joint <u>10.97</u> | | The above was done to satisfaction and supervision of owner agent or contractor. | | | |
| Meas Line | | Displace <u>33.06</u> | | Cement Amount Ordered | | | |
| EQUIPMENT | | | | | | | |
| Pumptrk | No. <u>3</u> | <u>TJ</u> | | Common <u>200</u> | | | |
| Bulktrk | No. <u>10</u> | <u>JFK</u> | | Poz. Mix | | | |
| Bulktrk | No. | | | Gel. <u>4</u> | | | |
| Pickup | No. | | | Calcium | | | |
| JOB SERVICES & REMARKS | | | | | | | |
| Rat Hole <u>2x</u> | | | | Hulls | | | |
| Mouse Hole <u>2x</u> | | | | Salt <u>22</u> | | | |
| Centralizers <u>1-3-5-7-11</u> | | | | Flowseal | | | |
| Baskets | | | | Kol-Seal <u>1000</u> | | | |
| D/V or Port Collar | | | | Mud CLR 48 <u>500 gal</u> | | | |
| <u>Run 121 # 4 1/2 11.6" csg to 5370'</u> | | | | CFL-117 or CD110 CAF 38 | | | |
| <u>Hook up to csg. 2200 1 1/2" size 1 1/2"</u> | | | | Sand | | | |
| <u>working</u> | | | | Handling <u>226</u> | | | |
| <u>From 5 wells No 12 1/4 11.6" 5 wells 11.6"</u> | | | | Mileage <u>60</u> | | | |
| <u>Plug Kit / Plug Holes</u> | | | | 4 1/2" FLOAT EQUIPMENT | | | |
| <u>Down pipe / Pump 1500 Dan 109</u> | | | | Guide Shoe <u>1 EA</u> | | | |
| <u>SHUT DOWN with up to 1000 release</u> | | | | Centralizer <u>6 EA</u> | | | |
| <u>TOP Rubber Plug</u> | | | | Baskets <u>1 EA</u> | | | |
| <u>SPAC DISC 6 1/2" / 7" KCL</u> | | | | AFU Inserts | | | |
| <u>1 1/2" PS 72 out 600' slow rate</u> | | | | Float Shoe | | | |
| <u>Land Plug 1.220'</u> | | | | Latch Down | | | |
| <u>PS up 1500' release / 11.6"</u> | | | | LNU <u>60</u> | | | |
| <u>2200' csg thru TOB</u> | | | | Pumptrk Charge <u>2000</u> | | | |
| <u>+ 1000' 400'</u> | | | | Mileage <u>120</u> | | | |
| <u>PLEASE CALL DORA</u> | | | | Tax | | | |
| <u>TOO TO JAKE</u> | | | | | | | |
| <u>For Lincoln</u> | | | | Discount | | | |
| X Signature | | | | Total Charge | | | |



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 200 W Douglas Ave 725
 Wichita, Ks 67202
 ATTN: Tom Dudgeon

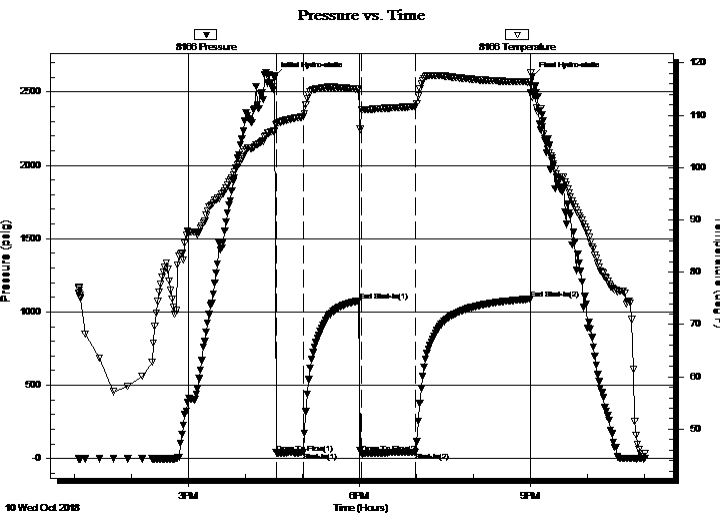
34-28-23w Ford Ks
Keough 11-34
 Job Ticket: 64260 **DST#: 1**
 Test Start: 2018.10.10 @ 13:03:52

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:32:22
 Time Test Ended: 23:00:52
 Interval: **5166.00 ft (KB) To 5213.00 ft (KB) (TVD)**
 Total Depth: 5213.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2539.00 ft (KB)
 2527.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 43.48 psig @ 5167.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.10.10 End Date: 2018.10.10 Last Calib.: 2018.10.10
 Start Time: 13:03:57 End Time: 23:00:52 Time On Btm: 2018.10.10 @ 16:29:52
 Time Off Btm: 2018.10.10 @ 21:01:52

TEST COMMENT: IF: BOB in 30 ses. Gas to surface in 20 min.
 IS: No return.
 FF: BOB Gauged gas.
 FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2608.61 | 106.92 | Initial Hydro-static |
| 3 | 38.11 | 108.34 | Open To Flow (1) |
| 31 | 41.64 | 109.69 | Shut-In(1) |
| 90 | 1076.98 | 114.97 | End Shut-In(1) |
| 93 | 33.35 | 111.06 | Open To Flow (2) |
| 150 | 43.48 | 111.65 | Shut-In(2) |
| 270 | 1088.52 | 116.35 | End Shut-In(2) |
| 272 | 2604.30 | 113.41 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 30.00 | mud 100%m | 0.42 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13 | 9.89 | 9.09 |
| Last Gas Rate | 0.13 | 18.48 | 11.53 |
| Max. Gas Rate | 0.13 | 18.48 | 11.53 |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

34-28-23w Ford Ks

200 W Douglas Ave 725
Wichita, Ks 67202

Keough 11-34

Job Ticket: 64260

DST#: 1

ATTN: Tom Dudgeon

Test Start: 2018.10.10 @ 13:03:52

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 74.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 30.00 | mud 100%m | 0.421 |

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation

34-28-23w Ford Ks

200 W Douglas Ave 725
Wichita, Ks 67202

Keough 11-34

Job Ticket: 64260

DST#: 1

ATTN: Tom Dudgeon

Test Start: 2018.10.10 @ 13:03:52

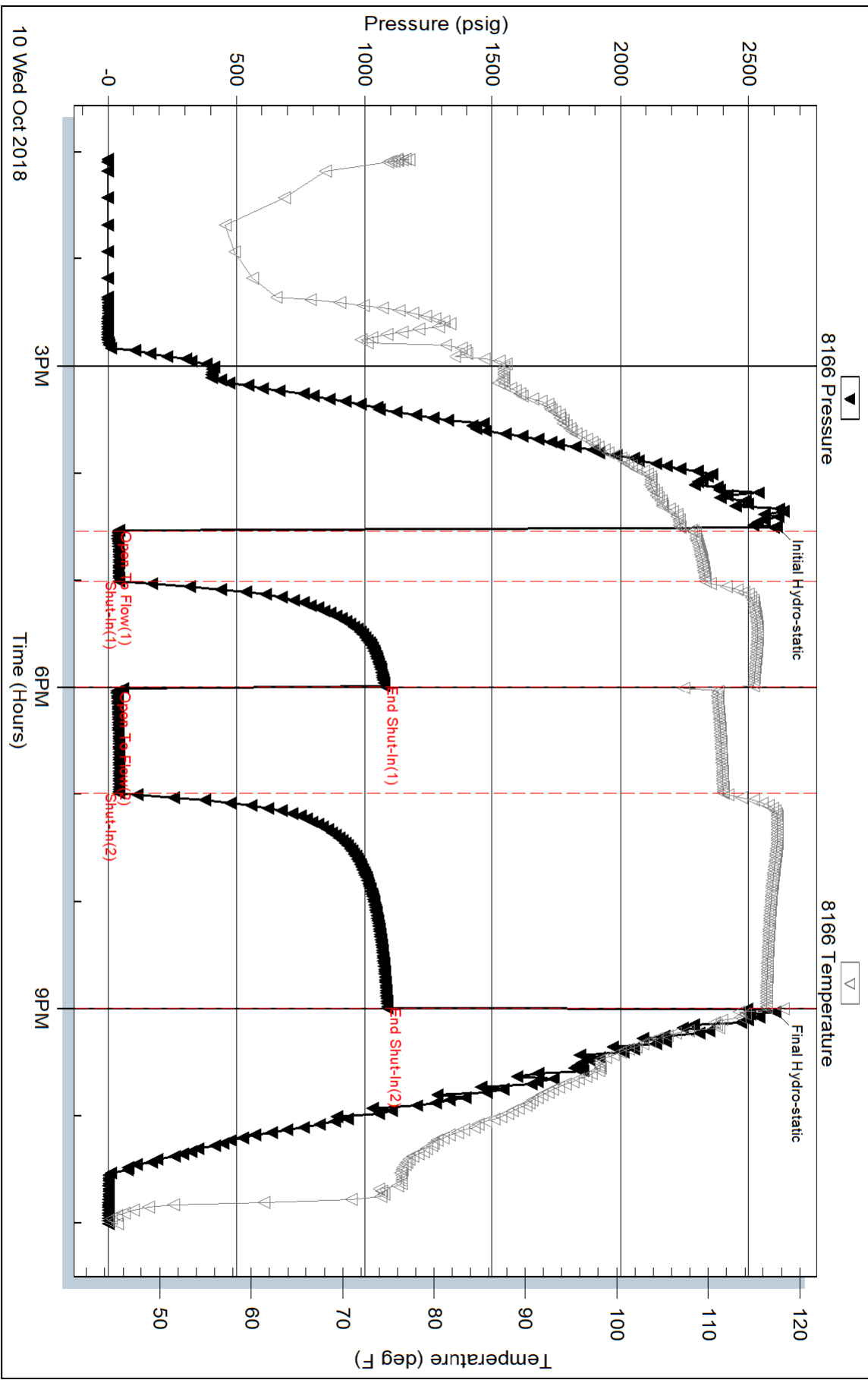
Gas Rates Information

Temperature: 131 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|-------------|--------------|----------------|-----------------|------------------|
| 2 | 5 | 0.13 | 9.89 | 9.09 |
| 2 | 10 | 0.13 | 11.42 | 9.06 |
| 2 | 20 | 0.13 | 13.56 | 9.81 |
| 2 | 30 | 0.13 | 15.20 | 10.38 |
| 2 | 40 | 0.13 | 16.52 | 10.84 |
| 2 | 50 | 0.13 | 17.71 | 11.26 |
| 2 | 60 | 0.13 | 18.48 | 11.53 |

