Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1247141

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Address 1: 100 S MAIN STE 505
Address 2:
City: WICHITA State: KS Zip: 67202 + 3738
Contact Person: Larry J. Richardson
Phone: (316) 262-8427
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Aaron Young
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

3/03/2015	3/11/2015	3/11/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25854-00-00
Spot Description: S/2 S/2 NE
_ S2 _ S2 _ NE Sec. 12 Twp. 17 S. R. 21 ☐ East ☑ West
2310 Feet from ☑ North / ☐ South Line of Section
1320 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ness
Lease Name: Starrett B Well #: 4
Field Name: Start
Producing Formation: None
Elevation: Ground: 2165 Kelly Bushing: 2171
Total Vertical Depth: 4140 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 407 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 407
feet depth to: 0 w/ 260 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 3900 ppm Fluid volume: 300 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Pickrell Drilling Co. Inc.
Lease Name: Humburg 1 License #: 5123
Quarter SE Sec. 25 Twp. 19 S. R. 22 ☐ East ☑ West
County: Ness Permit #: 15-135-21025-00-00

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**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 03/25/2015

1247141

Operator Name: Pickrell Drilling Company, Inc. Lease Name: Starrett B Well #: 4

Sec. 12 Twp. 17 S. R. 21 ☐ East ☑ West County: Ness

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual Induction
Dual Comp Por

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

Name: Attached Top: Attached Datum: Attached

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	12.25	8.625	28	407	Class A	260	2%gel,3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

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

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☑ No

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

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

DISPOSITION OF GAS: ☐ 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	Pickrell Drilling Company, Inc.
Well Name	Starrett B 4
Doc ID	1247141

Tops

Name	Top	Datum
Anhydrite	1420	+751
B/Anhydrite	1453	+718
Heebner	3553	1382
Lansing	3593	-1422
Stark	3815	-1644
Fort Scott	4032	-1861
Cherokee	4042	-1871
Cherokee B Sd	4057	-1885
Mississippi	4095	1924

DRILL STEM TEST REPORT

Pickrell Drilling Co inc

100 South Main Suite 505
Wichita Ks.
67202
ATTN: Aaron Young

Sec. 12 - 17 s. - 21 w./ Ness

Starrett B # 4

Job Ticket: 62516 **DST#: 1**

Test Start: 2015.03.10 @ 04:20:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:36:15
Time Test Ended: 11:31:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Bob Hamel
Unit No: 72

Interval: 4043.00 ft (KB) To 4066.00 ft (KB) (TVD)
Total Depth: 4066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

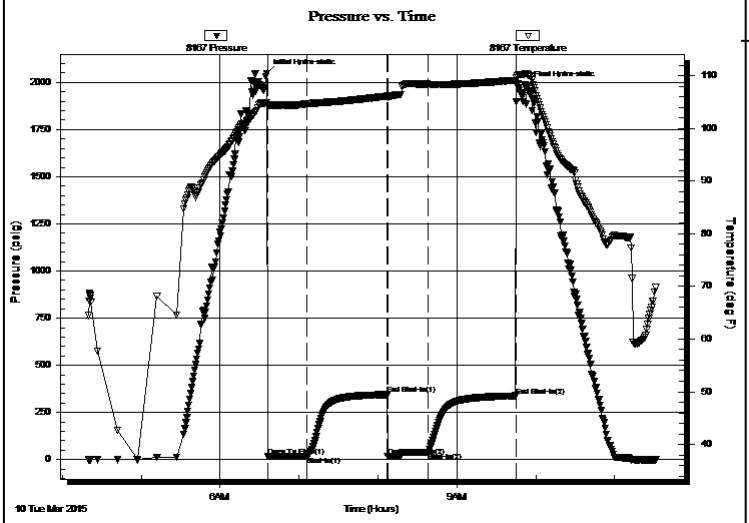
Reference Elevations: 2171.00 ft (KB)
2165.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8167 **Outside**

Press@RunDepth: 39.92 psig @ 4044.00 ft (KB)
Start Date: 2015.03.10 End Date: 2015.03.10
Start Time: 04:20:05 End Time: 11:31:29

Capacity: 8000.00 psig
Last Calib.: 2015.03.10
Time On Btm: 2015.03.10 @ 06:35:15
Time Off Btm: 2015.03.10 @ 09:53:00

TEST COMMENT: I.F. - 30 - 1/4" INT. BLOW BUILT TO 3/4"
I.S.I. - 60 - NO B.B.
F.F. - 30 - NO BLOW FLUSHED TOOL @ 10 MIN. W.S.B. BUILT TO 1"
F.S.I. - 60 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2048.14	104.89	Initial Hydro-static
1	17.10	104.54	Open To Flow (1)
31	18.64	104.71	Shut-In(1)
92	344.85	106.15	End Shut-In(1)
92	18.56	105.98	Open To Flow (2)
123	39.92	108.37	Shut-In(2)
190	338.06	109.17	End Shut-In(2)
198	1981.60	110.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud	0.63

Gas Rates

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

DRILL STEM TEST REPORT

Pickrell Drilling Co inc

100 South Main Suite 505
Wichita Ks.
67202
ATTN: Aaron Young

Sec. 12 - 17 s. - 21 w./ Ness

Starrett B # 4

Job Ticket: 62516 **DST#: 1**

Test Start: 2015.03.10 @ 04:20:00

GENERAL INFORMATION:

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Deviated: No Whipstock: ft (KB)
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Time Test Ended: 11:31:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Bob Hamel
Unit No: 72

Interval: 4043.00 ft (KB) To 4066.00 ft (KB) (TVD)
Total Depth: 4066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

