KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1055742

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 # 8061
Name: Oil Producers Inc. of Kansas
Address 1: 1710 WATERFRONT PKWY
Address 2:
City: WICHITA State: KS Zip: 67206 + 6603
Contact Person: Lori Zehr
Phone: ( 316 ) 681-0231
CONTRACTOR: License # 4958
Name: Mallard, J. V., Inc.
Wellsite Geologist: Derek Patterson
Purchaser: Coffeyville Resources/Lumen Midstream

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [x] 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 #:

| 12/15/2010 | 12/22/2010 | 2/22/2011 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-185-23657-00-00
Spot Description:
_ - S2 - SW - NE Sec. 2 Twp. 24 S. R. 15 [ ] East [x] West
2970 Feet from [ ] North / [x] South Line of Section
1980 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Stafford
Lease Name: Vosburgh Well #: 1-2
Field Name: Hearn
Producing Formation: Viola & Simpson
Elevation: Ground: 2001 Kelly Bushing: 2006
Total Depth: 4230 Plug Back Total Depth: 4182
Amount of Surface Pipe Set and Cemented at: 268 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 47040 ppm Fluid volume: 420 bbls
Dewatering method used: Haul Off Pit
Location of fluid disposal if hauled offsite:
Operator Name: Oil Producers Inc. of Kansas
Lease Name: Palmitier SWD License #: 8061
Quarter SW Sec. 16 Twp. 25 S. R. 16 [ ] East [x] West
County: Edwards Permit #: d20983

**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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

**ALT** [x] **I** [ ] **II** [ ] **III** **Approved by:** Deanna Garrisor **Date:** 05/23/2011

*Side Two*

1055742

Operator Name: Oil Producers Inc. of Kansas Lease Name: Vosburgh Well #: 1-2

Sec. 2 Twp. 24 S. R. 15 ☐ East ☑ West County: Stafford

**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 ☑ Yes ☐ No
*(Attach Additional Sheets)*

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☑ Yes ☐ No
*(If no, Submit Copy)*

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Heebner | 3527 | -1521 |
| Brown Lime | 3665 | -1659 |
| Lansing | 3674 | -1668 |
| Base Kansas City | 3940 | -1934 |
| Erosional Viola | 4058 | -2052 |
| Viola | 4085 | -2079 |
| Arbuckl | 4179 | -2173 |

CASING RECORD ☑ New ☐ 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 | 17.5 | 13.375 | 54 | 268 | Common | 275 | 3%cc,2%gel |
| Production | 17.5 | 4.5 | 11.6 | 4220 | AA-2 | 125 | |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ☐ Perforate<br>☐ Protect Casing<br>☐ Plug Back TD<br>☐ 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 |
|---|---|---|---|
| 2 | Viola | 3550 gals of 7.5 HCl Acid | 4062-4069 |
| 2 | Viola | 147,760 gals 10# slick | 4086-4092 |
| 2 | Viola | water and 72,700# of sand | 4098-4120 |
| 2 | Simpson | | 4128-4131 |
| | | | |

TUBING RECORD: Size: 2.375 Set At: 4054 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 3/19/2011

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | 15 | 20 | | | |

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
*(If vented, Submit ACO-18.)*

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

**Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202**

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Oil Producers Inc. of Kansas |
| Well Name | Vosburgh 1-2 |
| Doc ID | 1055742 |

All Electric Logs Run

| |
|---|
| Dual Induction Log |
| Compensated Density/Neutron Log |
| Micro Log |
| Sonic Log |
| Geological Report |

MAX-HENRY OPERATING, LLC

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

| | | | |
|---|---|---|---|
| Well Name: | Vosburgh #1-2 | | |
| Location: | Sec. 02 - T24S - R15W , Stafford County, KS | | |
| Licence Number: | API No.: 15-185-23657-0000 | Region: | Hearn |
| Spud Date: | December 15, 2010 | Drilling Completed: | December 22, 2010 |
| Surface Coordinates: | 2970' FSL & 1980' FEL | | |
| Bottom Hole Coordinates: | | | |
| Ground Elevation (ft): | 2001' | K.B. Elevation (ft): | 2006' |
| Logged Interval (ft): | 3300' To: 4230' | Total Depth (ft): | 4230' (LTD) |
| Formation: | Arbuckle | | |
| Type of Drilling Fluid: | Chemical Gel/Polymer | | |

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

## OPERATOR

Company: Oil Producers, Inc. of Kansas
Address: 1710 Waterfront Parkway
Wichita, KS 67206

## GEOLOGIST

Name: Derek W. Patterson
Company: Max-Henry Operating, LLC
Address: 133 N. Glendale
Wichita, KS 67208

## REMARKS

After review of the Open Hole Logs, DST info, and sample evaluation, it was recommended by all parties involved to run 4 1/2" production casing to further evaluate the multiple Viola zones encountered while drilling the Vosburgh #1-2.

The well samples were saved, and will be submitted and available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully Submitted,

# Oil Producers, Inc. of Kansas

## DAILY DRILLING REPORT

Company: Oil Producers, Inc. of Kansas
1710 Waterfront Parkway
Wichita, KS 67206
Contact: Brian McCoy
Cell: 316.214.4615
Office: 316.681.0231
Geologist: Derek W. Patterson
Cell: 316.655.3550
Office: 316.558.5202
Drilling Contractor: J V Mallard, Inc., Rig # - 785.731.5161

Well: Vosburgh #1-2
Location: 2970' FSL & 1980' FEL
Sec. 2 - 24S - 15W
Stafford Co., KS
Elevation: 2001' GL - 2006' KB
Field: Hearn
API No.: 15-185-23657-0000
Surface Casing: 13 3/8" set @ 268' KB
Toolpusher: Lavon Urban

| Date | 7:00 AM Depth | Previous 24 Hours of Operations |
|---|---|---|
| 12.20.2010 | 3772' | Drilling and connections Topeka, Heebner, and into Toronto. Geologist Derek W. Patterson on location @ 3543', 2230 hrs 12.19.10. Rezero Tooke Daq. Drilling and connections Toronto, Douglas Shale, Brown Lime, and into Lansing.<br>DMC: -$75.65 CMC: $6,179.20 |
| 12.21.2010 | 4080' | Drilling and connections Lansing. CFS @ 3760' (LKC 'G'), resume drilling and connections Lansing, and into Base Kansas City. Rig down for mud pump repairs, 1955 hrs 12.20.10. Resume drilling following pump repairs, 2235 hrs 12.20.10. Drilling and connections into Viola. CFS @ 4065' (Viola). Resume drilling Viola. CFS @ 4080' (Viola). Shows and gas kick warrant DST, short trip, CTCH, drop survey, strap out for DST #1.<br>Devition Survey @ 4080': 2° Pipe Strap @ 4080': 0.90 Short to Board<br>DMC: $1,005.15 CMC: $7,184.35 |
| 12.22.2010 | RTD - 4230'<br>LTD - 4230' | TOH for DST #1, TIH with Tool, conducting DST #1, testing Viola. Test successful. Resume drilling 1900 hrs 12.21.10. Drilling and connections Viola, Simpson, and into Arbuckle. Drilling ahead to RTD of 4230', RTD reached 0155 hrs 12.22.10. CTCH, drop survey, TOH for logging. Open hole logging commenced 0630 hrs 12.22.10.<br>Deviation Survey @ 4230': 2° |
| 12.23.2010 | RTD - 4230'<br>LTD - 4230' | Conducting open hole logging operations, logging complete 1030hrs 12.22.10. Orders received to run 4 1/2" production casing to further evaluate multiple Viola chert zones encountered while drilling the Vosburgh #1-2.<br>Geologist Derek W. Patterson off location 1200 hrs 12.22.10. |