Pressure vs. Time



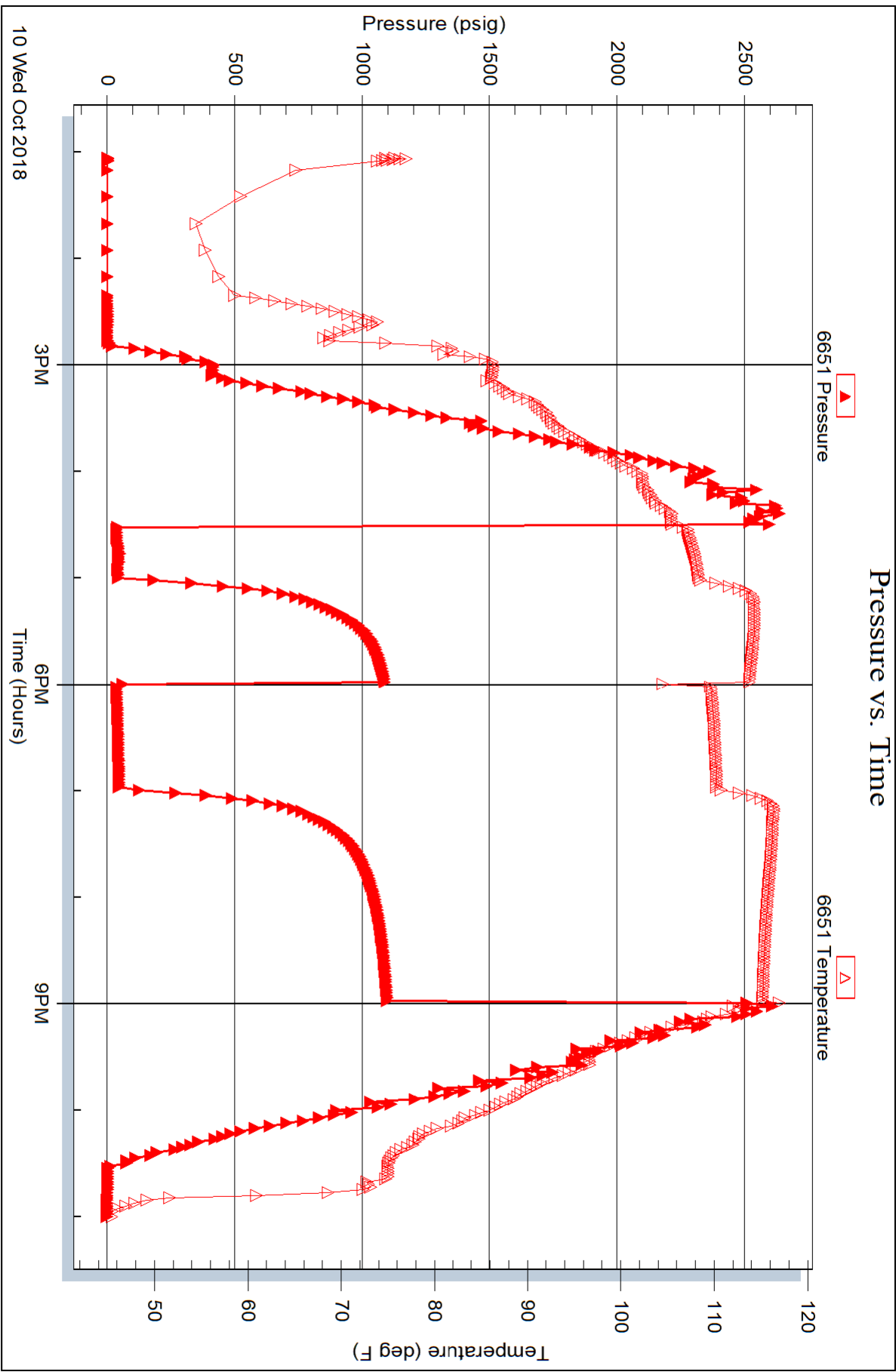
Serial #: 6651

Inside

Vincent Oil Corporation

Keough 11-34

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 200 W Douglas Ave 725
 Wichita, Ks 67202
 ATTN: Tom Dudgeon

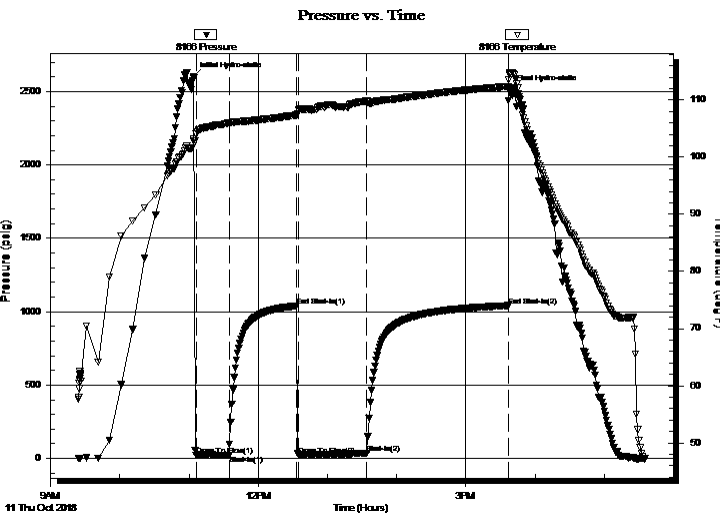
34-28-23w Ford Ks
Keough 11-34
 Job Ticket: 64261 **DST#: 2**
 Test Start: 2018.10.11 @ 09:24:09

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:06:09
 Time Test Ended: 17:35:09
 Interval: **5225.00 ft (KB) To 5252.00 ft (KB) (TVD)**
 Total Depth: 5252.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2539.00 ft (KB)
 2527.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 36.50 psig @ 5226.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.10.11 End Date: 2018.10.11 Last Calib.: 2018.10.11
 Start Time: 09:24:14 End Time: 17:35:08 Time On Btm: 2018.10.11 @ 11:03:39
 Time Off Btm: 2018.10.11 @ 15:37:39

TEST COMMENT: IF: BOB Gas to surface in 27 min.
 IS: No return.
 FF: BOB Gauged Gas
 FS: Surface blow built to 3/4.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2601.53 | 102.90 | Initial Hydro-static |
| 3 | 19.41 | 104.00 | Open To Flow (1) |
| 31 | 23.41 | 106.04 | Shut-In(1) |
| 90 | 1039.63 | 107.35 | End Shut-In(1) |
| 92 | 24.96 | 108.32 | Open To Flow (2) |
| 151 | 36.50 | 109.87 | Shut-In(2) |
| 273 | 1041.43 | 112.40 | End Shut-In(2) |
| 274 | 2513.51 | 114.42 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 60.00 | gocm 5%g 10%o 85%m | 0.84 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13 | 5.88 | 7.11 |
| Last Gas Rate | 0.13 | 5.57 | 7.02 |
| Max. Gas Rate | 0.13 | 5.88 | 7.11 |



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

34-28-23w Ford Ks

200 W Douglas Ave 725
Wichita, Ks 67202

Keough 11-34

Job Ticket: 64261

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2018.10.11 @ 09:24:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 74.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------|---------------|
| 60.00 | gocm 5%g 10%o 85%m | 0.842 |

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation

34-28-23w Ford Ks

200 W Douglas Ave 725
Wichita, Ks 67202

Keough 11-34

Job Ticket: 64261

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2018.10.11 @ 09:24:09

Gas Rates Information

Temperature: 129 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

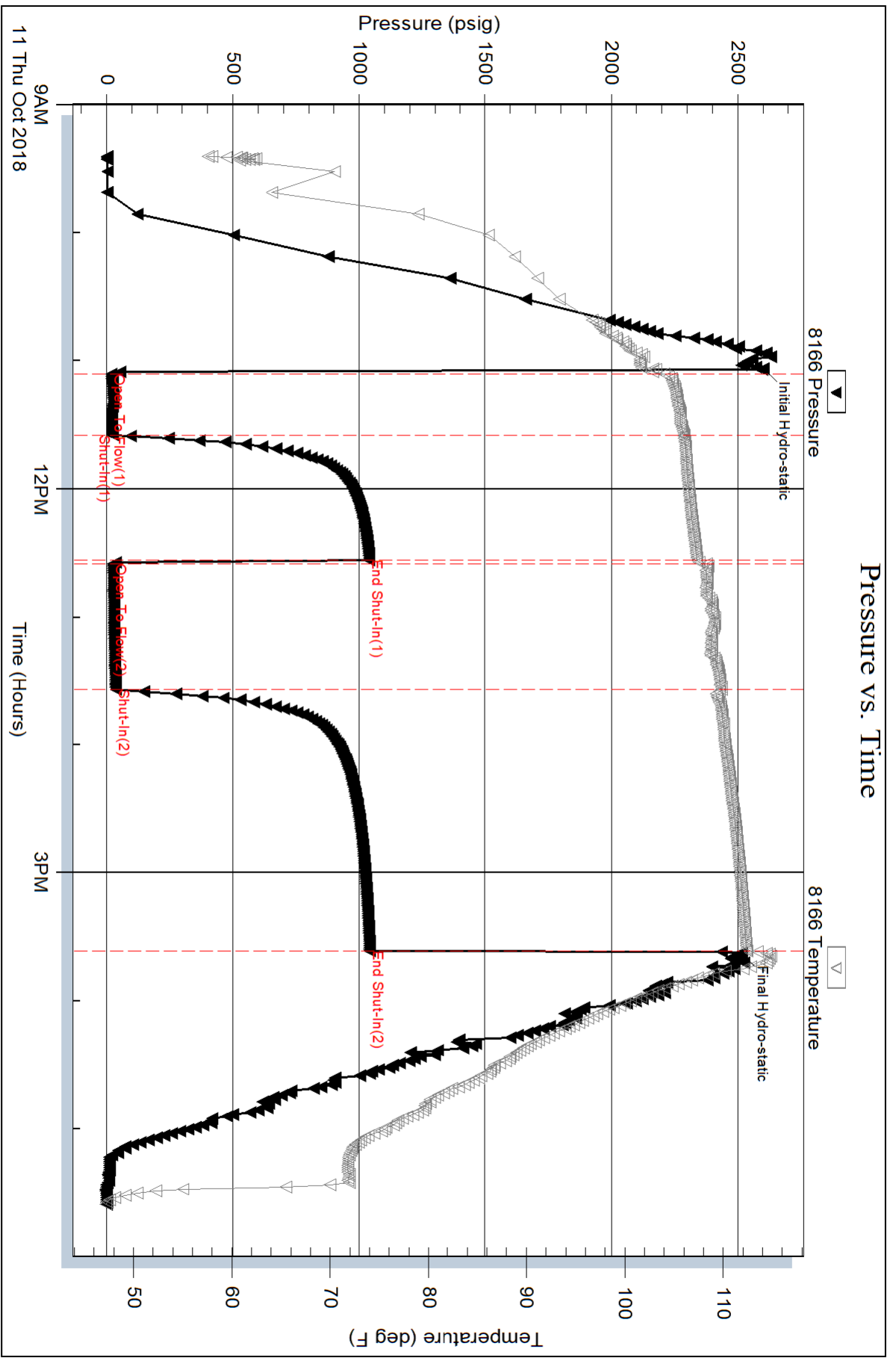
| Flow Period | Elapsed Time | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|-------------|--------------|----------------|-----------------|------------------|
| 2 | 5 | 0.13 | 5.88 | 7.11 |
| 2 | 5 | 0.13 | 5.88 | 7.13 |
| 2 | 5 | 0.13 | 5.88 | 7.13 |
| 2 | 10 | 0.13 | 5.33 | 6.93 |
| 2 | 20 | 0.13 | 4.92 | 6.79 |
| 2 | 30 | 0.13 | 4.81 | 6.75 |
| 2 | 40 | 0.13 | 5.14 | 6.86 |
| 2 | 50 | 0.13 | 5.57 | 7.02 |