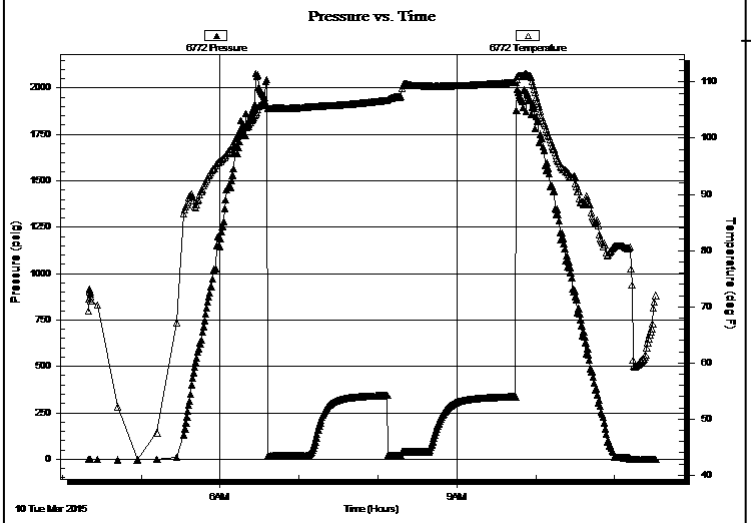
Reference Elevations: 2171.00 ft (KB)
2165.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6772 **Inside**

Press@RunDepth: psig @ 4044.00 ft (KB)
Start Date: 2015.03.10 End Date: 2015.03.10
Start Time: 04:20:05 End Time: 11:31:29

Capacity: 8000.00 psig
Last Calib.: 2015.03.10
Time On Btm:
Time Off Btm:

TEST COMMENT: I.F. - 30 - 1/4" INT. BLOW BUILT TO 3/4"
I.S.I. - 60 - NO B.B.
F.F. - 30 - NO BLOW FLUSHED TOOL @ 10 MIN. W.S.B. BUILT TO 1"
F.S.I. - 60 - NO B.B.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud	0.63

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co inc

100 South Main Suite 505
Wichita Ks.
67202

ATTN: Aaron Young

Sec. 12 - 17 s. - 21 w./ Ness

Starrett B # 4

Job Ticket: 62516 **DST#: 1**

Test Start: 2015.03.10 @ 04:20:00

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud	0.631

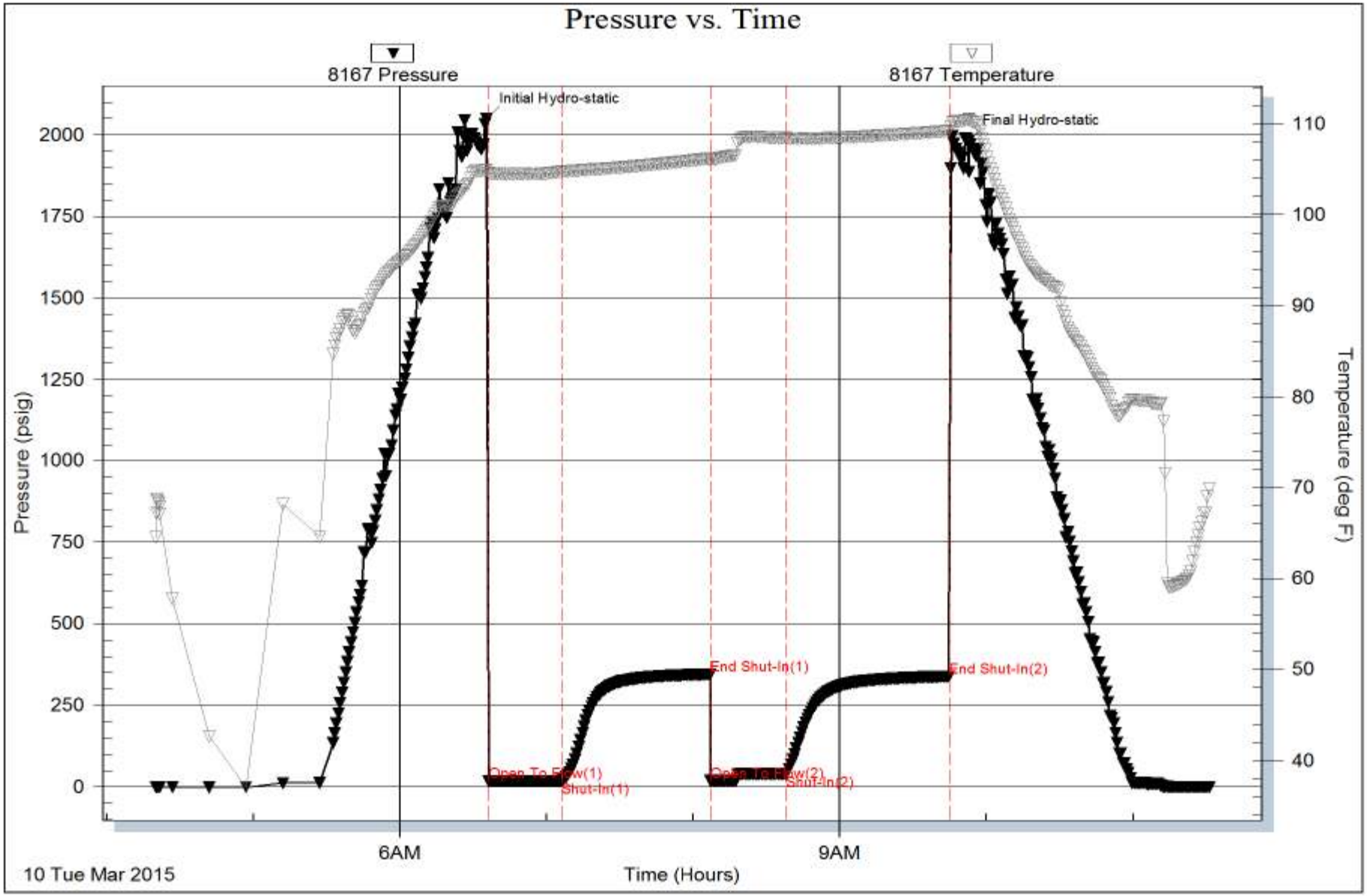
Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

