KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1128612

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 # 30259
Name: Werth, Andy dba Werth Exploration Trust
Address 1: 1308 SCHWALLER AVE
Address 2:
City: HAYS State: KS Zip: 67601 + 2242
Contact Person: ANDY WERTH
Phone: (785) 625-4968
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: HERB DEINES
Purchaser:

Designate Type of Completion:

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

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

3/19/2013	3/24/2013	3/24/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-063-22100-00-00
Spot Description:
NE - SE - SE - SW Sec. 15 Twp. 11 S. R. 26 [ ] East [x] West
456 Feet from [ ] North / [x] South Line of Section
2849 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Gove
Lease Name: Dubois-Sheldon Well #: 1
Field Name:
Producing Formation: NONE
Elevation: Ground: 2638 Kelly Bushing: 2645
Total Depth: 4520 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 221 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: 28000 ppm Fluid volume: 600 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. [ ] East [ ] West
County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [ ] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 04/18/2013

Side Two

[redacted] 1128612

Operator Name: Werth, Andy dba Werth Exploration Trust Lease Name: Dubois-Sheldon Well #: 1

Sec. 15 Twp. 11 S. R. 26 ☐ East ☑ West County: Gove

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:

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

Name	Top	Datum
Attached	Attached	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	23	221	COMMON	150	2%GEL 3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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	Werth, Andy dba Werth Exploration Trust
Well Name	Dubois-Sheldon 1
Doc ID	1128612

Tops

Name	Top	Datum
ANHYDRITE	2218	+427
HEEBNER SHALE	3886	-1241
LKC	3929	-1284
BKC	4175	-1530
PAWNEE	4322	-1677
FT SCOTT	4396	-1751
CHEROKEE SHALE	4421	-1776
MISSISSIPPI	4500	-1855

OPERATOR

Company:	ANDY WERTH DBA WERTH EXPLORATION TRUST		
Address:	1308 SCHWALLER AVE HAYS, KANSAS 67601		
Contact Geologist:	ANDY WERTH		
Contact Phone Nbr:	785-625-4968		
Well Name:	DUBOIS-SHELDON # 1		
Location:	NE SE SE SW Sec.15-11s-26w	API:	15-063-22,100-00-00
Pool:	WILDCAT	Field:	UNNAMED
State:	KANSAS	Country:	USA

Scale 1:240 Imperial

Well Name:	DUBOIS-SHELDON # 1		
Surface Location:	NE SE SE SW Sec.15-11s-26w		
Bottom Location:			
API:	15-063-22,100-00-00		
License Number:	30259		
Spud Date:	3/19/2013	Time:	8:00 PM
Region:	GOVE COUNTY		
Drilling Completed:	3/24/2013	Time:	3:45 PM
Surface Coordinates:	456' FSL & 2849' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2638.00ft		
K.B. Elevation:	2645.00ft		
Logged Interval:	0.00ft	To:	0.00ft
Total Depth:	4520.00ft		
Formation:	LANSING-KANSAS CITY		
Drilling Fluid Type:	CHEMICAL/FRESH WATER GEL		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:		Latitude:	
N/S Co-ord:	456' FSL		
E/W Co-ord:	2849' FEL		

LOGGED BY

Company:	SOLUTIONS CONSULTING, INC		
Address:	108 W 35TH HAYS, KS 67601		
Phone Nbr:	(785) 639-1337		
Logged By:	Geologist	Name:	HERB DEINES

CONTRACTOR

Contractor:	ROYAL DRILLING INC.		
Rig #:	1		
Rig Type:	MUD ROTARY		
Spud Date:	3/19/2013	Time:	8:00 PM
TD Date:	3/24/2013	Time:	3:45 PM
Rig Release:	3/24/2013	Time:	11:00 PM

ELEVATIONS

K.B. Elevation:	2645.00ft	Ground Elevation:	2638.00ft
K.B. to Ground:	7.00ft		

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL BASED ON NEGATIVE RESULTS OF DST #1.

NO OPEN HOLE LOGS WERE RAN ON THIS WELL.