Serial #: 8166

Outside Vincent Oil Corporation

Keough 11-34

DST Test Number: 2



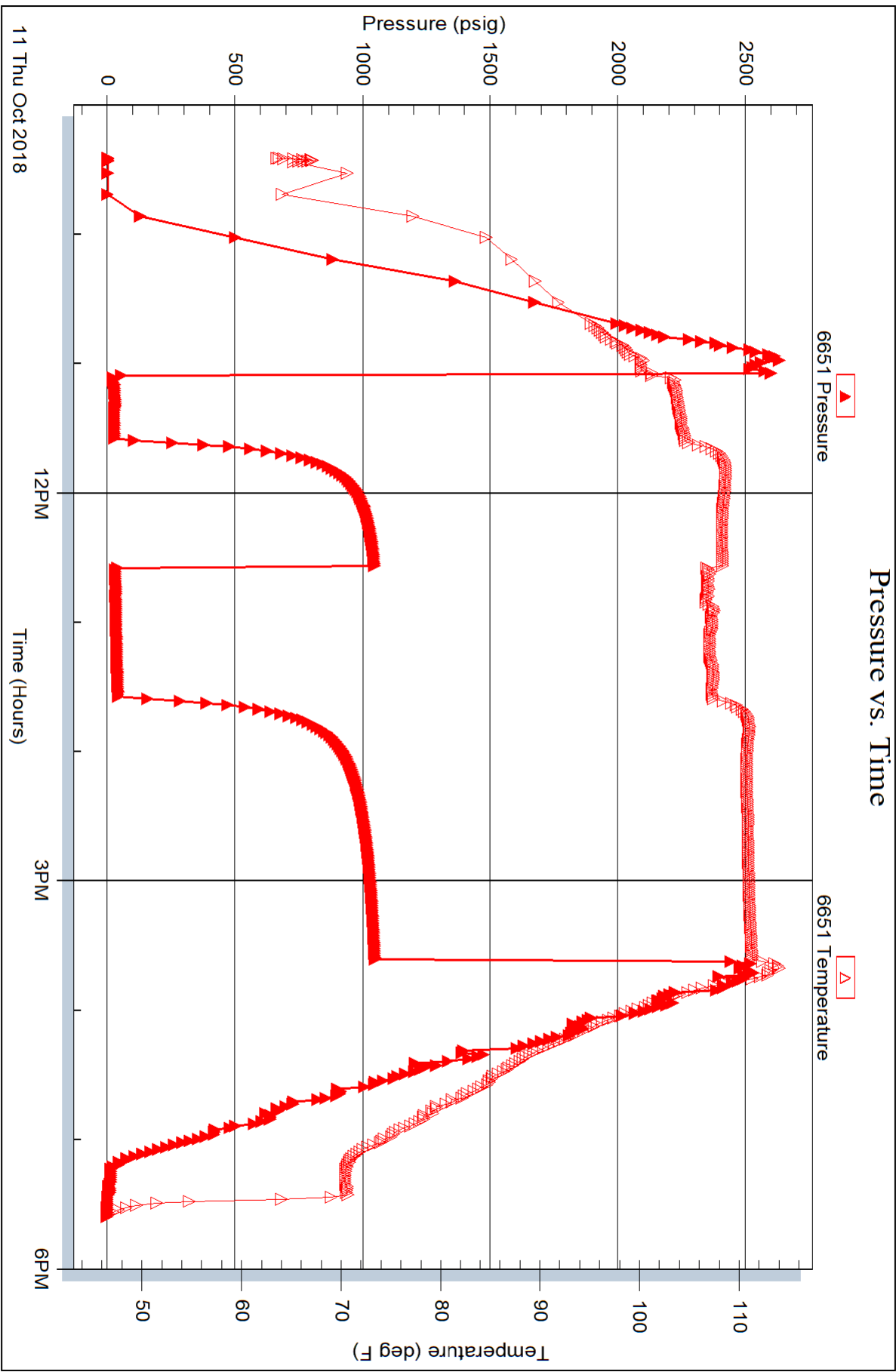
Serial #: 6651

Inside

Vincent Oil Corporation

Keough 11-34

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation
200 W Douglas Ave 725
Wichita, Ks 67202
ATTN: Tom Dudgeon

34-28-23w Ford Ks

Keough 11-34

Job Ticket: 64262

DST#: 3

Test Start: 2018.10.12 @ 01:56:19

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:52:49
 Time Test Ended: 11:33:49
 Interval: **5252.00 ft (KB) To 5272.00 ft (KB) (TVD)**
 Total Depth: 5272.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2539.00 ft (KB)
 2527.00 ft (CF)
 KB to GR/CF: 12.00 ft

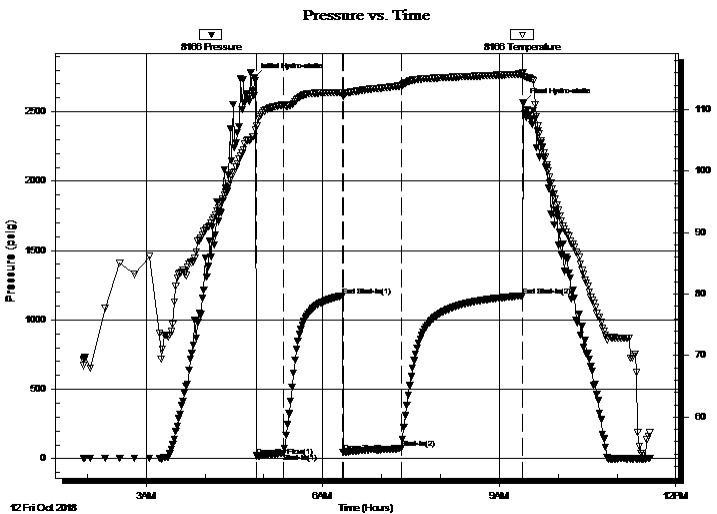
Serial #: 8166

Outside

Press@RunDepth: 74.99 psig @ 5253.00 ft (KB)
 Start Date: 2018.10.12 End Date: 2018.10.12
 Start Time: 01:56:24 End Time: 11:33:49
 Capacity: 8000.00 psig
 Last Calib.: 2018.10.12
 Time On Btm: 2018.10.12 @ 04:50:19
 Time Off Btm: 2018.10.12 @ 09:24:19

TEST COMMENT: IF: BOB in 2 min. 136"
 IS: No return.
 FF: BOB Gas to surface in 33 min.
 FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2743.51 | 105.72 | Initial Hydro-static |
| 3 | 21.37 | 107.43 | Open To Flow (1) |
| 30 | 40.00 | 110.82 | Shut-In(1) |
| 90 | 1172.45 | 112.77 | End Shut-In(1) |
| 91 | 45.07 | 112.13 | Open To Flow (2) |
| 150 | 74.99 | 113.90 | Shut-In(2) |
| 273 | 1174.08 | 115.81 | End Shut-In(2) |
| 274 | 2562.97 | 116.08 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 126.00 | gocw m 20%g 10%o 5%w 65%m | 1.77 |
| 40.00 | gocm 10%g 15%o 75%m | 0.56 |
| 5.00 | free oil 100%o | 0.07 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13 | 1.39 | 5.57 |
| Last Gas Rate | 0.13 | 1.51 | 5.61 |
| Max. Gas Rate | 0.13 | 1.51 | 5.61 |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

34-28-23w Ford Ks

200 W Douglas Ave 725
Wichita, Ks 67202

Keough 11-34

Job Ticket: 64262

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2018.10.12 @ 01:56:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.29 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 126.00 | gocw m 20%g 10%o 5%w 65%m | 1.767 |
| 40.00 | gocm 10%g 15%o 75%m | 0.561 |
| 5.00 | free oil 100%o | 0.070 |