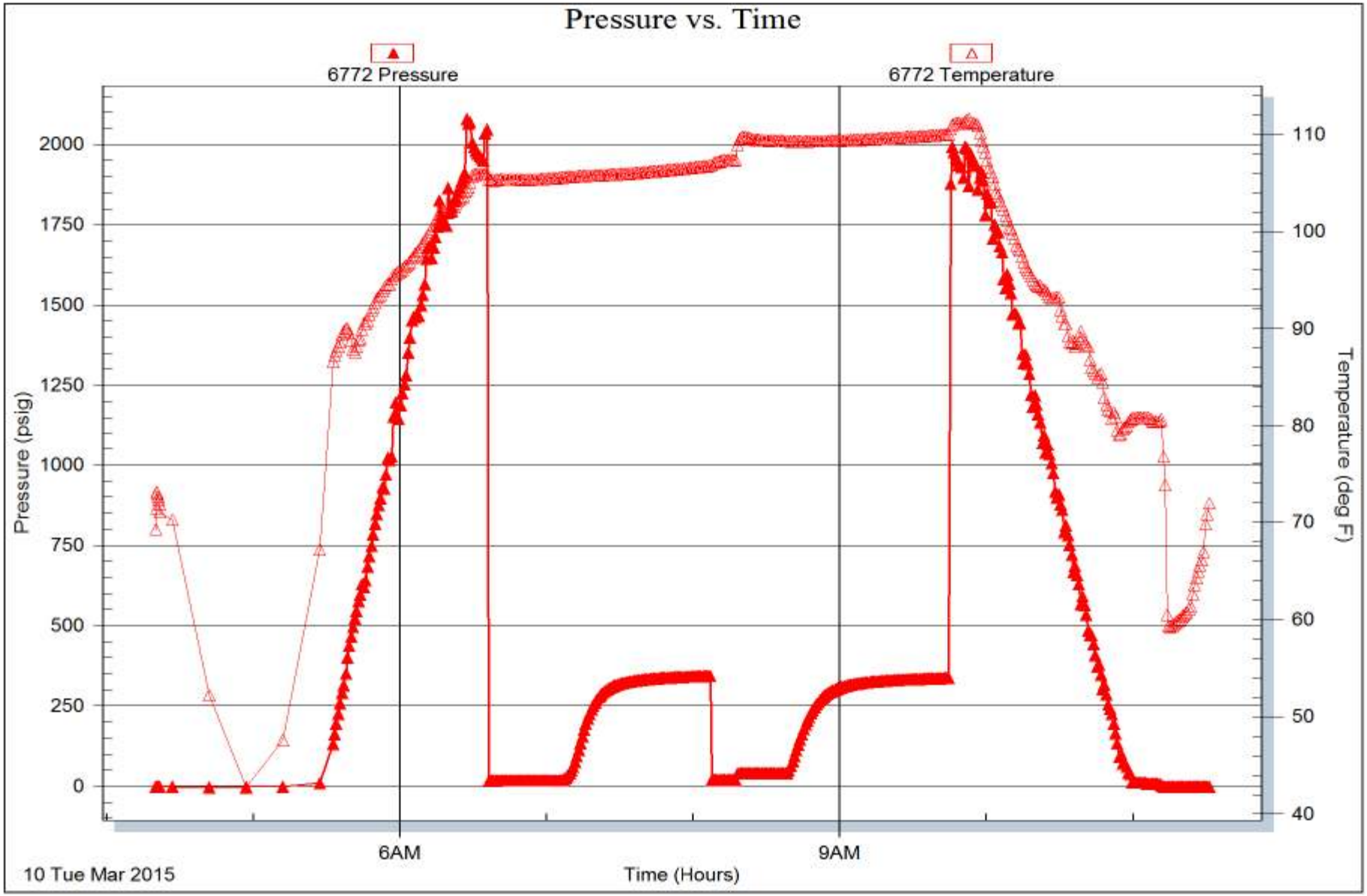
Recovery Comments:

Serial #: 8167 **Outside** Pickrell Drilling Co inc Starrett B # 4 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 62516 Printed: 2015.03.10 @ 12:59:03

Serial #: 6772 **Inside** Pickrell Drilling Co inc Starrett B # 4 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 62516 Printed: 2015.03.10 @ 12:59:03

Geologic Report

Aaron L. Young

Drilling Time and Sample Log

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

Well Name:	**Starrett "B" #4**		
API:	**15-135-25854**		
Location:	**Section 12 - T17S - R21W**		
License Number:	**5123**	**Region:**	**Ness Co., KS**
Spud Date:	**3/3/ 2015**	**Drilling Completed:**	**3/10/15**
Surface Coordinates:	**2310' FNL and 1320' FEL**		
	Approx. S2 - S2 - NE		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2164'**	**K.B. Elevation (ft):**	**2171'**
Logged Interval (ft):	**3300'** **To: 4140'**	**Total Depth (ft):**	**4140'**
Formation:	**Mississippian**		
Type of Drilling Fluid:	**Chemical - Mud-Co**		

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

OPERATOR

Company: Pickrell Drilling Company, Inc.
Address: 100 S Main Ste 505
Wichita, KS 67202+3738

GEOLOGIST

Name: Aaron L. Young, M.S.
Company: Pickrell Drilling Company, Inc.
Address: 100 S Main, Suite 505
Wichita, Kansas 67202

General Info

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ RR	15-15-15	409	403	3.50
2	7-7/8	HA20JQ	15-15-15	4066	3663	107.25
3	7-7/8	537GLY	15-15-15	4140	74	4.5

SURVEYS: 217'-1, 409'-.75, 1171'-1, 1608'-1, 2108'-1, 2608'-1, 4066'-.1, 4140'-.75

GENERAL DRILLING AND PUMP INFORMATION:
Drilling with 32,000 - 42,000 lbs. on bit and approx 65-75 RPM.
Running 8 stands of collars; 474.88'
Pumping approx 900 psi at standpipe.