# Oil Producers, Inc. of Kansas

## WELL COMPARISON SHEET

| | DRILLING WELL | | | | COMPARISON WELL | | | | COMPARISON WELL | | | | COMPARISON WELL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Oil Producers - Vosburgh #1-2<br>Sec. 2 - 24S - 15W<br>2970' FSL & 1980' FEL | | | | North American - Ward #1<br>Sec. 2 - 24S - 15W<br>E/2 E/2 NW | | | | Northern Lights - Munz #1<br>Sec. 2 - 24S - 15W<br>E/2 SE | | | | Roxana Corp - Meyer #1<br>Sec. 2 - 24S - 15W<br>E/2 NW NE | | | |
| | 2006 KB | | | | Gas - Viola<br>2011 KB | | Structural Relationship | | Oil & Gas - Viola<br>2009 KB | | Structural Relationship | | Gas - Viola<br>2006 KB | | Structural Relationship | |
| Formation | Sample | Sub-Sea | Log | Sub-Sea | Log | Sub-Sea | Sample | Log | Log | Sub-Sea | Sample | Log | Log | Sub-Sea | Sample | Log |
| Heebner | 3526 | -1520 | 3527 | -1521 | 3513 | -1502 | -18 | -19 | 3531 | -1522 | 2 | 1 | 3501 | -1495 | -25 | -26 |
| Toronto | 3543 | -1537 | 3544 | -1538 | 3536 | -1525 | -12 | -13 | Not Called In Field | | | | 3520 | -1514 | -23 | -24 |
| Douglas Shale | 3562 | -1556 | 3564 | -1558 | 3552 | -1541 | -15 | -17 | Not Called In Field | | | | 3544 | -1538 | -18 | -20 |
| Brown Lime | 3666 | -1660 | 3665 | -1659 | 3650 | -1639 | -21 | -20 | 3669 | -1660 | 0 | 1 | 3638 | -1632 | -28 | -27 |
| Lansing | 3674 | -1668 | 3674 | -1668 | 3657 | -1646 | -22 | -22 | 3677 | -1668 | 0 | 0 | 3647 | -1641 | -27 | -27 |
| Muncie Creek | 3790 | -1784 | 3790 | -1784 | 3772 | -1761 | -23 | -23 | Not Called In Field | | | | 3762 | -1756 | -28 | -28 |
| Stark Shale | 3868 | -1862 | 3870 | -1864 | 3847 | -1836 | -26 | -28 | Not Called In Field | | | | 3840 | -1834 | -28 | -30 |
| Base Kansas City | 3940 | -1934 | 3940 | -1934 | 3919 | -1908 | -26 | -26 | 3937 | -1928 | -6 | -6 | 3940 | -1934 | 0 | 0 |
| Erosional Viola | 4058 | -2052 | 4059 | -2053 | 4031 | -2020 | -32 | -33 | 4037 | -2028 | -24 | -25 | 4031 | -2025 | -27 | -28 |
| Viola | Ero Viola in Field | | 4085 | -2079 | 4070 | -2059 | N/A | -20 | 4050 | -2041 | N/A | -38 | 4050 | -2044 | N/A | -35 |
| Simpson Shale | 4122 | -2116 | 4122 | -2116 | 4098 | -2087 | -29 | -29 | 4116 | -2107 | -9 | -9 | 4086 | -2080 | -36 | -36 |
| Simpson Sand | 4129 | -2123 | 4128 | -2122 | 4106 | -2095 | -28 | -27 | Not Present | | | | 4096 | -2090 | -33 | -32 |
| Arbuckle | 4178 | -2172 | 4179 | -2173 | 4158 | -2147 | -25 | -26 | Not Penetrated | | | | 4147 | -2141 | -31 | -32 |
| Total Depth | 4230 | -2224 | 4230 | -2224 | 4174 | -2163 | -61 | -61 | 4129 | -2120 | -104 | -104 | 4180 | -2174 | -50 | -50 |

# DRILL STEM TEST REPORT

Weatherford® Completion Systems

Oil Producers Inc. of Kansas

1710 Waterfront Parkway
Wichita, KS 67206-6603

ATTN: Derek Patterson

**VOSBURGH #1-2**

**2-24s-15w-STAFFORDKS**

Job Ticket: 39312 **DST#: 1**

Test Start: 2010.12.21 @ 09:04:00

## GENERAL INFORMATION:

Formation: **VIOLA**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:07:00
Time Test Ended: 16:10:15

Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43

**Interval: 4044.00 ft (KB) To 4080.00 ft (KB) (TVD)**
Total Depth: 4080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

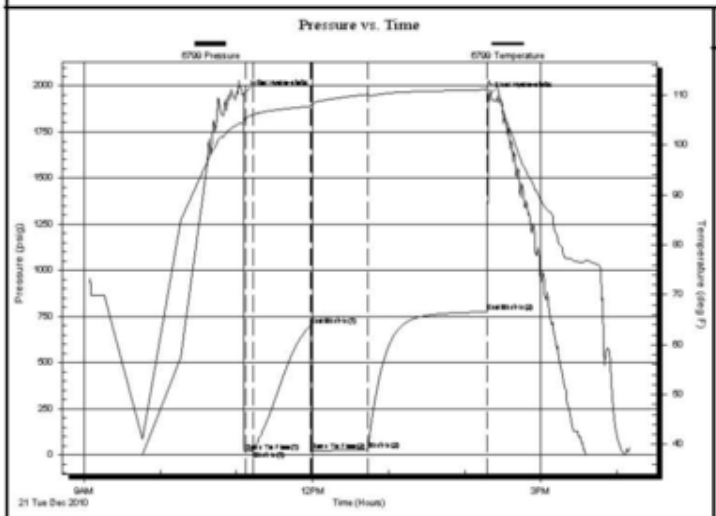
Reference Elevations: 2006.00 ft (KB)
2002.00 ft (CF)
KB to GR/CF: 4.00 ft

**Serial #: 6799** **Outside**

Press@RunDepth: 28.56 psig @ 4045.00 ft (KB)
Start Date: 2010.12.21 End Date: 2010.12.21
Start Time: 09:04:05 End Time: 16:10:14

Capacity: 8000.00 psig
Last Calib.: 2010.12.21
Time On Btm: 2010.12.21 @ 11:05:45
Time Off Btm: 2010.12.21 @ 14:18:45

TEST COMMENT: IF: Fair blow , built to BOB in 7 minutes.
ISI: Bled off, no blow back.
FF: Strong blow , built to BOB immediately. No GTS.
FSI: Bled off, no blow back.




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1953.03 | 104.40 | Initial Hydro-static |
| 2 | 19.02 | 105.34 | Open To Flow (1) |
| 8 | 22.30 | 106.09 | Shut-In(1) |
| 53 | 703.55 | 107.79 | End Shut-In(1) |
| 54 | 24.41 | 107.85 | Open To Flow (2) |
| 98 | 28.56 | 110.15 | Shut-In(2) |
| 193 | 776.69 | 111.16 | End Shut-In(2) |
| 193 | 1946.61 | 112.70 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 50.00 | Mud 100%m | 0.25 |
| 0.00 | 2250' Gas In Pipe | 0.00 |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

## ROCK TYPES

### LITHOLOGY
Anhy
Bent
Brec
Cht
Clyst
Coal
Congl
Dol
Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol
Shgy
Sltst
Ss
Till
Sltstn
Shale
Sandylms
Lms
Gry sh
Dtd
Dol
Carb sh
pipesymbol

unknown lith
Red shale

### FOSSIL
Oomoldic
Fuss
Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Gastro
Oolite
Ostra
Pelec
Pellet
Pisolite
Plant
Strom

### MINERAL
Slty
Sand
Dol
Chlorite
Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau
Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr
Salt
Sandy
Silt
Sil

Sulphur
Tuff

### STRINGER
Red shale
Sh
Sandylms
Lms
Grysltt
Grysh
Dol
Clystn
Carbsh
Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Sltstrg
Ssstrg

### TEXTURE
Boundst
Chalky
Cryxln
Earthy
Finexln

Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

### OIL SHOW
Gas show
Good
Fair
Poor
Dead

### INTERVAL
Dst
Core
Dst
Straddle test t

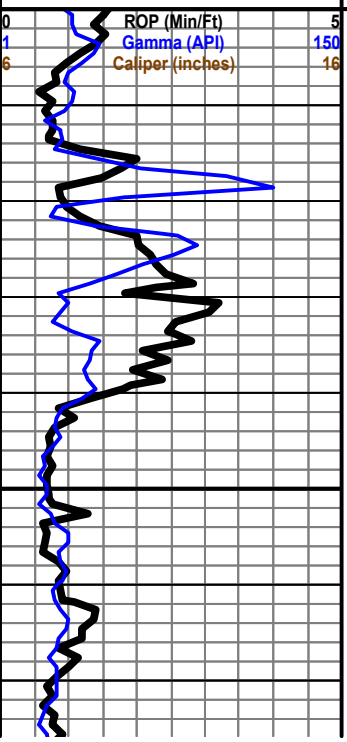
### EVENT
Rft
Sidewall
Dst
Open hole
Perforations

---

**Curve Track 1**
ROP (Min/Ft)
Gamma (API)
Caliper (inches)

Depth | Lithology | Oil Shows | Geological Descriptions

**Engineering Data**
TG (Units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)




**Oil Producers, Inc. of Kansas**
**Vosburgh #1-2**
**2970' FSL & 1980' FEL**
**Sec. 2 - 24S - 15W**
**Stafford Co., KS**

**API #: 15-185-23657-0000**

**Elevation: 2001' KB**
**2006' KB**

Drilling Contractor: J V Mallard, Inc., Rig #2

Toolpusher: Lavon Urban

Drillers: Daylight: Mark Elsen
Evening: Lyle Juergensen
Morning: Frank Symank
Relief: Kent Urban

Testing Company: Triolobite Testing, Inc.
Tester: Jake Fahrenbruc

0 TG, C1-C5 200

Surface Casing:
13 3/8" set @ 268' KB

Deviation Surveys:
268' : 1/2°
4080' : 2°
4230' : 2°

Pipe Straps:
4080' : 0.90' Short to Board

**Please Note:**
**All GAS values from 3300'- 3560' have been omitted due to faulty readings resulting from Tooke Daq being set on wrong Gas Detector**

Range.

Logging Company: Superior Well Services
Logging Engineer: Mitch Rupp

## Geologist: Derek W. Patterson

0 ROP (Min/Ft) 5
1 Gamma (API) 150
6 Caliper (inches) 16

0 TG, C1-C5 200

3400

Bluestem Gas Detector Trailer on location and operational @ 1450 ft.
The ROP, TG, C1 (Methane), C2 (Ethane), C3 (Propane) & C4 (N-Butane = C4 Butane + C5 Iso Butane) DATA was downloaded from the Tooke Daq System.
Said DATA was imported and displayed on this Geo Log.