Total Length: 171.00 ft

Total Volume: 2.398 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation

34-28-23w Ford Ks

200 W Douglas Ave 725
Wichita, Ks 67202

Keough 11-34

Job Ticket: 64262

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2018.10.12 @ 01:56:19

Gas Rates Information

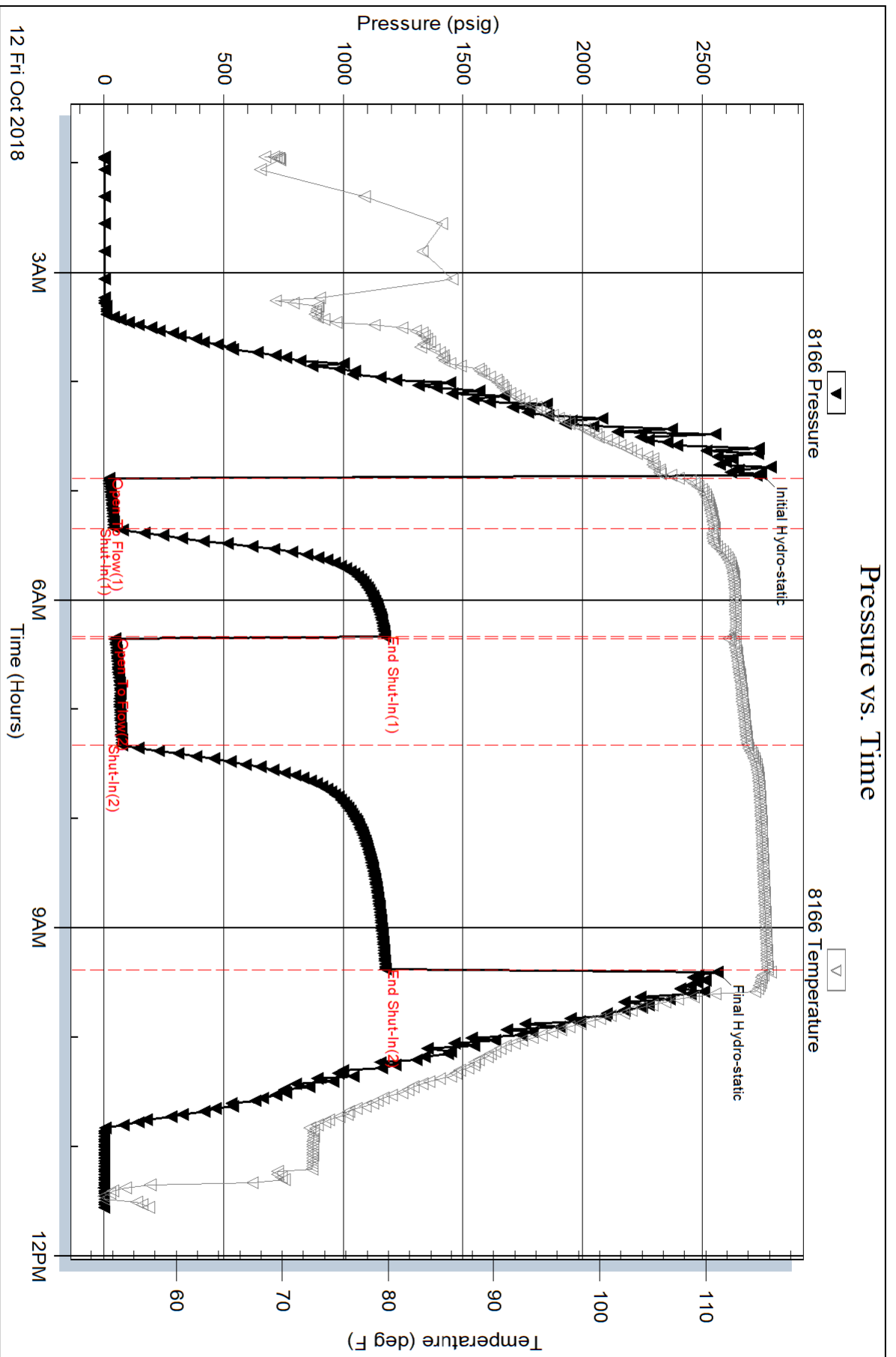
Temperature: 125 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|-------------|--------------|----------------|-----------------|------------------|
| 2 | 40 | 0.13 | 1.39 | 5.57 |
| 2 | 45 | 0.13 | 1.39 | 5.57 |
| 2 | 50 | 0.13 | 1.48 | 5.60 |
| 2 | 55 | 0.13 | 1.50 | 5.60 |
| 2 | 60 | 0.13 | 1.51 | 5.61 |



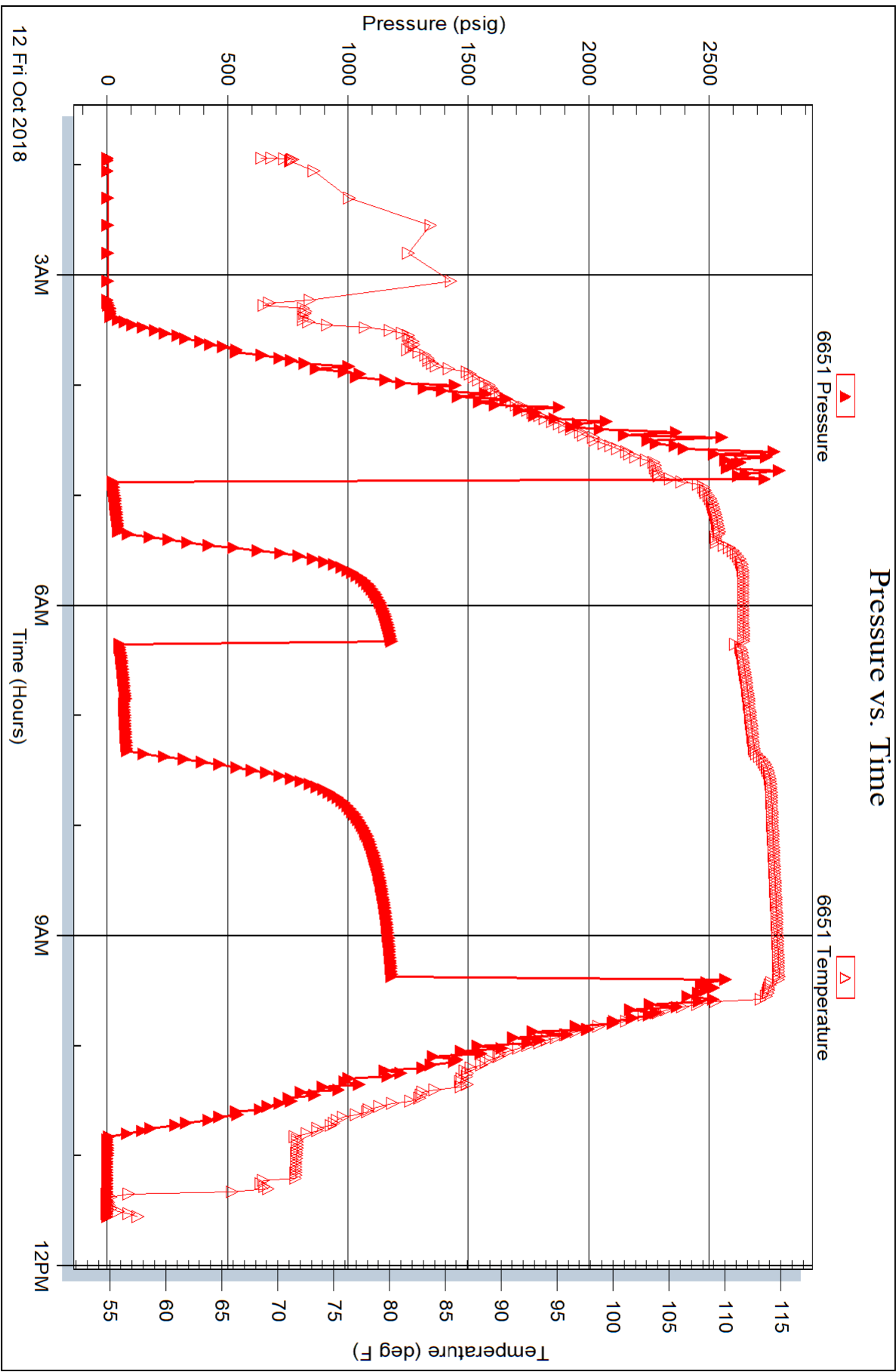
Serial #: 6651

Inside

Vincent Oil Corporation

Keough 11-34

DST Test Number: 3





Scale 1:240 Imperial

Well Name: Keough 11-34
 Surface Location: 2314' FNL 1956' FEL 34-28S-23W
 Bottom Location:
 API: 15-057-21002-00-00
 License Number: 5004
 Spud Date: 10/3/2018 Time: 1:15 PM
 Region: South West KS
 Drilling Completed: 10/12/2018 Time: 9:01 PM
 Surface Coordinates: 2314' FNL & 1956' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 2527.00ft
 K.B. Elevation: 2539.00ft
 Logged Interval: 4250.00ft To: 5375.00ft
 Total Depth: 5375.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical Mud

OPERATOR

Company: Vincent Oil Corporation
 Address: 200 W Douglas Ave.
 Ste 725
 Wichita, KS 67202
 Contact Geologist: Dick Jordan
 Contact Phone Nbr: 316.262.3573
 Well Name: Keough 11-34
 Location: 2314' FNL 1956' FEL 34-28S-23W
 API: 15-057-21002-00-00
 Pool: Development
 State: KS
 Field: Mulberry Creek
 Country: USA

CONTRACTOR

Contractor: Duke Drilling Co., Inc.
 Rig #: 1
 Rig Type: Mud Rotary
 Spud Date: 10/3/2018 Time: 1:15 PM
 TD Date: 10/12/2018 Time: 9:01 PM
 Rig Release: 10/14/2018 Time: 2:30 AM

LOGGED BY

Company: Vincent Oil Corporation
 Address:
 Phone Nbr: 316.262.3573
 Logged By: Geologist Name: Tom Dudgeon

ELEVATIONS

K.B. Elevation: 2539.00ft Ground Elevation: 2527.00ft

R.B. Elevation: 2539.00ft Ground Elevation: 2527.00ft
 K.B. to Ground: 12.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -99.8200282
 Latitude: 37.5656618
 N/S Co-ord: 2314' FNL
 E/W Co-ord: 1956' FEL

TOTAL DEPTH

| | | |
|-------------------|--------------------|---------|
| Measurement Type: | Measurement Depth: | TVD: |
| LTD | 5380.00 | 5380.00 |
| RTD | 5375.00 | 5380.00 |