Daily Status

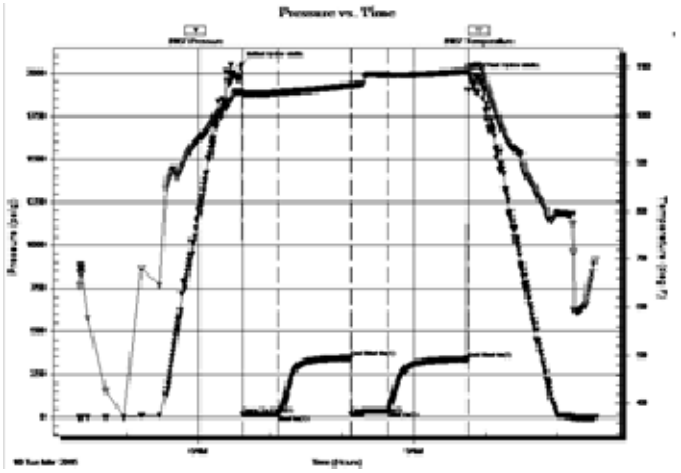
3/3/15 - Spud @ 4:00pm
3/4/15 - WOC @ 409', Ran 10 jts of used 8 5/8" 28# surface casing set @ 407', cmt w/ 260 sx Class A, 2% gel, 3% CC
3/5/15 - Drilling @ 1421'
3/6/15 - Drilling @ 2327'
3/7/15 - Drilling @ 2858'
3/8/15 - Displacing @ 3757'
3/9/15 - Drilling @ 3830'
3/10/15 - Prep to test @ 4066' DST #1 4043'-4066', RTD 4140', LTD 4139'
3/11/15 - Ran logs, P&A w/ 50sx @1490', 60sx @ 750, 50sx @420, 20sx @ 60', 30sx in RH of 60-40 poz w/ 4% gel & 1/4#FC/sx

DST #1: 4,043' - 4,066' Cherokee Sand
30" - 60" - 30" - 60"

IF: 1/4" initial blow, built to 3/4"
ISI: No blow back
FF: No blow, flushed tool @ 10min, built to 1"
FSI: No blow back

RECOVERY: 43' Mud

SIP: 345-338; FP: 17-19, 19-40; HP: 2048-1982;



ROCK TYPES

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

ACCESSORIES

MINERAL
- 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
- Chlorite
- Dol
- Sand
- Slty