Displace Mud System @ 2914'

Start 20' Wet & Dry Samples @ 3000'

Limestone: gray lt gray cream, slightly chalky matrix, vfxln, grainy, fossiliferous to heavily fossiliferous, poor interxln porosity, no shows noted, no fluorescence, with scattered Chalk in sam

3450

Limestone: cream lt cream lt gray, slightly chalky matrix, vfxln, grainy, fossiliferous, poor interxln porosity, no shows noted, no fluorescence, with continued Chalk as above.

Limestone: cream tan lt gray, chalky matrix in part, vfxln, mostly grainy, fossiliferous, poor interxln porosity, no shows noted, no fluorescence, with scattered Chalk in sample.

3500

Limestone: tan cream, slightly chalky to dense matrix, vfxln-microxln, grainy in part, sub-fossiliferous to fossiliferous, poor visible porosity with some scattered fair-poor pinpoint porosity, no shows noted, no fluorescence, with scattered Chalk in sample.

Limestone: cream lt tan, chalky matrix, microxln-vfxln, grainy in part, fossiliferous in part, poor interxln porosity, no shows noted, no fluorescence, with abundant Chalk in sample.

### Heebner 3527 (-1521)

Shale: black, carbonaceous, mostly blocky and slightly waxy, very slightly bleeding gas bubbles, w
Shale: gray dk gray, mostly blocky, soft to har

Limestone: tan lt cream, dense, microxln-vfxln, fossiliferous, overall pooor interxln porosity, no shows noted, very poor-no fluorescence, with Shale: gray dk gray, mostly blocky, soft to hard.

### Toronto 3544 (-1538)

Geologist, Derek W. Patterson, on location 2230 hrs 12.19.10

3550

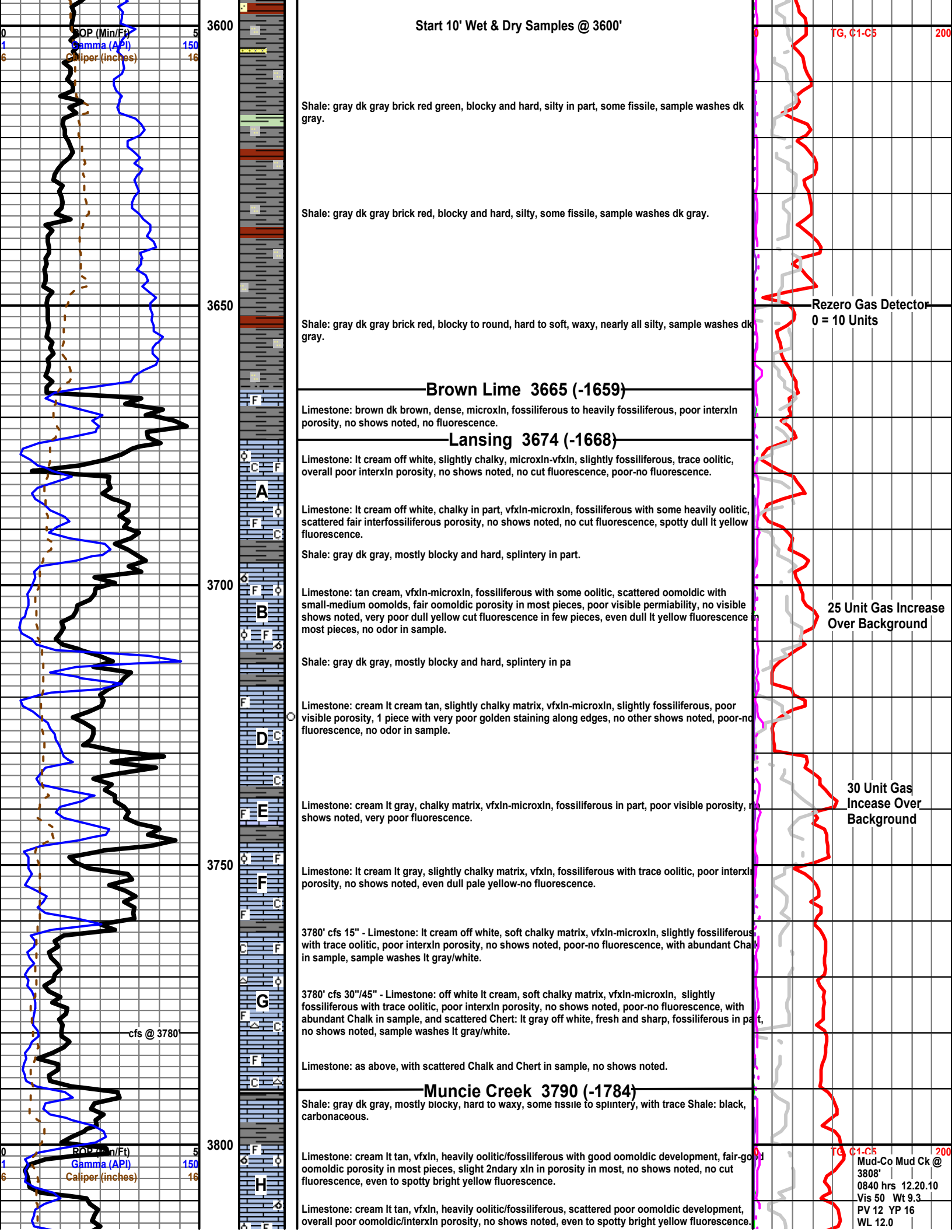
Limestone: lt cream off white lt gray, vfxln-microxln, fossiliferous, small-medium imbedded calicite crystals, slightly cherty in part, fair-poor interxln porosity, no shows noted, poor-no fluorescence.