DRILLING FLUID SUMMARY

| | | | |
|--------------|-----------|------------|-----------|
| Type | Date | From Depth | To Depth |
| Chemical Mud | 10/6/2018 | 3794.00ft | 5380.00ft |

OPEN HOLE LOGS

Logging Company: ELI
 Logging Engineer: Jason Cappellucci
 Truck #: 3802
 Logging Date: 10/13/2018 Time Spent: 5
 # Logs Run: 4 # Logs Run Successful: 4

LOGS RUN

| Tool | Logged Interval | Logged Interval | Hours | Remarks | Run # |
|------------|-----------------|-----------------|-------|---------|-------|
| Dual | 0.00ft | 5380.00ft | 2.00 | | 1 |
| Neu/Den/PE | 4250.00ft | 5380.00ft | 2.00 | | 1 |
| Micro | 4250.00ft | 5380.00ft | 3.00 | | 2 |
| Sonic | 0.00ft | 5380.00ft | 3.00 | | 2 |

LOGGING OPERATION SUMMARY

| Date | From | To | Description Of Operation |
|------------|--------|-----------|--------------------------|
| 10/12/2018 | 0.00ft | 5380.00ft | Log Run Successfully |

CASING SUMMARY

| | Surface | Intermediate | Main | | |
|-------------|----------|--------------|---------|-------------|---------------------|
| Bit Size | 12.25 in | | 7.88 in | | |
| Hole Size | 12.25 in | | 7.88 in | | |
| | Size | Set At | Type | # of Joints | Drilled Out At |
| Surf Casing | 8.625 in | 647 ft | 23# | 15 | 10/3/2018 3:30 AM |
| Int Casing | | | | | |
| Prod Casing | 4.5 in | 5370 ft | 11.6# | 121 | 10/14/2018 12:30 AM |

CASING SEQUENCE

| Type | Hole Size | Casing Size | At |
|------------|-----------|-------------|------------|
| Surface | 12.25 in | 8.63 | 647.00 ft |
| Production | 7.88 in | 4.50 | 5370.00 ft |

NOTES

| | | | | |
|--------------------------|--------------|--------------|---------------------------------|---------------------|
| Keough 11-34 Tops | | | | |
| | | | KB | 2539 |
| Top | Depth | Datum | Struct. Pos. Keough 8-34 | |
| HBR | 4360 | -1821 | 11 | 3015' FSL & 865 FEL |
| BL | 4495 | -1956 | 9 | 34-28-23W |
| LANS | 4507 | -1968 | 10 | |
| STARK | 4840 | -2301 | -4 | |
| HUSH | 4883 | -2344 | -7 | |
| BKC | 4957 | -2418 | FLT | |

| | | | | | |
|--------|------|-------|----|--|--|
| MARM | 4972 | -2433 | 3 | | |
| PAWNEE | 5052 | -2513 | 2 | | |
| LAB | 5075 | -2536 | 4 | | |
| CHER | 5095 | -2556 | 2 | | |
| B/PENN | 5191 | -2652 | 6 | | |
| MISS | 5220 | -2681 | 10 | | |

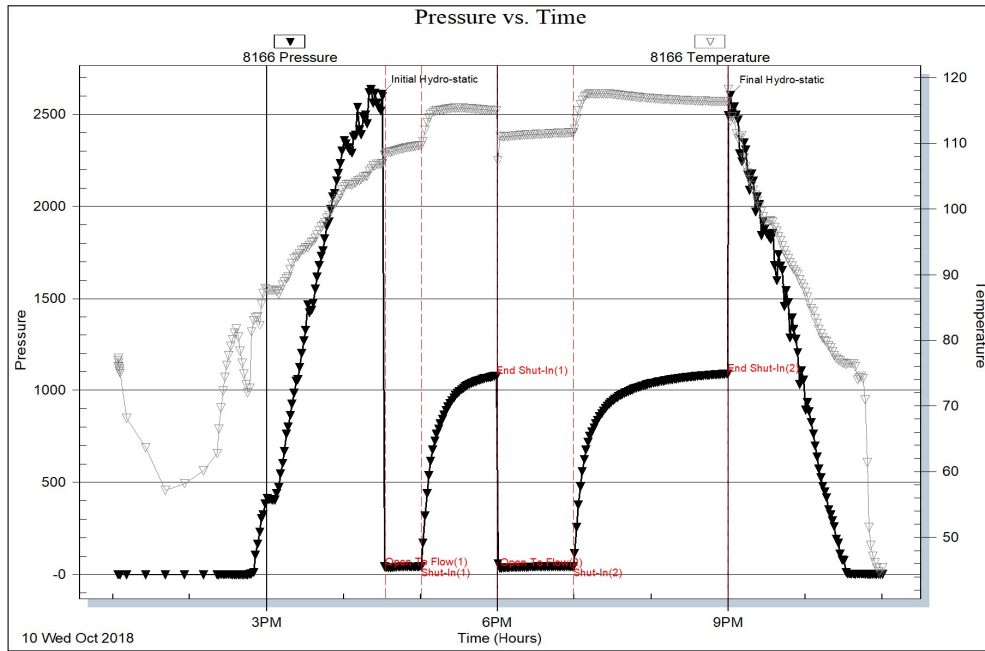
Surface Casing cemented with 125 sx MDC (2% Gel, 3% CC & 1/4# Flo-seal/sx) and 150 sx Common (2% Gel, 3% CC & 1/4# Flo-seal/sx)

Production Casing cemented with 170 sx Pro C cement.

The rathole was plugged with 30 sx and the mousehole was plugged with 20 sx

DST #1

Serial #: 8166 Outside Vincent Oil Corporation Keough #11-34 DST Test Number: 1



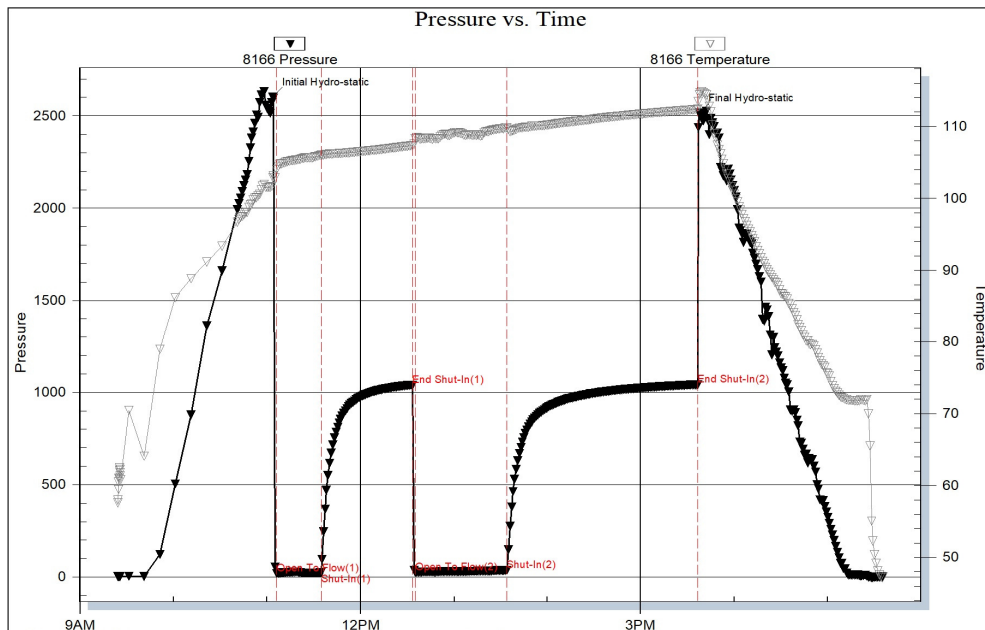
Trilobite Testing, Inc

Ref. No: 64260

Printed: 2018.10.15 @ 15:13:55

DST #2

Serial #: 8166 Outside Vincent Oil Corporation Keough #11-34 DST Test Number: 2



DST #3

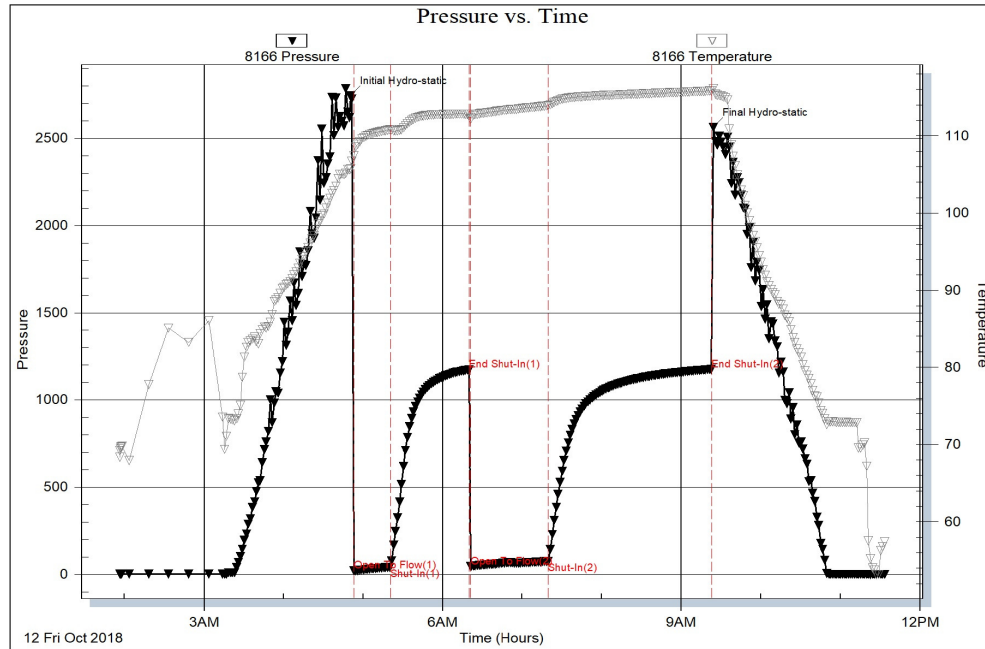
Serial #: 8166

Outside

Vincent Oil Corporation

Keough #11-34

DST Test Number: 3



ROCK TYPES

| | | | |
|-----------|-----------|----------|----------|
| Coal | Lmst fw>7 | Shblk | CglSandy |
| Dolsec | Ss | Shcol | |
| Lmst fw<7 | Shgy | Cht vari | |