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

STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

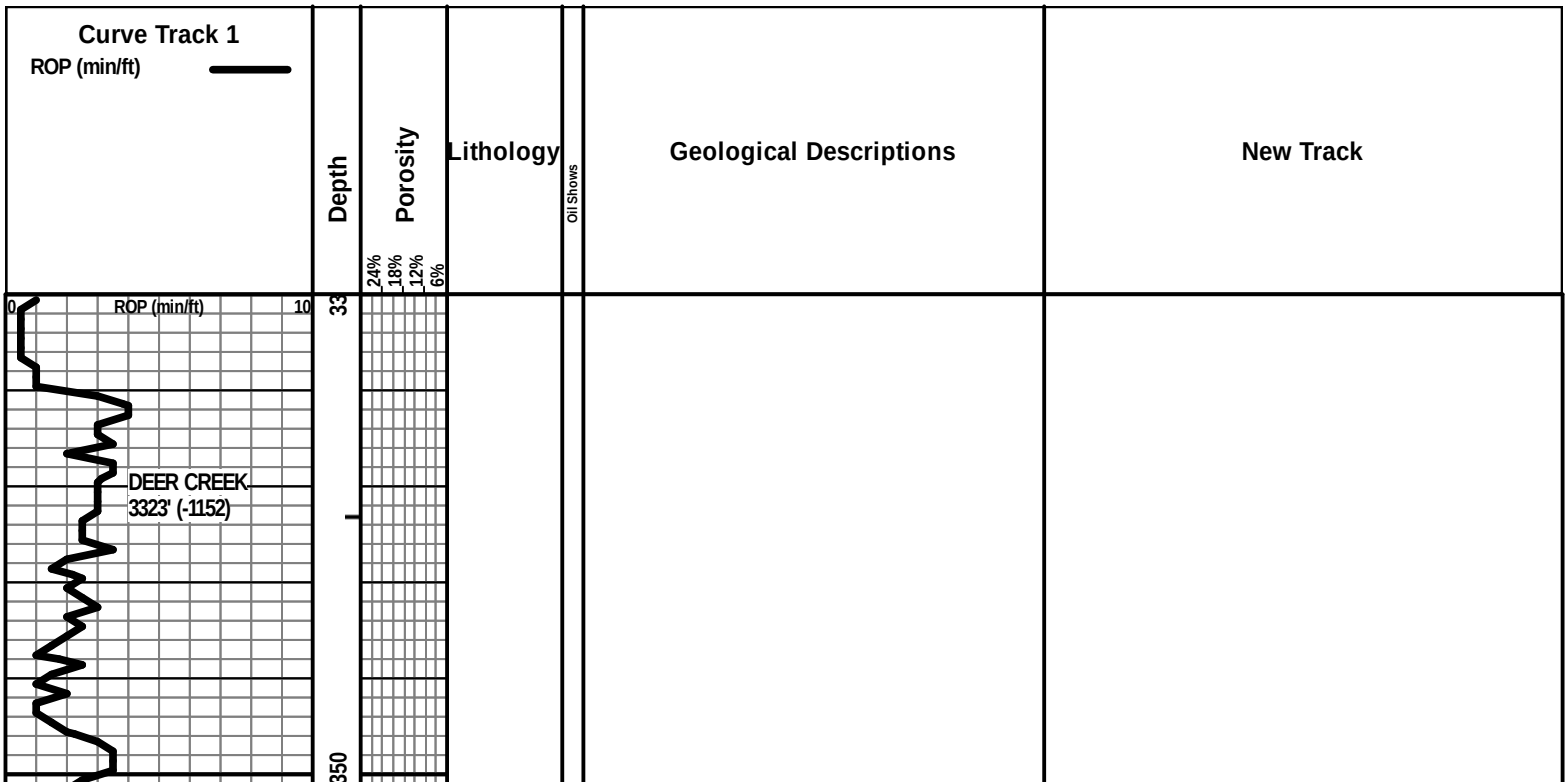
SORTING
- Well
- Moderate
- Poor

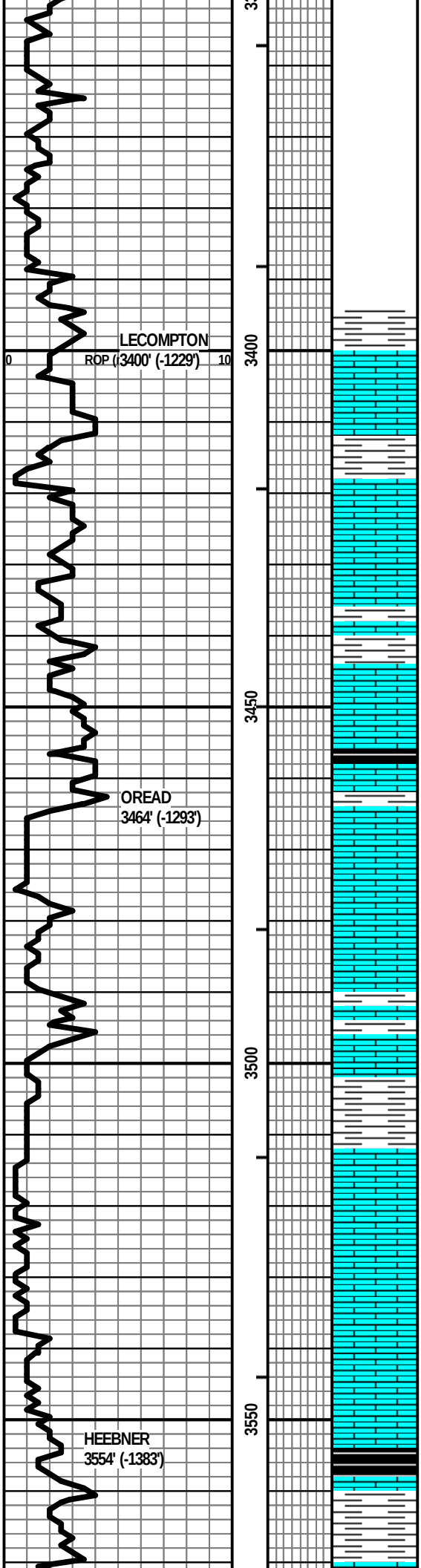
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

INTERVALS
- Core
- Dst
- Dst

EVENTS
- Rft
- Sidewall
- Conn





Displaced at 3358'