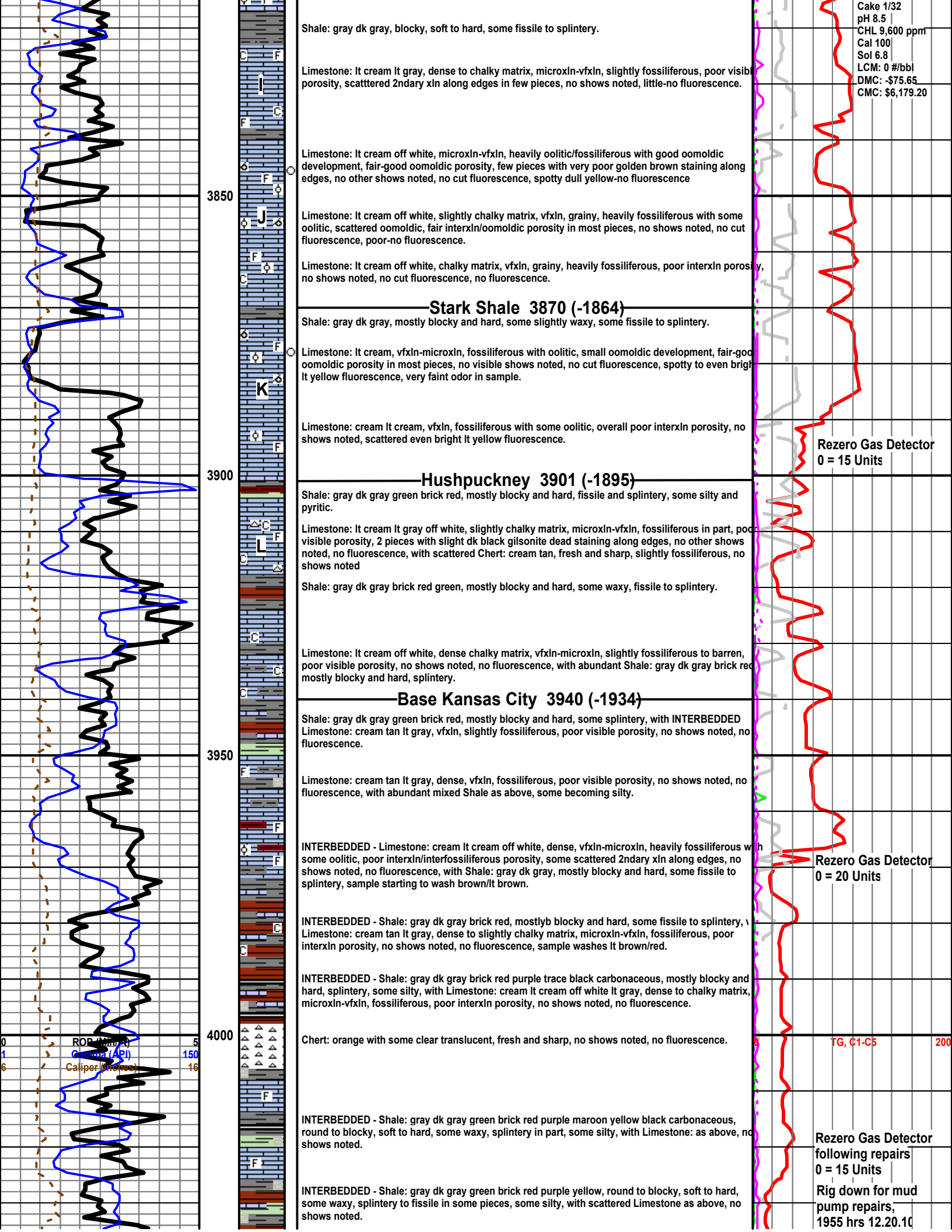
Rezero Gas Detector
0 = 10 Units

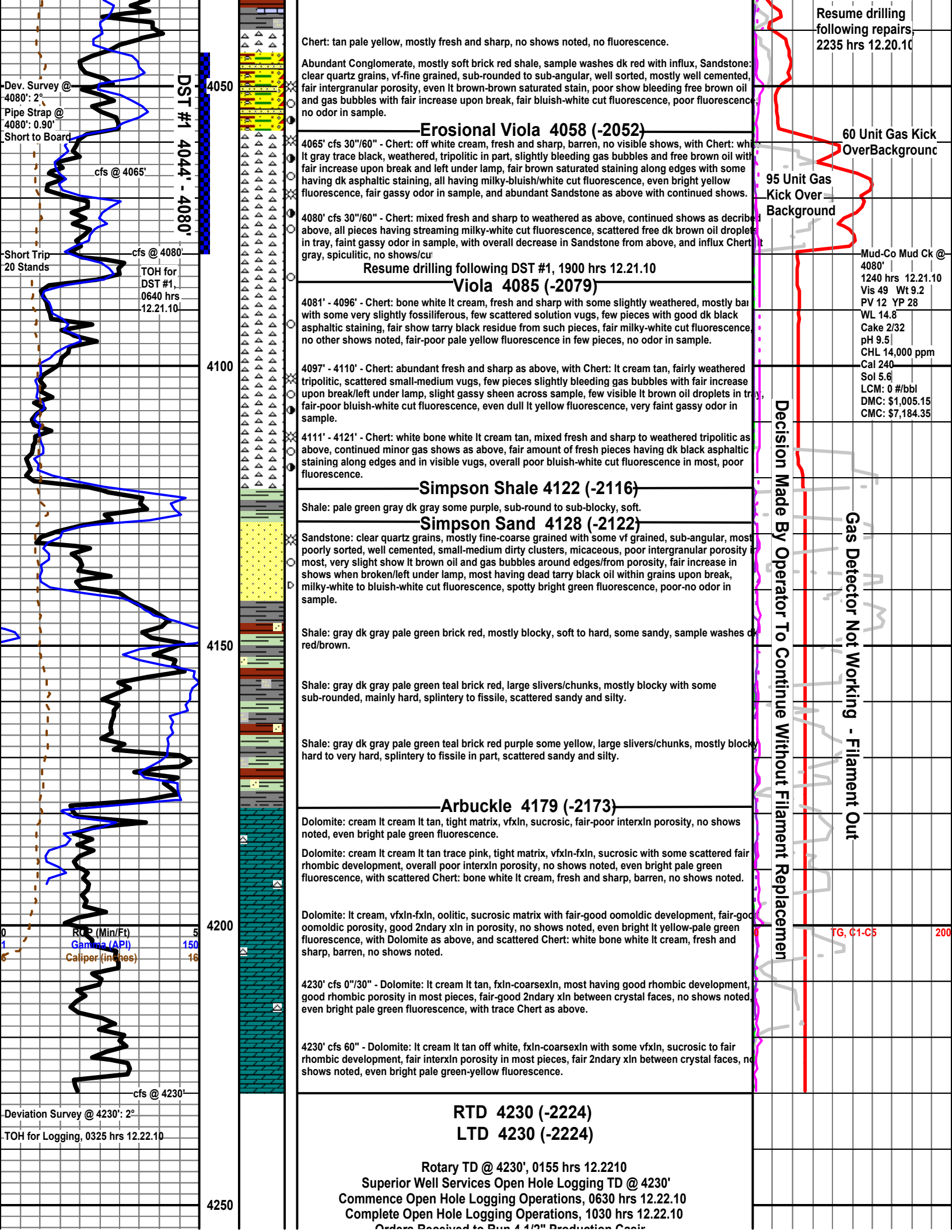
### Douglas Shale 3564 (-1558)

Shale: gray dk gray green brick red brown, soft to hard, round to blocky, some slightly silty, no sho s noted.

Mixed Shale: as above, some becoming slightly arenaceous, with trace Sandstone: off white lt gray, vf grained, poor intergranular porosity, no shows noted, very poor fluorescence, sample washes dk red/brown.


0
ROP (Min/Ft)
5
1
Gamma (API)
150
6
Caliper (inches)
16
3600
3650
3700
3750
3800
Start 10' Wet & Dry Samples @ 3600'
Shale: gray dk gray brick red green, blocky and hard, silty in part, some fissile, sample washes dk gray.
Shale: gray dk gray brick red, blocky and hard, silty, some fissile, sample washes dk gray.
Shale: gray dk gray brick red, blocky to round, hard to soft, waxy, nearly all silty, sample washes dk gray.
Brown Lime 3665 (-1659)
Limestone: brown dk brown, dense, microxln, fossiliferous to heavily fossiliferous, poor interxln porosity, no shows noted, no fluorescence.
Lansing 3674 (-1668)
Limestone: lt cream off white, slightly chalky, microxln-vfxln, slightly fossiliferous, trace oolitic, overall poor interxln porosity, no shows noted, no cut fluorescence, poor-no fluorescence.
A
Limestone: lt cream off white, chalky in part, vfxln-microxln, fossiliferous with some heavily oolitic, scattered fair interfossiliferous porosity, no shows noted, no cut fluorescence, spotty dull lt yellow fluorescence.
Shale: gray dk gray, mostly blocky and hard, splintery in part.
B
Limestone: tan cream, vfxln-microxln, fossiliferous with some oolitic, scattered oomoldic with small-medium oomolds, fair oomoldic porosity in most pieces, poor visible permiability, no visible shows noted, very poor dull yellow cut fluorescence in few pieces, even dull lt yellow fluorescence most pieces, no odor in sample.
Shale: gray dk gray, mostly blocky and hard, splintery in pa
D
Limestone: cream lt cream tan, slightly chalky matrix, vfxln-microxln, slightly fossiliferous, poor visible porosity, 1 piece with very poor golden staining along edges, no other shows noted, poor-no fluorescence, no odor in sample.
E
Limestone: cream lt gray, chalky matrix, vfxln-microxln, fossiliferous in part, poor visible porosity, no shows noted, very poor fluorescence.
F
Limestone: lt cream lt gray, slightly chalky matrix, vfxln, fossiliferous with trace oolitic, poor interxln porosity, no shows noted, even dull pale yellow-no fluorescence.
3780' cfs 15" - Limestone: lt cream off white, soft chalky matrix, vfxln-microxln, slightly fossiliferous with trace oolitic, poor interxln porosity, no shows noted, poor-no fluorescence, with abundant Chalk in sample, sample washes lt gray/white.
G
3780' cfs 30"/45" - Limestone: off white lt cream, soft chalky matrix, vfxln-microxln, slightly fossiliferous with trace oolitic, poor interxln porosity, no shows noted, poor-no fluorescence, with abundant Chalk in sample, and scattered Chert: lt gray off white, fresh and sharp, fossiliferous in part, no shows noted, sample washes lt gray/white.
cfs @ 3780'
Limestone: as above, with scattered Chalk and Chert in sample, no shows noted.
Muncie Creek 3790 (-1784)
Shale: gray dk gray, mostly blocky, hard to waxy, some fissile to splintery, with trace Shale: black, carbonaceous.
H
Limestone: cream lt tan, vfxln, heavily oolitic/fossiliferous with good oomoldic development, fair-good oomoldic porosity in most pieces, slight 2ndary xln in porosity in most, no shows noted, no cut fluorescence, even to spotty bright yellow fluorescence.
Limestone: cream lt tan, vfxln, heavily oolitic/fossiliferous, scattered poor oomoldic development, overall poor oomoldic/interxln porosity, no shows noted, even to spotty bright yellow fluorescence.
TG, C1-C5
200
Rezero Gas Detector
0 = 10 Units
25 Unit Gas Increase
Over Background
30 Unit Gas
Incease Over
Background
Mud-Co Mud Ck @
3808'
0840 hrs 12.20.10
Vis 50 Wt 9.3
PV 12 YP 16
WL 12.0