ACCESSORIES

MINERAL

- ⊥ Calcareous
- Carbonaceous Flakes
- ▲ Chert, dark
- ∩ Glauconite
- Heavy, dark minerals
- × Mineral Crystals
- P Pyrite
- Sandy
- Silty
- △ Chert White

FOSSIL

- ∩ Bioclastic or Fragmental
- ∩ Brachiopod
- ∩ Bryozoa
- Crinoids
- F Fossils < 20%
- ∩ Oolite

STRAT./SED. STRUCTS

- ↔ Massive

STRINGER

- Sandstone

TEXTURE

- C Chalky
- e Earthy
- FX FinexIn
- MX MicroxIn

OTHER SYMBOLS

POROSITY TYPE

- × Intercrystalline
- ∩ Interoolitic
- V Vuggy
- P Pinpoint
- ∩ Moldic
- O Organic
- F Fracture
- e Earthy
- Fenestral

OIL SHOWS

- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

INTERVALS

- Core
- DST

Total Gas (units)

ROP (min/ft)

—

Depth | Intervals
Cored Interval
DST Interval

Porosity Types

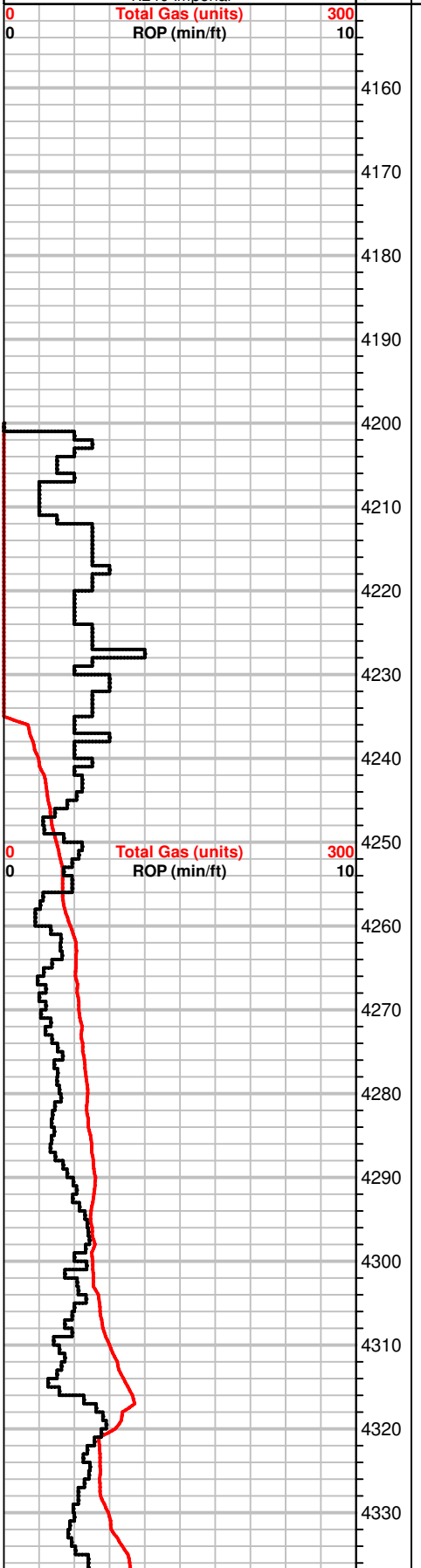
Interpreted Lithology

Oil Shows

Geological Descriptions

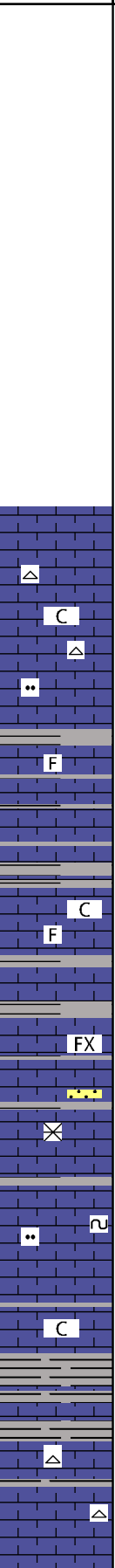
Comment

1:240 Imperial



0 Total Gas (units) 300
 0 ROP (min/ft) 10

0 Total Gas (units) 300
 0 ROP (min/ft) 10



4160
4170
4180
4190
4200
4210
4220
4230
4240
4250
4260
4270
4280
4290
4300
4310
4320
4330

MS-WS, crm to gray, vf to m-xln, firm, chalky in pt., fossilif., calcite, NS, Chert, wht

MS-WS, crm to tan, f-xln to vf-xln, firm to hard, scatt fossils, gritty pcs scatt, rare mottled pcs, NS, SH, gray, brn

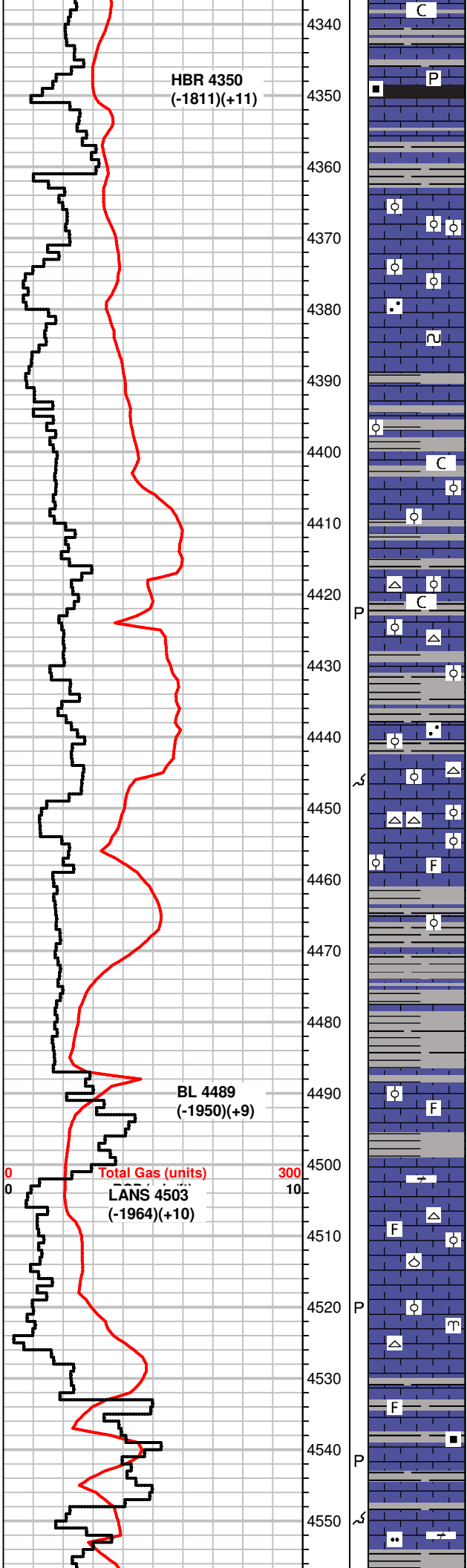
SH, blk, grays, brn, yellowish pcs
MS, crm to off white, weathered looking, waxy txt, rare fossils, friable, chalky pcs scatt, NS

SH, grays
MS, tan to gary, vf-xln, massive txt in pt, firm, rare SS clusters., f-gr qtz, tite, hard, NS

MS-WS, lt. gray to crm, tan, f-xln, gritty txt in pt., hard to firm, rare glauc, some fossils in tite chalky mtrx, NS

SH, blk, to gray, yellow, red, MS, crm to gray, waxy, some f-xln, hard, scatt fossils, rare chalky pcs, rare Chert, white, fossils

Comment



MS, lt. gray to off wht, f-xln to waxy txt, hard to firm, chalky in pt., rare pyrite crystals, NS

SH, blk, gray, silty to carbonaceous,

SH, blk, gray, brn, no vis gas
MS, off wht to crm, f-xln to massive txt, firm to friable, m-gr dark ooids in chalky mtrx, pyrite, NS

MS-WS, lt. gray to crm, f-xln, firm to friable, m-gr dark ooids in tite mtrx, some pcs sandy, rare pyrite, dead wormy stn
SH, gray to brn

MS, scatt WS, off wht to crm, lt. gray, f-xln, waxy to earthy txt, some pcs w/ m-gr dark ooids, A.A., in chaky mtrx, some fossils frgmts
SH, gray/green

MS, gray to off wht, f-xln to massive txt, f-gr oolitic in chalky mtrx, Chert, wht, fossils, PP por.,
SH, gray, blk, brn, green

WS-PS, crm to brn, gray, m-gr oolitic to oomoldic, mottled pcs throughout, chalky mtrx, dense to firm pcs, most friable, fossils, some pcs sandy in pt., moldic por., NS, Chert, wht
SH, gray to green

MS-WS, brn to crm, m to f-xln, dense, hard to firm, friable in pt., fossilif., some pcs dense, waxy looking, f to m-gr oolitic, NS