Finished displacement

WT 8.9
VIS 71

SH - GY

LS - TAN, F XLN, P / F INTXLN POR, NS, NO ODOR

NOT ENOUGH MUD VOLUME

HARDLY ANY CUTTINGS COMING UP

SH - GY, V SOFT

LS - LT TAN / DK TAN, F XLN, P / F INTXLN POR, NS, NO ODOR

SAMPLE QUALITY IS TERRIBLE

LS - WHT / CRM, VF XLN, CHKY / SUBCHKY

LS - TAN, F XLN, MOD DNS / DNS

SH - GRN
SH - RD

LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS IN PT

WT 8.9
VIS 89

SH - BLK, CARB

LS - CRM / TAN, VF / F XLN, MOD DNS, ABUND FOSS, NO VIS POR

LS - TAN / GY, F XLN, DNS

SH - RD / GRN / GY

WT 8.9
VIS 46

SH - MAR / RD / RD-ORNG / GRN / BRN / GY, V SOFT IN PT

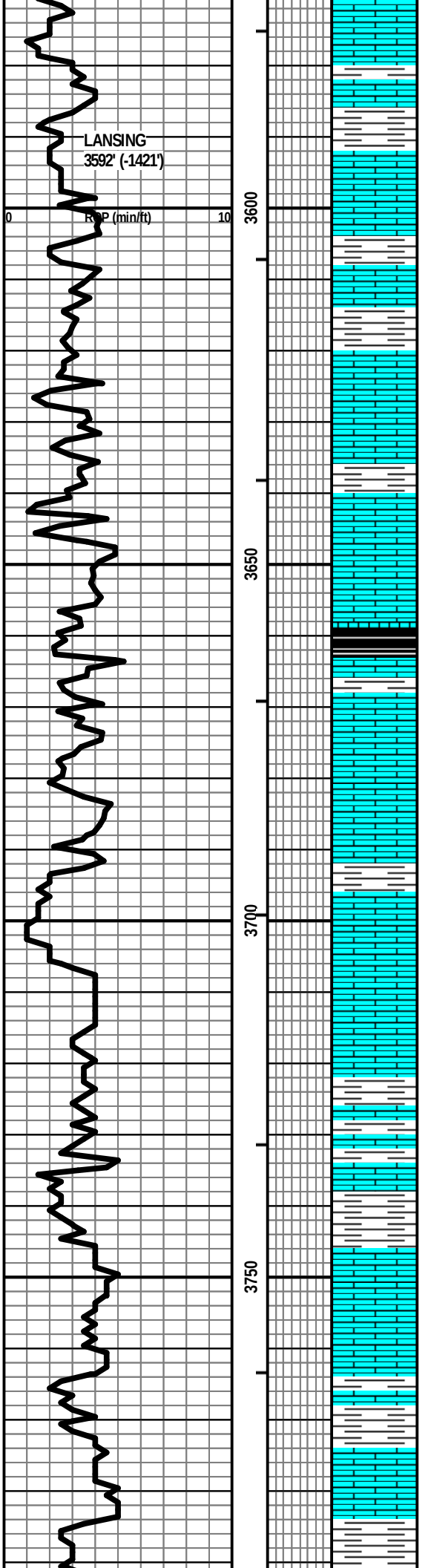
LS - CRM / TAN, VF / F XLN, MOD DNS, FOSS