Cake 1/32
pH 8.5
CHL 9,600 ppm
Cal 100
Sol 6.8
LCM: 0 #/bbl
DMC: -$75.65
CMC: $6,179.20
Shale: gray dk gray, blocky, soft to hard, some fissile to splintery.
Limestone: lt cream lt gray, dense to chalky matrix, microxln-vfxln, slightly fossiliferous, poor visibl
porosity, scatttered 2ndary xln along edges in few pieces, no shows noted, little-no fluorescence.
Limestone: lt cream off white, microxln-vfxln, heavily oolitic/fossiliferous with good oomoldic
development, fair-good oomoldic porosity, few pieces with very poor golden brown staining along
edges, no other shows noted, no cut fluorescence, spotty dull yellow-no fluorescence
3850
Limestone: lt cream off white, slightly chalky matrix, vfxln, grainy, heavily fossiliferous with some
oolitic, scattered oomoldic, fair interxln/oomoldic porosity in most pieces, no shows noted, no cut
fluorescence, poor-no fluorescence.
Limestone: lt cream off white, chalky matrix, vfxln, grainy, heavily fossiliferous, poor interxln porosity,
no shows noted, no cut fluorescence, no fluorescence.
Stark Shale 3870 (-1864)
Shale: gray dk gray, mostly blocky and hard, some slightly waxy, some fissile to splintery.
Limestone: lt cream, vfxln-microxln, fossiliferous with oolitic, small oomoldic development, fair-goo
oomoldic porosity in most pieces, no visible shows noted, no cut fluorescence, spotty to even brigh
lt yellow fluorescence, very faint odor in sample.
Limestone: cream lt cream, vfxln, fossiliferous with some oolitic, overall poor interxln porosity, no
shows noted, scattered even bright lt yellow fluorescence.
Rezero Gas Detector
0 = 15 Units
3900
Hushpuckney 3901 (-1895)
Shale: gray dk gray green brick red, mostly blocky and hard, fissile and splintery, some silty and
pyritic.
Limestone: lt cream lt gray off white, slightly chalky matrix, microxln-vfxln, fossiliferous in part, poo
visible porosity, 2 pieces with slight dk black gilsonite dead staining along edges, no other shows
noted, no fluorescence, with scattered Chert: cream tan, fresh and sharp, slightly fossiliferous, no
shows noted
Shale: gray dk gray brick red green, mostly blocky and hard, some waxy, fissile to splintery.
Limestone: lt cream off white, dense chalky matrix, vfxln-microxln, slightly fossiliferous to barren,
poor visible porosity, no shows noted, no fluorescence, with abundant Shale: gray dk gray brick red
mostly blocky and hard, splintery.
Base Kansas City 3940 (-1934)
Shale: gray dk gray green brick red, mostly blocky and hard, some splintery, with INTERBEDDED
Limestone: cream tan lt gray, vfxln, slightly fossiliferous, poor visible porosity, no shows noted, no
fluorescence.
3950
Limestone: cream tan lt gray, dense, vfxln, fossiliferous, poor visible porosity, no shows noted, no
fluorescence, with abundant mixed Shale as above, some becoming silty.
INTERBEDDED - Limestone: cream lt cream off white, dense, vfxln-microxln, heavily fossiliferous wi
some oolitic, poor interxln/interfossiliferous porosity, some scattered 2ndary xln along edges, no
shows noted, no fluorescence, with Shale: gray dk gray, mostly blocky and hard, some fissile to
splintery, sample starting to wash brown/lt brown.
Rezero Gas Detector
0 = 20 Units
INTERBEDDED - Shale: gray dk gray brick red, mostlyb blocky and hard, some fissile to splintery, v
Limestone: cream tan lt gray, dense to slightly chalky matrix, microxln-vfxln, fossiliferous, poor
interxln porosity, no shows noted, no fluorescence, sample washes lt brown/red.
INTERBEDDED - Shale: gray dk gray brick red purple trace black carbonaceous, mostly blocky and
hard, splintery, some silty, with Limestone: cream lt cream off white lt gray, dense to chalky matrix,
microxln-vfxln, fossiliferous, poor interxln porosity, no shows noted, no fluorescence.
4000
Chert: orange with some clear translucent, fresh and sharp, no shows noted, no fluorescence.
0
TG, C1-C5
200
INTERBEDDED - Shale: gray dk gray green brick red purple maroon yellow black carbonaceous,
round to blocky, soft to hard, some waxy, splintery in part, some silty, with Limestone: as above, no
shows noted.
Rezero Gas Detector
following repairs
0 = 15 Units
INTERBEDDED - Shale: gray dk gray green brick red purple yellow, round to blocky, soft to hard,
some waxy, splintery to fissile in some pieces, some silty, with scattered Limestone as above, no
shows noted.
Rig down for mud
pump repairs,
1955 hrs 12.20.10
0
ROP (Min/ft)
5
1
Gamma (API)
150
6
Caliper (Inches)
16


Dev. Survey @ 4080': 2°
Pipe Strap @ 4080': 0.90' Short to Board
DST #1 4044' - 4080'
cfs @ 4065'
Short Trip 20 Stands
cfs @ 4080'
TOH for DST #1, 0640 hrs 12.21.10
4050
4100
4150
4200
4250
ROP (Min/Ft)
Gamma (API)
Caliper (inches)
cfs @ 4230'
Deviation Survey @ 4230': 2°
TOH for Logging, 0325 hrs 12.22.10
Chert: tan pale yellow, mostly fresh and sharp, no shows noted, no fluorescence.
Abundant Conglomerate, mostly soft brick red shale, sample washes dk red with influx, Sandstone: clear quartz grains, vf-fine grained, sub-rounded to sub-angular, well sorted, mostly well cemented, fair intergranular porosity, even lt brown-brown saturated stain, poor show bleeding free brown oil and gas bubbles with fair increase upon break, fair bluish-white cut fluorescence, poor fluorescence, no odor in sample.
Erosional Viola 4058 (-2052)
4065' cfs 30"/60" - Chert: off white cream, fresh and sharp, barren, no visible shows, with Chert: whi lt gray trace black, weathered, tripolitic in part, slightly bleeding gas bubbles and free brown oil with fair increase upon break and left under lamp, fair brown saturated staining along edges with some having dk asphaltic staining, all having milky-bluish/white cut fluorescence, even bright yellow fluorescence, fair gassy odor in sample, and abundant Sandstone as above with continued shows.
4080' cfs 30"/60" - Chert: mixed fresh and sharp to weathered as above, continued shows as decribed above, all pieces having streaming milky-white cut fluorescence, scattered free dk brown oil droplets in tray, faint gassy odor in sample, with overall decrease in Sandstone from above, and influx Chert lt gray, spiculitic, no shows/cu
Resume drilling following DST #1, 1900 hrs 12.21.10
Viola 4085 (-2079)
4081' - 4096' - Chert: bone white lt cream, fresh and sharp with some slightly weathered, mostly bai with some very slightly fossiliferous, few scattered solution vugs, few pieces with good dk black asphaltic staining, fair show tarry black residue from such pieces, fair milky-white cut fluorescence, no other shows noted, fair-poor pale yellow fluorescence in few pieces, no odor in sample.
4097' - 4110' - Chert: abundant fresh and sharp as above, with Chert: lt cream tan, fairly weathered tripolitic, scattered small-medium vugs, few pieces slightly bleeding gas bubbles with fair increase upon break/left under lamp, slight gassy sheen across sample, few visible lt brown oil droplets in tray, fair-poor bluish-white cut fluorescence, even dull lt yellow fluorescence, very faint gassy odor in sample.
4111' - 4121' - Chert: white bone white lt cream tan, mixed fresh and sharp to weathered tripolitic as above, continued minor gas shows as above, fair amount of fresh pieces having dk black asphaltic staining along edges and in visible vugs, overall poor bluish-white cut fluorescence in most, poor fluorescence.
Simpson Shale 4122 (-2116)
Shale: pale green gray dk gray some purple, sub-round to sub-blocky, soft.
Simpson Sand 4128 (-2122)
Sandstone: clear quartz grains, mostly fine-coarse grained with some vf grained, sub-angular, most poorly sorted, well cemented, small-medium dirty clusters, micaceous, poor intergranular porosity in most, very slight show lt brown oil and gas bubbles around edges/from porosity, fair increase in shows when broken/left under lamp, most having dead tarry black oil within grains upon break, milky-white to bluish-white cut fluorescence, spotty bright green fluorescence, poor-no odor in sample.
Shale: gray dk gray pale green brick red, mostly blocky, soft to hard, some sandy, sample washes dk red/brown.
Shale: gray dk gray pale green teal brick red, large slivers/chunks, mostly blocky with some sub-rounded, mainly hard, splintery to fissile, scattered sandy and silty.
Shale: gray dk gray pale green teal brick red purple some yellow, large slivers/chunks, mostly blocky hard to very hard, splintery to fissile in part, scattered sandy and silty.
Arbuckle 4179 (-2173)
Dolomite: cream lt cream lt tan, tight matrix, vfxln, sucrosic, fair-poor interxln porosity, no shows noted, even bright pale green fluorescence.
Dolomite: cream lt cream lt tan trace pink, tight matrix, vfxln-fxln, sucrosic with some scattered fair rhombic development, overall poor interxln porosity, no shows noted, even bright pale green fluorescence, with scattered Chert: bone white lt cream, fresh and sharp, barren, no shows noted.
Dolomite: lt cream, vfxln-fxln, oolitic, sucrosic matrix with fair-good oomoldic development, fair-good oomoldic porosity, good 2ndary xln in porosity, no shows noted, even bright lt yellow-pale green fluorescence, with Dolomite as above, and scattered Chert: white bone white lt cream, fresh and sharp, barren, no shows noted.
4230' cfs 0"/30" - Dolomite: lt cream lt tan, fxln-coarsexln, most having good rhombic development, good rhombic porosity in most pieces, fair-good 2ndary xln between crystal faces, no shows noted, even bright pale green fluorescence, with trace Chert as above.
4230' cfs 60" - Dolomite: lt cream lt tan off white, fxln-coarsexln with some vfxln, sucrosic to fair rhombic development, fair interxln porosity in most pieces, fair 2ndary xln between crystal faces, no shows noted, even bright pale green-yellow fluorescence.
RTD 4230 (-2224)
LTD 4230 (-2224)
Rotary TD @ 4230', 0155 hrs 12.2210
Superior Well Services Open Hole Logging TD @ 4230'
Commence Open Hole Logging Operations, 0630 hrs 12.22.10
Complete Open Hole Logging Operations, 1030 hrs 12.22.10
Resume drilling following repairs, 2235 hrs 12.20.10
60 Unit Gas Kick OverBackground
95 Unit Gas Kick Over Background
Mud-Co Mud Ck @ 4080'
1240 hrs 12.21.10
Vis 49 Wt 9.2
PV 12 YP 28
WL 14.8
Cake 2/32
pH 9.5
CHL 14,000 ppm
Cal 240
Sol 5.6
LCM: 0 #/bbl
DMC: $1,005.15
CMC: $7,184.35
Decision Made By Operator To Continue Without Filament Replacement
Gas Detector Not Working - Filament Out
TG, C1-C5
200