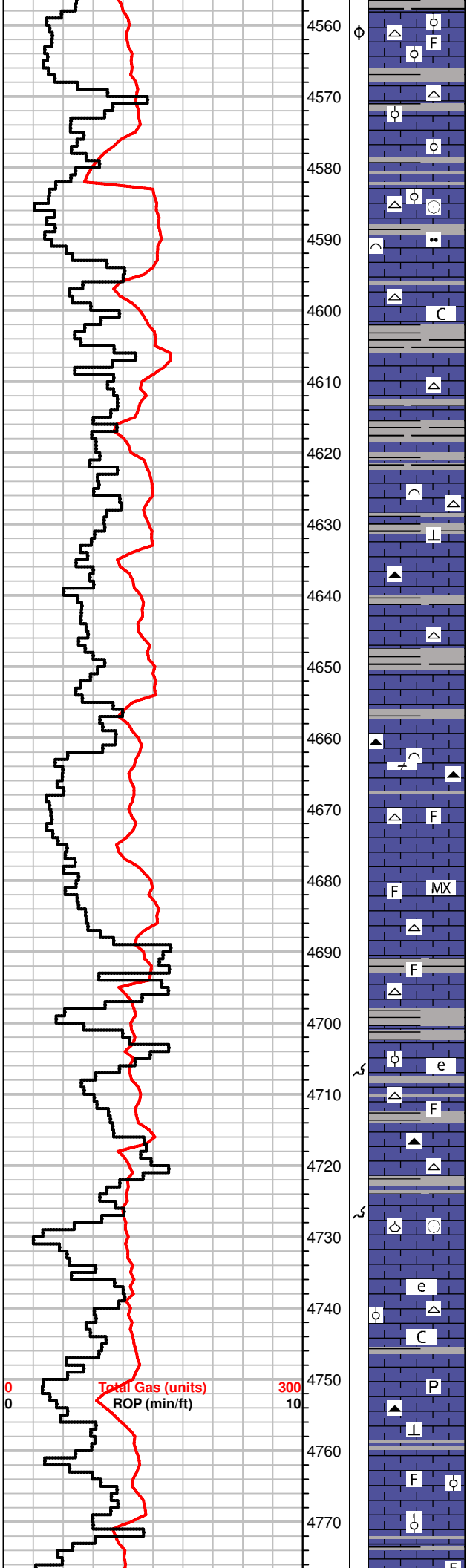
SH, blk to gray, green

MS, brn, dense, scatt oolitic/fossilif. pcs, hard

SH, grays, greenish gray
MS, crm to off wht, f-xln chaky in pt., fossils, dull fluor, NS

MS-scatt WS, crm to off wht, tan, f-xln to chalky, som epcs dense, gritty in pt. fossilif., calcite, soft to firm, crinoids, PP por., NS
Chet, wht

SH, gray to lt. gray, carb. in pt., brn
MS, crm to lt. gray, f-xln to chalky, firm to hard, some fossils, gray pcs dense, barren, dull fluor, NS, PP to moldic por.



MS, scatt WS, gray to crm, f-xln to dense/massive pcs, rare fossilif. pcs, some mottled pcs scatt, rare gritty crm hard pcs, rare oomoldic por. Chert, wht SHs, gray

MS-WS, tan to lt. brn, crm, f-xln to chalky/earthy txt, fossils(forams), dense pcs, rare mottled pcs, sandy pcs rare, Chert, wht SH, blk to dk. gray, silty in pt.

WS-MS, crm to gray, brn, f-xln, gritty txt, firm, chalky pcs, fossilif., Chert, wht, blk SH, blk to green

MS-WS, crm to brn, gritty to f-xln, chalky in pt. some pcs dense to friable, fossil frgmts, some pcs shaly, NS, Chert, wht to gray SH, gray, limey in pt.

MS, crm to lt. tan, massive to f-xln, gritty, mottled pcs, shaly in pt., firm, fossils, scatt chalky pcs, some dense, Chert, wht, tan

SH, gray, green, silty

SH, gray, green
MS, crm to tan, lt. brn, massive, dense to firm, gritty A.A., rare fossils, most pcs barren, NS, Chert, wht, blk, gray

MS-WS, crm to tan, f-xln to mic-xln, firm to dense, fossils scatt, Chert, wht, blueish gray some striated SH, gray/green, some tan

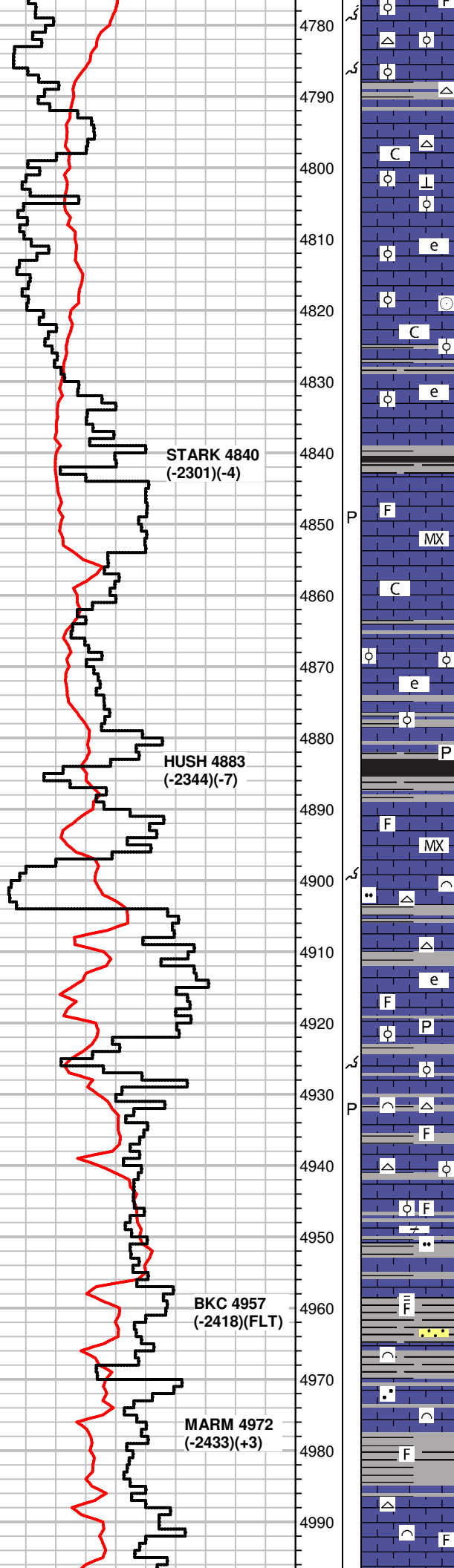
SH, blk to gray, sli. silty pcs
MS, crm to tan, lt. gray, gritty to earthy txt, f-xln, hard to firm, scatt co-gr fossil frgmts, fossilif. pcs, dull fluor, NS, moldic por. Chert, gray, wht

MS-WS, crm to lt. tan, gray, massive to mic-xln, some chalky pcs pcs, dense to firm, fossil frgmts, Chert, gray, wht, oolitic/fossilif pcs, moldic por. SH, gray, green

rare SH, gray, brn
MS, crm, lt. tan, f-xln, gritty to earthy, glauc, pyrite, fossils, f- to m-gr, hard to dense pcs, some friable, scatt chalky pcs, Chert, wht, tan

SH, gray, greens, pyrite crystals
MS, crm to of wht, lesser amount, f-xln to chalky, soft to firm, some pcs massive, rare fossils, Chert, gray fossilif., dull fluor, NS, come calcite with bright flour

0 0 Total Gas (units) 300 ROP (min/ft) 10



WS-MS, A.A., crm, gray, some tan, f-xln to mic-xln, dense to partly chalky pcs, fossilif., rare oomoldic pcs, Chert, wht, gray, fossils to barren, opaque pcs, NS, moldic por.
Inc. in SH, gray, green, some dk. grays

WS-PS, crm to tan, m-xln, m-gr oolitic/oomoldic, some pcs w/ chalky matrix, tite calcite cement in som epcs, firable to dense, fossilif., dull fluor, NS
some SH, gray, yellowish-brn

MS-WS, A.A., lesser oolitic/oomoldic pcs, most crm to brn, mic-xln to f-xln, earthy to chalky pcs common, crinoids/fossilif pcs, firm to friable, NS
rare SH, grays

SH, rare blk, most gray to green

MS-WS, brn to crm, most f-xln, some mic-xln, dense to chalky pcs, firm, lesser fossils, hard, NS, PP por.

SH, gray to green, brn
MS to rare WS, crm, chalky to earthy pcs, soft, some pcs dense, scatt fossils, m-gr dark ooids in dense calcitic matrix, Chert frgmts, white

SH, blk to gray, dk. gray, green, silty, pyrite

SH, dk. gray to green, pyrite

MS-WS, crm to lt. gray, mic-xln to massive txt, dense looking, firm, chalky in pt., scatt fossils, moldic por., Chert, wht

MS, brn to crm, mic-xln to f-xln, dense, hard, gritty txt in pt. some fossils, Chert, wht, SH, blk, gray pyrite

MS-WS, crm to, rare brn, some mic-xln, most f-xln to chalky, Chert, wht, fossils, rare SH, blk

WS-MS, brn to tan, crm, f-xln, dense to hard, some earthy/chalky pcs, fossils, dark ooids in tite calc. matrix, SH, blk, gray, green, pyrite, moldic por.

SH, dk. gray to grays, MS-WS, crm to lt. gray, gritty, f-xln txt, firm to friable, some dense, Chert, wht/tan, fossil frgmts, PP por.

MS, gray to crm, f-xln, A.A., chalky to shaly pcs, firm to dense, Chert, frgmts, tan, fossils, inc. in SH, blk, grays, silty, fossils