LS - TAN / BRN, VF / F XLN, MOD DNS / DNS, ABUND FOSS

SH - BLK, CARB

LS - WHT, VF XLN, CHKY

SH - GRN / GY



LS - TAN, F XLN, DNS

WT 8.9
VIS 50

LS - TAN / BRN, F XLN , V DNS

SH - GY

LS - TAN / GY, F XLN, MOD DNS / DNS, FOSS IN PT

SH - GY, W/ LS - TAN, F XLN, DNS

LS - CRM, VF / F XLN, SUBCHKY / MOD DNS, FOSS IN PT, W/ SH - GRN / GY

LS - TAN / GY, VF / F XLN, MOD DNS / DNS

WT 9.0
VIS 49

LS - WHT / CRM, VF / F XLN, CHKY / SUBCHKY, W/ SH - GY

LS - CRM, F XLN, DNS, FOSS

LS - TAN / BRN, VF / F XLN, MOD DNS, FOSS, STYLOLITIZED IN PT

SH - BLK, CARB

WT 9.1
VIS 48

LS - TAN / LT GY, F XLN, SUBCHKY / DNS, FOSS, W/ SH - DK GRN, FOSS

LS - CRM, VF / F XLN, MOD DNS / SUBCHKY IN PT, FOSS IN PT

LS - TAN / GY, VF / F XLN, MOD DNS / SUBCHKY, FOSS

SH - GY / GRN / RD, W/ LS - CRM, F XLN, MOD DNS / DNS

LS - CRM, VF / F XLN, SUBCHKY / MOD DNS

WT 9.1
VIS 45

LS - CRM / TAN, F XLN, DNS, FOSS IN PT

SH - GY, W/ LS - CRM, VF / F XLN, MOD DNS

LS - TAN / GY, F XLN, MOD DNS, W/ SH - GY

Started premix in

SH - GRN / GY, W/ LS - CRM / TAN, F XLN, DNS

LS - TAN / GY, VF / F XLN, MOD DNS

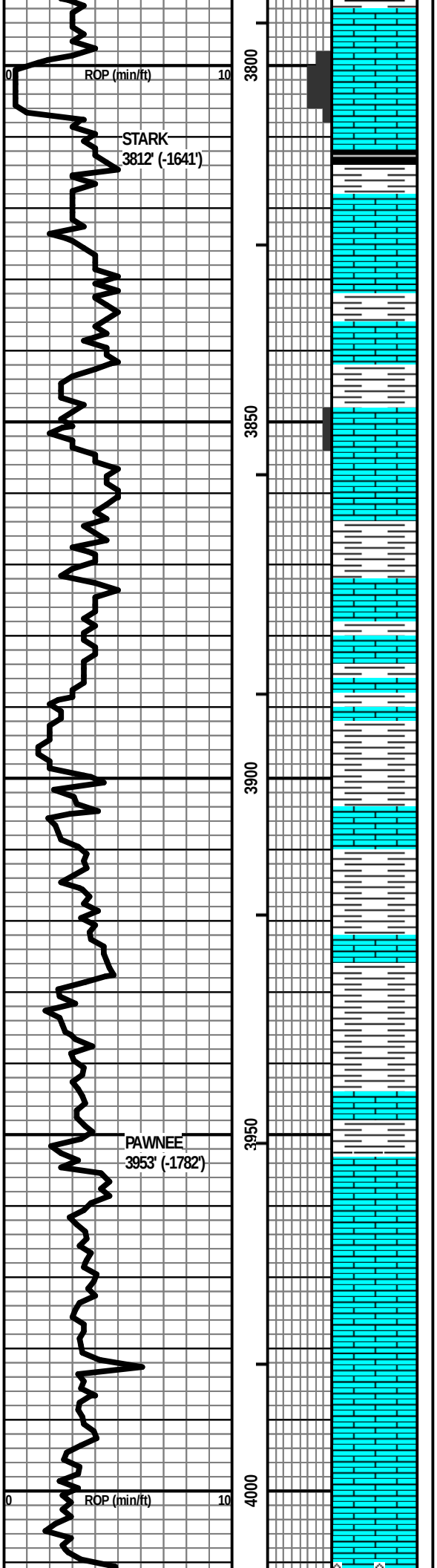
WT 9.3
VIS 51

SH - GY, W/ LS - CRM, F XLN, MOD CHKY / CHKY

Premix in

LS - TAN / GY, VF / F XLN, MOD DNS, FOSS IN PT

SH - GY / GRN / MAR



LS - CRM / TAN, VF / F XLN, SUBCHKY

LS - CRM, F XLN, P OOLMOLDIC POR, NS, NO ODOR, ABUND OOL

SH - BLK, CARB, W/ SH - GY

LS - CRM, F XLN, P OOLMOLDIC POR, NS, NO ODOR

SH - RD / GRN / GY, W/ LS - CRM / TAN, VF / F XLN, MOD DNS / DNS

SH - GY

WT 9.2
VIS 54

LS - CRM, VF / F XLN, P INTXLN POR IN PT, NS, NO ODOR, FOSS

LS - WHT / CRM, VF XLN, SUBCHKY / CHKY

SH - GRN / MAR

LS - CRM, VF / F XLN, SUBCHKY / MOD DNS

WT 9.2
VIS 50

SH - GY, W/ LS - CRM, VF / F XLN, SUBCHKY

WT 9.3
VIS 53

SH - GRN / GY / RD, W/ LS - TAN / GY, F XLN, DNS

SH - GRN / MAR

LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY

SH - GRN / MAR / GY

LS - CRM, VF XLN, SUBCHKY

SH - MAR / GRN / RD-ORNG / VIOL

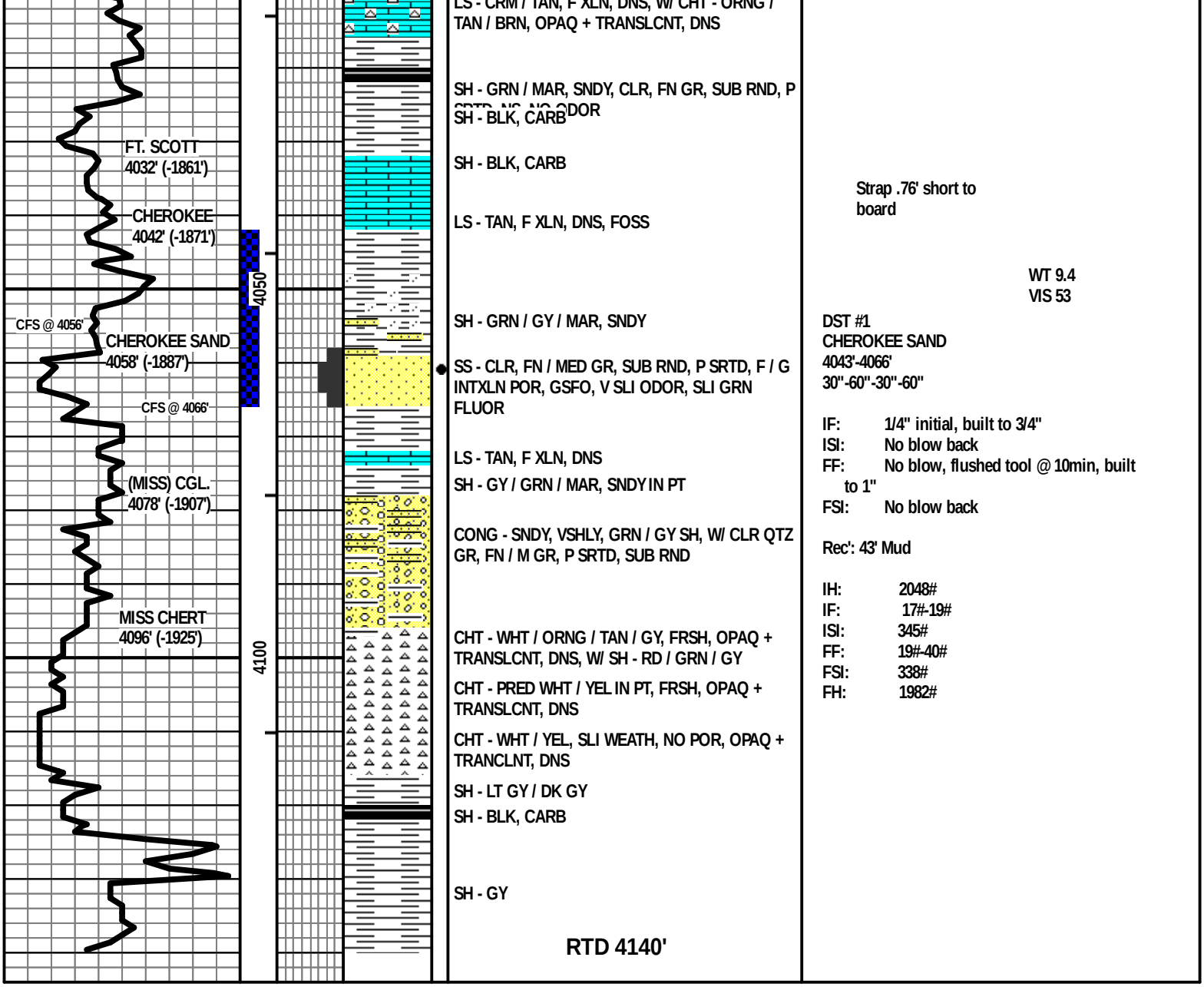
WT 9.1
VIS 53

LS - CRM / TAN, F XLN, DNS, FOSS IN PT

LS - CRM, VF / F XLN, MOD DNS / SUBCHKY

LS - TAN, F XLN, DNS

LS - WHT / CRM, VF XLN, SUBCHKY / CHKY, FOSS IN PT



LS - CRM / TAN, F XLN, DNS, W/ CHT - ORNG / TAN / BRN, OPAQ + TRANSLCNT, DNS

SH - GRN / MAR, SNDY, CLR, FN GR, SUB RND, P SRTD, NS, NO ODOR

SH - BLK, CARB

SH - BLK, CARB

LS - TAN, F XLN, DNS, FOSS

SH - GRN / GY / MAR, SNDY

SS - CLR, FN / MED GR, SUB RND, P SRTD, F / G INTXLN POR, GSFO, V SLI ODOR, SLI GRN FLUOR

LS - TAN, F XLN, DNS

SH - GY / GRN / MAR, SNDY IN PT

CONG - SNDY, VSHLY, GRN / GY SH, W/ CLR QTZ GR, FN / M GR, P SRTD, SUB RND

CHT - WHT / ORNG / TAN / GY, FRSH, OPAQ + TRANSLCNT, DNS, W/ SH - RD / GRN / GY

CHT - PRED WHT / YEL IN PT, FRSH, OPAQ + TRANSLCNT, DNS

CHT - WHT / YEL, SLI WEATH, NO POR, OPAQ + TRANCLNT, DNS

SH - LT GY / DK GY

SH - BLK, CARB

SH - GY

RTD 4140'

Strap .76' short to board

WT 9.4
VIS 53

DST #1
CHEROKEE SAND
4043'-4066'
30"-60"-30"-60"

IF: 1/4" initial, built to 3/4"
ISI: No blow back
FF: No blow, flushed tool @ 10min, built to 1"
FSI: No blow back

Rec': 43' Mud

IH: 2048#
IF: 17#-19#
ISI: 345#
FF: 19#-40#
FSI: 338#
FH: 1982#

ALLIED OIL & GAS SERVICES, LLC 065151

Federal Tax I.D. # 20-8651475