Orders Received to Run 4 1/2" Production Casir

Geologist, Derek W. Patterson, off location 1200 hrs 12.22.1

**Respectfully Submitted,**
**Derek W. Patterson**

QUALITY WELL SERVICE INC

190 TH US 56 HWY
ELLINWOOD, KS 67526

# Invoice

| Date | Invoice # |
|---|---|
| 12/22/2010 | 101 |

| Bill To |
|---|
| OIL PRODUCERS<br>1710 WATERFRONT PKWY<br>WICHITA KS 67206 |

| P.O. No. | Terms | Project |
|---|---|---|
| | | |

| Quantity | Description | Rate | Amount |
|---|---|---|---|
| 275 | COMMON | 12.50 | 3,437.50T |
| 5 | GEL | 20.00 | 100.00T |
| 10 | CALCIUM | 45.00 | 450.00T |
| 69 | FLO-SEAL | 2.00 | 138.00T |
| 290 | HANDLING | 2.00 | 580.00 |
| 8,700 | .05 * SACKS * MILES | 0.05 | 435.00 |
| 1 | | 750.00 | 750.00 |
| 30 | PUMP TRUCK MILEAGE | 7.00 | 210.00 |
| 413 | DISCOUNT | -1.00 | -413.00T |
| 198 | DISCOUNT | -1.00 | -198.00 |
| | DISCOUNT EXPIRES AFTER 30 DAYS FROM THE DATE OF THE INVOICE | 0.00 | 0.00 |
| | LEASE: VOSBURGH WELL #1-2 | | |
| | Sales Tax STAFFORD | 7.30% | 271.01 |

Cement for 13 3/8" Surf Csg

JM

BW

902 - 08

OP

ENTERED

DEC 2 9 2010

Thank you for your business.

**Total** $5,760.51

# QUALITY WELL SERVICE, INC.

5114

Federal Tax I.D. # 481187368

Home Office 190th US 56 HWY, Ellinwood, KS 67526

Todd's Cell 620-388-5422
Darin's Cell 785-445-2686

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|---|---|---|---|---|---|---|---|
| 12-16-10 | 2 | 24 | 15 | STAFFORD | KS | | 5:30 AM |

Lease Voshburgh | Well No. 1-2 | Location Macksville KS 2W 2E 1/2S

Contractor Mallard Drlg | Owner W Into

Type Job 13 3/8 | 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 17 1/2 | T.D. 269

Csg. 13 3/8 43# | Depth 269 | Charge To O.L. Producers Inc of KS

Tbg. Size | Depth | Street

Tool | Depth | City | State

Cement Left in Csg. 15 | Shoe Joint | The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line | Displace 39.7 | Cement Amount Ordered 275 sx Common 2% GEL 3% CC 1/4# CF.

## EQUIPMENT

| | | | |
|---|---|---|---|
| Pumptrk 6 | No. | ~~BRAD~~ | |
| Bulktrk 7 | No. | ~~TODD~~ | |
| Bulktrk | No. | | |
| Pickup | No. | RELIABLE | |

## JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 7 jts 13 3/8 43# CSG

SET @ 269'

MIX & PUMP 275 sx Common

2% GEL 3% CC 1/4# CF.

15.2 #/gal 1.36 ft3

DISP 39.7 BBLS FW

GOOD CIRC THRU JOB

CIRC CMT TO PIT

Thank You Brady & Kelton

X Signature

| | |
|---|---|
| Common | 275 |
| Poz. Mix | |
| Gel. | 5 |
| Calcium | 10 |
| Hulls | |
| Salt | |
| Flowseal | 69 |
| Kol-Seal | |
| Mud CLR 48 | |
| CFL-117 or CD110 CAF 38 | |
| Sand | |
| Handling | 290 |
| Mileage | .05 PER SK PER MILE |

## FLOAT EQUIPMENT

| | |
|---|---|
| Guide Shoe | |
| Centralizer | |
| Baskets | |
| AFU Inserts | |
| Float Shoe | |
| Latch Down | |
| | |
| | |
| Pumptrk Charge | Cmt. |
| Mileage | 30 |
| Tax | |
| Discount | |
| Total Charge | |

BASIC ENERGY SERVICES

| PAGE | CUST NO | INVOICE DATE |
|---|---|---|
| 1 of 1 | 1002993 | 12/28/2010 |

**INVOICE NUMBER**
1718 - 90487361

Pratt (620) 672-1201

BILL TO
OIL PRODUCER'S INC OF KANSAS
1710 WATERFRONT PKWY
WICHITA
KS US 67206
ATTN:

JOB SITE
LEASE NAME: Vosburgh 1-2
LOCATION:
COUNTY: Stafford
STATE: KS
JOB DESCRIPTION: Cement-New Well Casing/Pi
JOB CONTACT:

| JOB # | EQUIPMENT # | PURCHASE ORDER NO. | TERMS | DUE DATE |
|---|---|---|---|---|
| 40267136 | 19905 | | Net - 30 days | 01/27/2011 |

*For Service Dates: 12/22/2010 to 12/22/2010*

0040267136

171803383A Cement-New Well Casing/Pi 12/22/2010
Longstring

| | QTY | U of M | UNIT PRICE | INVOICE AMOUNT |
|---|---|---|---|---|
| AA2 Cement | 125.00 | EA | 12.75 | 1,593.64 T |
| 60/40 POZ | 55.00 | EA | 9.00 | 494.97 T |
| Cello-flake | 32.00 | EA | 2.77 | 88.79 T |
| De-foamer (Powder) | 24.00 | EA | 3.00 | 71.99 T |
| Salt (Fine) | 570.00 | EA | 0.37 | 213.73 T |
| Cement Friction Reducer | 36.00 | EA | 4.50 | 161.99 T |
| Gas-Blok | 118.00 | EA | 3.86 | 455.74 T |
| FLA-322 | 59.00 | EA | 5.62 | 331.85 T |
| Gilsonite | 625.00 | EA | 0.50 | 314.04 T |
| Latch Down Plug & Baffle 4 1/2" (Blue) | 1.00 | EA | 277.48 | 277.48 |
| Auto Fill Float Shoe 4 1/2" (Blue) | 1.00 | EA | 247.48 | 247.48 |
| Turbolizer 4 1/2" (Blue) | 6.00 | EA | 63.75 | 382.47 |
| Super Flush II | 500.00 | EA | 1.15 | 573.71 T |
| Unit Mileage Charge-Pickups, Vans & Cars | 35.00 | HR | 3.19 | 111.55 |
| Heavy Equipment Mileage | 70.00 | MI | 5.25 | 367.47 |
| Proppant and Bulk Delivery Charges | 291.00 | MI | 1.20 | 349.18 |
| Depth Charge; 4001-5000' | 1.00 | HR | 1,889.88 | 1,889.88 |
| Blending & Mixing Service Charge | 180.00 | MI | 1.05 | 188.99 |
| Plug Container Utilization Charge | 1.00 | EA | 187.49 | 187.49 |
| Supervisor | 1.00 | HR | 131.24 | 131.24 |

Cement For 4½" CSG
IPC
902-34
TKN.

PLEASE REMIT TO:
BASIC ENERGY SERVICES, LP
PO BOX 841903
DALLAS, TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES, LP
PO BOX 10460
MIDLAND, TX 79702

| | |
|---|---|
| SUB TOTAL | 8,433.68 |
| TAX | 313.93 |
| INVOICE TOTAL | 8,747.61 |

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

# FIELD SERVICE TICKET

1718 03383 A

2-24S-15W

DATE TICKET NO.

| | |
|---|---|
| DATE OF JOB 12-22-10 DISTRICT Pratt Kansas | NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.: |
| CUSTOMER O.I Producers Inc. of Kansas | LEASE Vosburgh WELL NO. 1-2 |
| ADDRESS | COUNTY Stafford STATE Kansas |
| CITY STATE | SERVICE CREW T Gordley; C Messick; M Mittal; J Hunter |
| AUTHORIZED BY | JOB TYPE: CNW - Longstring |

| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS |
|---|---|---|---|---|---|
| 19907 | .75 | 19959-21010 | .75 | | |
| | | | | | |
| 19866 | .75 | | | | |
| | | | | | |
| 19903-19905 | .75 | | | | |
| | | | | | |

| | DATE | | TIME |
|---|---|---|---|
| TRUCK CALLED | 12 22 10 | AM PM | 430 |
| ARRIVED AT JOB | | AM PM | 730 |
| START OPERATION | | AM PM | 1030 |
| FINISH OPERATION | | AM PM | 1115 |
| RELEASED | | AM PM | 1145 |
| MILES FROM STATION TO WELL | 35 | | |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | $ AMOUNT |
|---|---|---|---|---|---|
| P CP 105 | AA2 Cement | sk | 125 | | $ 2,125 00 |
| P CP 107 | 60/40 Poz Cement | sk | 55 | | $ 660 00 |
| | | | | | |
| P CC 102 | Cellflake | Lb | 32 | | $ 118 40 |
| P CC 105 | Defoamer | Lb | 24 | | $ 96 00 |
| P CC 111 | Salt (Fine) | Lb | 570 | | $ 285 00 |
| P CC 112 | Cement Friction Reducer | Lb | 36 | | $ 216 00 |
| P CC 115 | Gas Blok | Lb | 118 | | $ 607 70 |
| P CC 129 | FLA-322 | Lb | 59 | | $ 442 50 |
| P CC 201 | Gilsonite | LB | 625 | | $ 1418 75 |
| | | | | | |
| P CF 606 | Latch Down Plug and Baffle 4½" | ea | 1 | | $ 370 00 |
| P CF 1250 | Auto Fill Float Shoe 4½" | ea | 1 | | $ 330 00 |
| P CF 1650 | Turbolizer 4½" | ea | 6 | | $ 510 00 |
| | | | | | |
| P CC 155 | Super Flush II | Gal | 500 | | $ 765 00 |
| | | | | | |
| | | | | | |
| | | | | | |