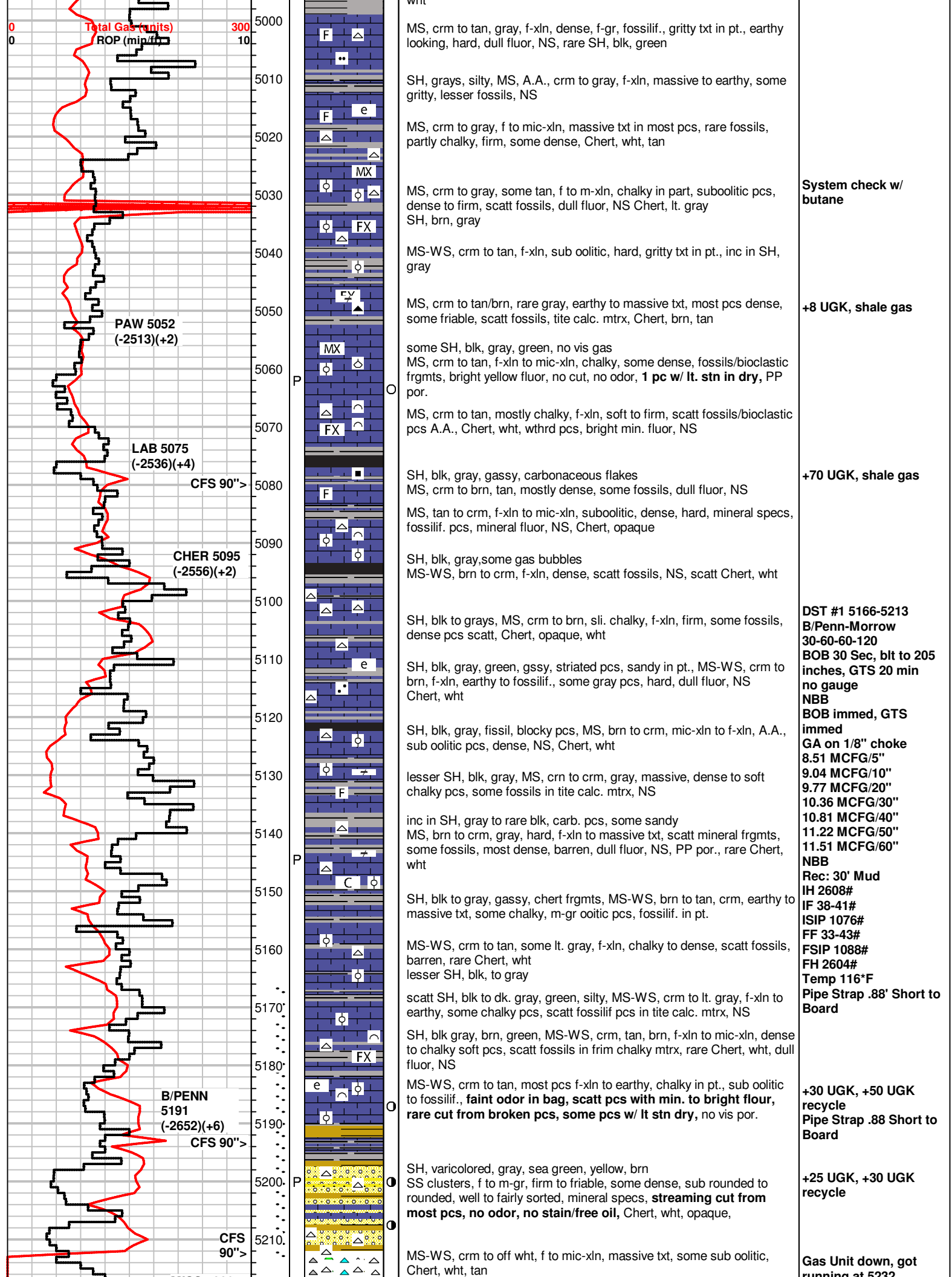
MS-WS, brn, gray, tan, f-xln, massive to dense, some pcs friable, gritty in pt., silty, SH, grays, limey

MS, rare WS, gray to brn, some tan, A.A., dense hard, rare fossils
SH, blk, gray, green pcs scatt, sandy, some vf-gr SS clusters, tite, fossil frgmts

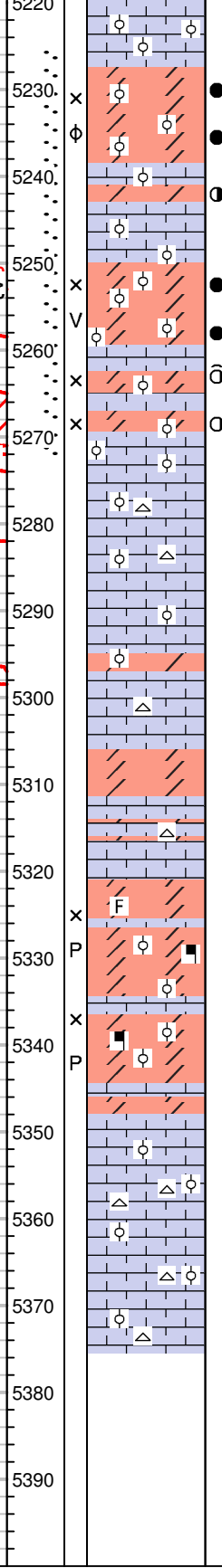
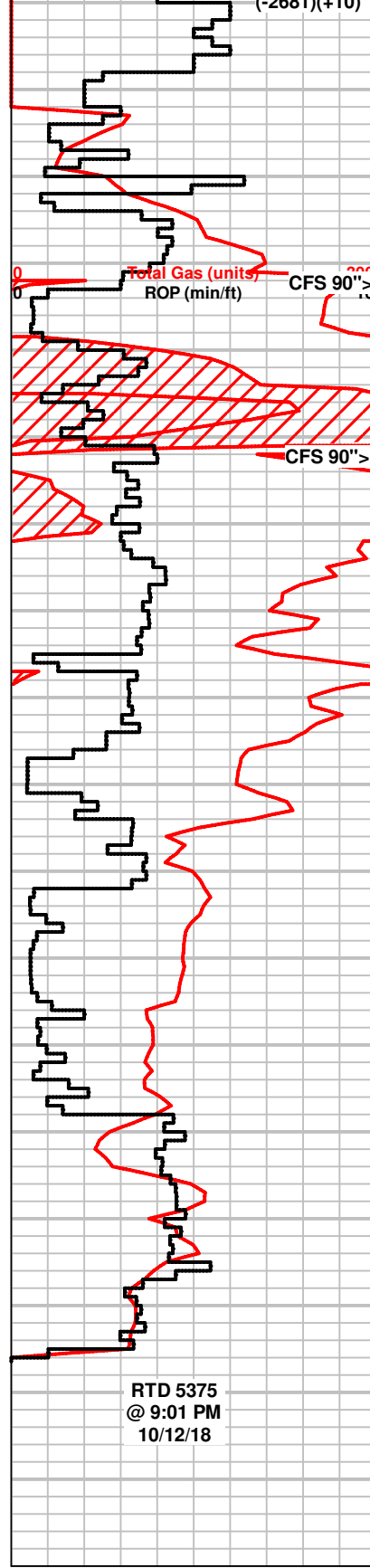
SH, lessser, brn, gray, green, sandy pcs, MS, crm to tan/brn, f-xln, chalky to dense, scatt fossils, dull fluor, NS

MS, crm to tan, f-xln, firm to hard, some chalky pcs, fossils, some pcs dense, massive, dull fluor, NS, scatt Chert, wht, SH, blk, green

SH, blk to gray, silty to limey in pt., MS-WS, crm to off wht, dense, hard to firm pcs, m-gr oolitic in tite calc. mtrx, glauc specs, NS, chert, wht



MISS 5220
(-2681)(+10)



WS-PS, off wht to crm, f to mic-xln, suboolitic to oolitic, m-gr in chalky to tite calc. mtrx, dull fluor, NS, Chert, wht, tan

Dolo, brn to lt. gray, scatt crm, m-xln to f-xln, some f-suc to co-sucrosic sugary txt, firm to friable, vuggy to oolitic/oomoldic pcs, **strong odor, bright fluor, inst. streaming cut, bleeding oil and gas, live oil in tray**

Dolo, lt. gray to crm, scatt brn pcs, A.A., WS-PS, crm to off wht, oolitic to sub oolitic, hard to firm, NS, dull fluor

Dolo, lt. gray to tan, f-xln to sucrosic txt, hard to friable pcs scatt, mineral fluor, some scatt pcs brn, **with live oil and birght flour**

Dolo, crm to tan, m-gr oolitic, hard to firm, friable pcs, **good odor, free oil in tray, streaming cut from 30% of select samples, spotty birght flour, spty to even stn dry, int-xln, vuggy por.**

Dolo, crm to tan, m-gr oolitic/moldic, **good odor, free oil in tray, mineral fluor, scatt bright spotty flour, milky cut from <20% of spls, fair to good odor**

WS-PS, off wht to crm, f-xln some pcs earthy to waxy looking, m-gr oolitic to sub oolitic, dens eto friable, dull fluor, NS rare Dolo, brn, f-suc txt, hard to firm, NS

WS-PS, crm to off wht, f-xln A.A., m-gr oolitic, rare chalky pcs, NS, Chert, wht carry ing SH, gray to green

WS-PS, off wht, f-xln to earthy txt, oolitic to sub oolitic, firm to hard, dull fluor, NS, Chert, wht

Dolo, crm to brn, f-sucrosic txt, hard, tite, dull fluor, NS
WS-PS, crm to off wht, A.A., some pcs sli. dolomitic, , some chalky in pt.

PS-WS, off wht to crm, m-gr oolitic in f-xln to earthy mtrx, some pcs chalky, dull fluor, NS, Chert, wht
Dolo, brn to tan, f-xln to f-sucrosic/sugary txt, hard to friable, dull mineral fluor, NS, int-xln por., pp por.

Dolo, tan to brn, f-xln to f-sucrosic txt, hard to firm, black specs, f. to m-gr oolitic pcs scatt, dull fluor, NS

Dolo, tan to brn, f-xln to f-suc. txt, hard to firm, fossils scatt, dark specs, NS, int-xln por., pp por.

PS-WS, off wht to crm, f-xln, m to f-gr oolitic/fossilif in partly chalky mtrx, NS, Chert, wht

WS-PS, crm to off wht, f-xln to suboolitic/m-gr oolitic pcs, hard to firm, chalky pcs scatt, NS, Chert, tan to wht, some included within PS pcs

DST #2 5225-5252
Mississippian
30-60-60-120
SB BOB/immed
GTS/27"
NBB
SB BOB Ga Gas on 1/8
on 1/8inch choke
5.88 MCF/5min
5.39 MCF/10min
4.92 MCF/20min
4.81 MCF/30min
5.14 MCF/40min
5.57 MCF/50min
6.44 MCF/60min
Rec: 60' GOCM
(5g,10o,85m)
IH 2601#
IF 19-23#
ISIP 1039#
FF 24-36#
FSIP 1041#
FH 2513#
Temp 112°F

DST #3 5252-5272
Mississippian
30-60-60-120
SB BOB 2min blt to
136"
NBB
SB GTS/33 min
Ga 1/8in choke
5.56 MCF/45min
5.60 MCF/50min
5.604 MCF/55 min
5.608 MCF/60min
NBB
Rec: 5' CO
40' GOCM
(10g,15o,75w)
126' GOCWM
(20g,10o,65m,5w)
Not enough to get
Cloride content
IH 2743#
IF 21-40#
ISIP 1172#
FF 45-74#
FSIP 1174#
FH 2562#
Temp 115°F

RTD 5375
@ 9:01 PM
10/12/18