P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend KS

DATE 3-11-15	SEC. 12	TWP. 17S	RANGE 21W	CALLED OUT	ON LOCATION 9:30A	JOB START 11:00A	JOB FINISH 1:20P
LEASE Starrett B	WELL # 4		LOCATION McCracken KS 1W 1/2N			COUNTY Ness	STATE KS
OLD OR (NEW) (Circle one)			West 1/4 N into				

CONTRACTOR Pickrell
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D.
CASING SIZE 8 5/8 DEPTH 407
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1490
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER Pickrell Drilling

CEMENT
AMOUNT ORDERED 210sx 60:40:4% Gel + 1/4# Flosea l

EQUIPMENT

PUMP TRUCK CEMENTER Jake Heard
597 HELPER Kevin Eddy
BULK TRUCK
544/198 DRIVER Paul M
BULK TRUCK
DRIVER

REMARKS:

1st plug 1490ft 50sx TOC 1262
2nd Plug 750ft 60sx TOC 477
3rd plug 420ft 50sx TOC 206
4th plug 60ft 20sx TOC Surface

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
210sx 60/40+4%	@	18.92	3.973.20
flo 53	@	2.97	157.41
	@		4.130.61
	@	25%	1.032.65
	@		
	@		
	@		
	@		
HANDLING 225.57	@	2.48	559.41
MILEAGE 9.42 x 40 x		2.75	1.036.20
		TOTAL	

SERVICE

DEPTH OF JOB 1490, 750, 420, 60
PUMP TRUCK CHARGE 1512.25
EXTRA FOOTAGE @
MILEAGE Hum 40 @ 7.70 308.00
MANIFOLD @
Lum 40 @ 4.40 176.00
@

TOTAL 3.591.86
25% 897.97

CHARGE TO: Pickrell
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

SALES TAX (If Any)
TOTAL CHARGES 7.722.47
DISCOUNT 25% 1.930.62 IF PAID IN 30 DAYS
5.791.85

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

PRINTED NAME X Mike Klein

SIGNATURE X Mike Thm

ALLIED OIL & GAS SERVICES, LLC 065207

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend, KS 3-4-15

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
3-3-15	12	17s	24w		10:00pm	12:30 AM	1:30 AM

LEASE	WELL #	LOCATION	COUNTY	STATE
Starrett B	4	McCracken 1w 1/2 N Wind	Ness	KS

OLD OR NEW (Circle one)

CONTRACTOR Pickrell #10
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8 5/8 DEPTH 409.75
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 35 Ft
PERFS.
DISPLACEMENT 23.68 bbls Fresh

OWNER

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Dustin Chambers
HELPER Kevin Eddy
BULK TRUCK # 457-472 DRIVER Ben Newell
BULK TRUCK # DRIVER

CEMENT
AMOUNT ORDERED 260 sks Class A 3%cc 2% gel

COMMON	260	@ 17.90	4.654.00
POZMIX		@	
GEL	488	@ .50	244.00
CHLORIDE	733	@ 1.10	974.89
ASC		@	5.872.89
		@ 25%	1.468.22
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	281.15	@ 2.48	697.35
MILEAGE	12 x 3 x 40 x	2.75	1.411.30
		TOTAL	

REMARKS:

Break circulation with Rig pump 5 bbls fresh ahead
mix 260 sks cement
shut down & Release plug
Displace 23.68 bbls fresh, shut in cement did circulate
plug Down 1:00 AM
Rig Down

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE		1512.35	
EXTRA FOOTAGE		@	
MILEAGE	Hum 40	@ 7.70	308.00
MANIFOLD		@	
	hum 40	@ 4.40	176.00
		@	
		TOTAL	4.104.80
		25%	1.026.20

CHARGE TO: Pickrell Drilling
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-8 5/8 Baffle plate	@ 320.00	320.00
1-8 5/8 Rubber plug	@ 131.00	131.00
	@	
	@	
	@	
	TOTAL	430.00
		107.50

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

SALES TAX (If Any)
TOTAL CHARGES 10.407.69
DISCOUNT 2.601.92 IF PAID IN 30 DAYS
7.805.77

PRINTED NAME X Mike Kelly

SIGNATURE X Mike Kelly

Thank You!