SUB TOTAL

| CHEMICAL / ACID DATA: | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

| | | |
|---|---|---|
| SERVICE & EQUIPMENT | %TAX ON $ | |
| MATERIALS | %TAX ON $ | |
| | TOTAL | |

KG

| | |
|---|---|
| SERVICE REPRESENTATIVE | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: (WELL OWNER OPERATOR CONTRACTOR OR AGENT) |

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

# FIELD SERVICE TICKET

1718 ~~03384~~ A
Continuation

2-24S-15W

DATE TICKET NO. 3383

| | |
|---|---|
| DATE OF JOB 12-22-10 DISTRICT Pratt Kansas | NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.: |
| CUSTOMER Oil Producers Inc. of Kansas | LEASE Vosburgh WELL NO. 1-2 |
| ADDRESS | COUNTY Stafford STATE Kansas |
| CITY STATE | SERVICE CREW A Gordley C Messick M Markel J Hale |
| AUTHORIZED BY | JOB TYPE: C.N.W - Longstring |

| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | DATE | AM PM | TIME |
|---|---|---|---|
| TRUCK CALLED | | AM PM | |
| ARRIVED AT JOB | | AM PM | |
| START OPERATION | | AM PM | |
| FINISH OPERATION | | AM PM | |
| RELEASED | | AM PM | |
| MILES FROM STATION TO WELL | | | |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | $ AMOUNT |
|---|---|---|---|---|---|
| P E100 | Pickup Mileage | mi | 35 | | $ 148 75 |
| P E101 | Heavy Equipment Mileage | mi | 70 | | $ 490 00 |
| P F113 | Bulk Delivery | tm | 291 | | $ 464 80 |
| | | | | | |
| P CE205 | Cement Pump: 4001 Feet To 5,000 Feet | hrs | 4 | | $ 2,520 00 |
| P CE240 | Blending and Mixing Service | sk | 180 | | $ 252 00 |
| P CE504 | Plug Container | Job | 1 | | $ 250 00 |
| | | | | | |
| P S003 | Service Supervisor | Job | 1 | | $ 175 00 |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

SUB TOTAL $ 843368

| CHEMICAL / ACID DATA: | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

| | | |
|---|---|---|
| SERVICE & EQUIPMENT | %TAX ON $ | |
| MATERIALS | %TAX ON $ | |
| | TOTAL | |

| | |
|---|---|
| SERVICE REPRESENTATIVE Francis R. Messick | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Bob Hasen |
| | (WELL OWNER OPERATOR CONTRACTOR OR AGENT) |

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

# BASIC energy services, L.P.

## TREATMENT REPORT

| | | | | | |
|---|---|---|---|---|---|
| Customer: OXY PRODUCERS INC. OF KS. | | Lease No. | | Date: 12-22-10 | |
| Lease: VOSBURGH | | Well #: 1-2 | | | |
| Field Order #: 5383 | Station: PRATT, KS | Casing: 4½ | Depth: 4229 | County: STAFFORD | State: KS |
| Type Job: CNW - LONG STRING | | Formation: TD - 4230 | | Legal Description: 2-24-15 | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|---|---|---|---|---|---|---|---|
| Casing Size: 4½ | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP |
| Depth: 4229 | Depth | From | To | Pre Pad | Max | | 5 Min. |
| Volume: 65.3 | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press: 2,000 PSI | Max Press | From | To | Frac | Avg | | 15 Min. |
| Well Connection: Plug Container | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure |
| Plug Depth: 4210 | Packer Depth | From | To | Flush | Gas Volume | | Total Load |

| | | | |
|---|---|---|---|
| Customer Representative: BOB | Station Manager: SCOTT | Treater: MESSICK | |
| Service Units: 19907 / 19866 | 19503 - 19905 | 19959 - 21010 | |
| Driver Names: KS / MESSICK | MINNIX | JR | |

| Time P.M. | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|---|---|---|---|---|---|
| 7:00 | | | | | ON LOCATION - 19' SHOE JT. |
| 8:00 | | | | | RUN 4229' 4½ 11.6# CSG - 101 JTS |
| | | | | | FLOAT SHOE LATCH BAFFLE 1ST COLLAR |
| | | | | | CENT - 1-3-4-5-6-7 |
| 10:00 | | | | | TAG BOTTOM - DROP BALL - CIRCULATE |
| | | | | | |
| 10:35 | 400 | | 5 | 6 | PUMP 5 bbl H2O |
| | " | | 12 | 6 | PUMP 12 bbl SUPERFLUSH II |
| | " | | 5 | 5 | PUMP 5 bbl H2O |
| 10:45 | 400 | | 30 | 5 | MIX 125 SK AA2 CEMENT |
| | | | | | ¼ #/SK CELLFLAKE - 2% D-AIR 3000 - 10% SALT |
| | | | | | - 3% CFR 1 - 1% GAS BLOK - 5% FLA-322 |
| | | | | | 5 #/SK GILSONITE AT 15.3 # 1.36 CFT. |
| | -0- | | | | STOP - WASH LINE - DROP PLUG |
| 10:55 | 100 | | 0 | 6.5 | START DISP. |
| | 200 | | 45 | 6.5 | LIFT CEMENT |
| | 500 | | 55 | 5 | SLOW RATE |
| 11:05 | 700 | | 65.3 | 4 | PLUG DOWN - HELD |
| | | | | | PUMP RAT HOLE - 30 SK 60/40 POZ |
| | | | | | PUMP MOUSE HOLE - 20 SK 60/40 POZ |
| | | | | | PUMP WATER LINE - 5 SK 60/40 POZ |
| 11:45 | | | | | JOB COMPLETE - WASH UP |

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Oil Producers Inc. of Kansas**

1710 Waterfront Parkway
Wichita, KS 67206-6603

ATTN: Derek Patterson

**2-24s-15w Stafford K**

**Vosburgh 1-2**

Start Date: 2010.12.21 @ 09:04:00
End Date: 2010.12.21 @ 16:10:15
Job Ticket #: 39312 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

# DRILL STEM TEST REPORT

Oil Producers Inc. of Kansas

1710 Waterfront Parkway
Wichita, KS 67206-6603

ATTN: Derek Patterson

**Vosburgh 1-2**

**2-24s-15w Stafford K**

Job Ticket: 39312 **DST#: 1**

Test Start: 2010.12.21 @ 09:04:00

## GENERAL INFORMATION:

Formation: **VIOLA**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:07:00
Time Test Ended: 16:10:15

Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43

**Interval: 4044.00 ft (KB) To 4080.00 ft (KB) (TVD)**
Total Depth: 4080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

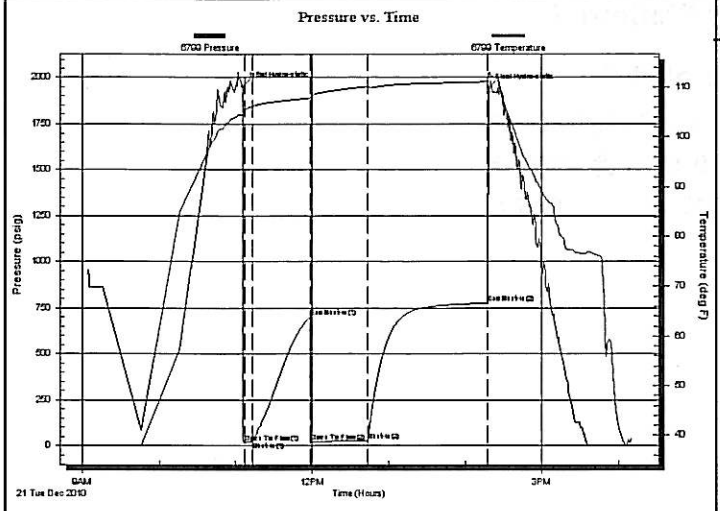
Reference Elevations: 2006.00 ft (KB)
2002.00 ft (CF)
KB to GR/CF: 4.00 ft

**Serial #: 6799** **Outside**

Press@RunDepth: 28.56 psig @ 4045.00 ft (KB)
Start Date: 2010.12.21 End Date: 2010.12.21
Start Time: 09:04:05 End Time: 16:10:14

Capacity: 8000.00 psig
Last Calib.: 2010.12.21
Time On Btm: 2010.12.21 @ 11:05:45
Time Off Btm: 2010.12.21 @ 14:18:45

TEST COMMENT: IF: Fair blow, built to BOB in 7 minutes.
ISI: Bled off, no blow back.
FF: Strong blow, built to BOB immediately. No GTS.
FSI: Bled off, no blow back.




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1953.03 | 104.40 | Initial Hydro-static |
| 2 | 19.02 | 105.34 | Open To Flow (1) |
| 8 | 22.30 | 106.09 | Shut-In(1) |
| 53 | 703.55 | 107.79 | End Shut-In(1) |
| 54 | 24.41 | 107.85 | Open To Flow (2) |
| 98 | 28.56 | 110.15 | Shut-In(2) |
| 193 | 776.69 | 111.16 | End Shut-In(2) |
| 193 | 1946.61 | 112.70 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 50.00 | Mud 100%m | 0.25 |
| 0.00 | 2250' Gas In Pipe | 0.00 |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Oil Producers Inc. of Kansas

1710 Waterfront Parkw ay
Wichita, KS 67206-6603

ATTN: Derek Patterson

**Vosburgh 1-2**

**2-24s-15w Stafford K**

Job Ticket: 39312 **DST#: 1**

Test Start: 2010.12.21 @ 09:04:00

## Tool Information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3800.00 ft | Diameter: | 3.80 inches | Volume: | 53.30 bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | |
| Drill Collar: | Length: | 240.00 ft | Diameter: | 2.25 inches | Volume: | 1.18 bbl | |
| | | | | | Total Volume: | 54.48 bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 24.00 ft |
| Depth to Top Packer: | 4044.00 ft |
| Depth to Bottom Packer: | ft |
| Interval betw een Packers: | 36.00 ft |
| Tool Length: | 64.00 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |

| | |
|---|---|
| Tool Weight: | 2500.00 lb |
| Weight set on Packer: | 25000.00 lb |
| Weight to Pull Loose: | 70000.00 lb |
| Tool Chased | 4.00 ft |
| String Weight: Initial | 52000.00 lb |
| Final | 52000.00 lb |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Shut In Tool | 5.00 | | | 4021.00 | | |
| Hydraulic tool | 5.00 | | | 4026.00 | | |
| Jars | 5.00 | | | 4031.00 | | |
| Safety Joint | 3.00 | | | 4034.00 | | |
| Packer | 5.00 | | | 4039.00 | 28.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 4044.00 | | |
| Stubb | 1.00 | | | 4045.00 | | |
| Recorder | 0.00 | 8655 | Inside | 4045.00 | | |
| Recorder | 0.00 | 6799 | Outside | 4045.00 | | |
| Perforations | 30.00 | | | 4075.00 | | |
| Bullnose | 5.00 | | | 4080.00 | 36.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **64.00** | | | | | |

TRILOBITE TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Oil Producers Inc. of Kansas

1710 Waterfront Parkway
Wichita, KS 67206-6603

ATTN: Derek Patterson

**Vosburgh 1-2**

**2-24s-15w Stafford K**

Job Ticket: 39312 **DST#: 1**

Test Start: 2010.12.21 @ 09:04:00

## 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: | ppm |
| Viscosity: | 45.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 11.98 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 9600.00 ppm | | | | |
| Filter Cake: | inches | | | | |

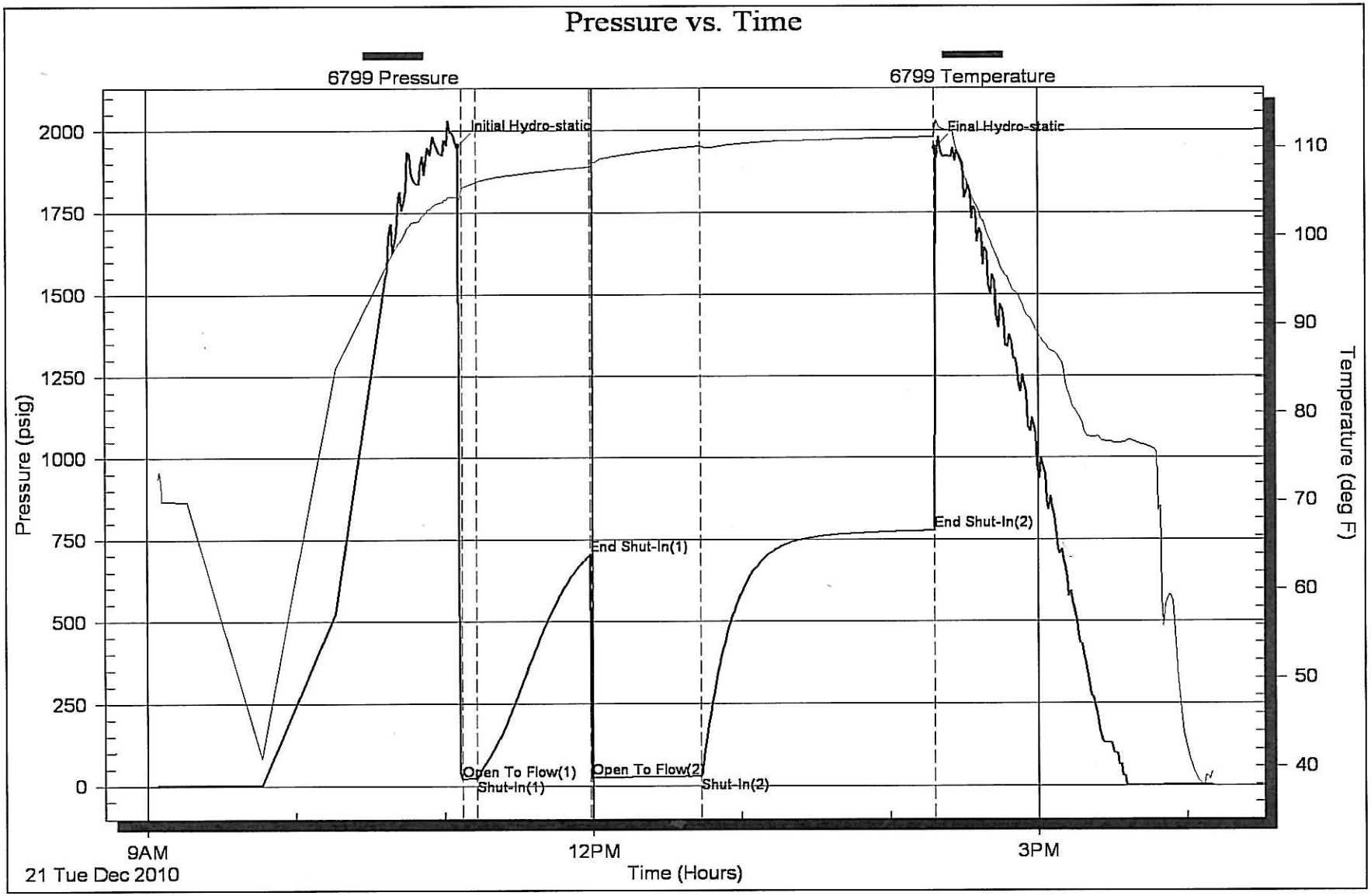
## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 50.00 | Mud 100%m | 0.246 |
| 0.00 | 2250' Gas In Pipe | 0.000 |

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6799 Pressure
6799 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
9AM
12PM
3PM
21 Tue Dec 2010
Time (Hours)

KANSAS
CORPORATION COMMISSION

Sam Brownback, Governor, Thomas E. Wright, Chairman, Ward Loyd, Commissioner

May 03, 2011

OIL PRODUCERS INC. OF KANSAS
1710 WATERFRONT PKWY
WICHITA, KS 67206-6603

RE: API Well No. 15-185-23657-00-00
VOSBURGH 1-2
S2SWNE, 2-24S-15W
STAFFORD County, Kansas

Dear Operator:

Upon review of the above referenced well, the following documentation appears to be incomplete pursuant to K.A.R. 82-3-107. The requested information below should be submitted to the KCC to my attention by May 27, 2011 for processing. Failure to submit the requested documentation may be punishable by an administrative penalty pursuant to the General Rules and Regulations for the State of Kansas.

X All drilling and completion information. No ACO-1 has been received as of this date.
___ Must be notarized and signed.
___ Must have the ORIGINAL HARD COPY of ACO-1. We do not accept fax copies.
___ Must be put on new form and typed.
___ API # or date when original well was first drilled.
___ Contractor License #.
___ Designate type of Well Completion.
___ If Workover/Re-entry, need old well information, including original completion date.
___ Spud date. (Month, Day, Year)
___ Other:
___ TD and Completion date. (Month, Day, Year)
___ Must have Footages from nearest outside corner of section.
___ Side two on back of ACO-1 must be completed.
___ Must have final copies of DST's/Charts.
___ All original complete open and cased hole wireline logs run.
___ A copy of geological reports compiled by wellsite geologist.
___ A copy of all cement job logs showing type, amounts and additives used to cement casing strings, squezze and/or to plug and abandon. (Note: Cement tickets must be from company providing the cement, not necessarily the contractor.)
___ Any commingling information; File on the ACO-4 form.
___ Anything HIGHLIGHTED on ACO-1.

K.C.C. regulation 82-3-107 provides confidentiality, upon written request, for a period of one year from the date of such letter request. Confidentiality rights are waived if the ACO-1 remains incomplete, or is not timely filed (within 120 days from the well's spud date) including: electric logs, geologist's wellsite reports, driller's logs, and Kansas Geological Survey requested samples.

Do not hesitate to call the Kansas Corporation Commission, Conservation Division, at (316) 337-6200 if there are any questions. PLEASE RETURN THIS FORM AND ANY ENCLOSURES WITH YOUR REPLY. Note: If the intent is incorrect, you need to file a corrected intent.

Sincerely,

Deanna Garrison

DEANNA GARRISON
Production Department