DRILL STEM TESTING BY: SUPERIOR TESTERS ENTERPRISES LLC - ONE (1) CONVENTIONAL TEST

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

	DUBOIS-SHELDON # 1 456' FSL & 2849' FEL, SW/4 Sec. 15-11s-26w 2638' GL 2645' KB	DUBOIS-HAILEY #1 E2 NW NW NW Sec. 23-11s-26w Reference Well

FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS	
Anhydrite	2218+ 427		*+433*	+6
B-Anhydrite	2259+ 386		*+391*	*+5*
Topeka			*-1032*	
Heebner Shale	3886-1241		*-1248*	*-7*
Toronto	3914-1269		*-1271*	*-2*
LKC	3929-1284		*-1290*	*-6*
BKC	4175-1530		*-1537*	*-7*
Pawnee	4322-1677		*-1682*	*-5*
Ft Scott	4396-1751		*-1752*	*-1*
Cherokee Shale	4421-1776		*-1780*	*-4*
Mississippi	4500-1855		*NR*	
RTD	4520-1875		*-1868*	

SUMMARY OF DAILY ACTIVITY

3-19-13	**RU, spud, set 8 5/8" surface pipe to 221' w/ 150 sacks Common, 2%Gel, 3%CC, plug down 9:45 PM**
3-20-13	**226', drill plug at 6:45am**
3-21-13	**2434,'drilling, displace mud system 3200'**
3-22-13	**3646', drilling, pulled pdc bit at 3836'**
3-23-13	**4060', drilling, DST # 1 4078' – 4110' "I" zone LKC**
3-24-13	**4570', RTD @ 3:45pm, no logs ran, P&A**

DST # 1 LKC "I" ZONE TEST SUMMARY

DRILL STEM TEST REPORT

Werth Exploration Trust

1308 Schwaller Avenue
Hays, Kansas 67601+2242

ATTN: Herb Deines

15/11S/26W/Gove

Dubois-Sheldon #1

Job Ticket: 17480 **DST#: 1**

Test Start: 2013.03.23 @ 07:24:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:25:30
Time Test Ended: 14:10:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Hays/110

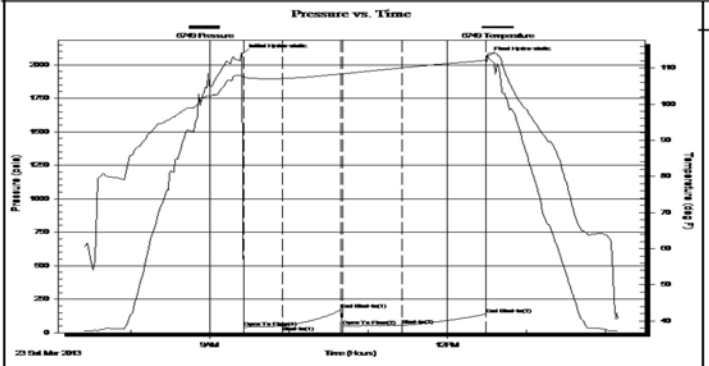
Interval: 4078.00 ft (KB) To 4110.00 ft (KB) (TVD)
Total Depth: 4110.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 2645.00 ft (KB)
2638.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6749 **Inside**
Press@RunDepth: 54.35 psia @ 4106.00 ft (KB)
Start Date: 2013.03.23 End Date: 2013.03.23
Start Time: 07:24:00 End Time: 14:10:00

Capacity: 5000.00 psia
Last Calib.: 2013.03.23
Time On Btm: 2013.03.23 @ 09:24:30
Time Off Btm: 2013.03.23 @ 12:30:30

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 2 1/2 inches in bucket of diesel
1ST Shut In 45 Minutes/No blow back
2ND Open 45 Minutes/Fair blow /Blow built to 7 inches in bucket of diesel
2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2082.31	107.96	Initial Hydro-static
1	41.31	107.43	Open To Flow (1)
31	49.11	107.07	Shut-In(1)
75	174.26	108.34	End Shut-In(1)
77	49.78	108.36	Open To Flow (2)
121	54.35	110.02	Shut-In(2)
185	138.97	112.07	End Shut-In(2)
186	2059.97	113.72	Final Hydro-static

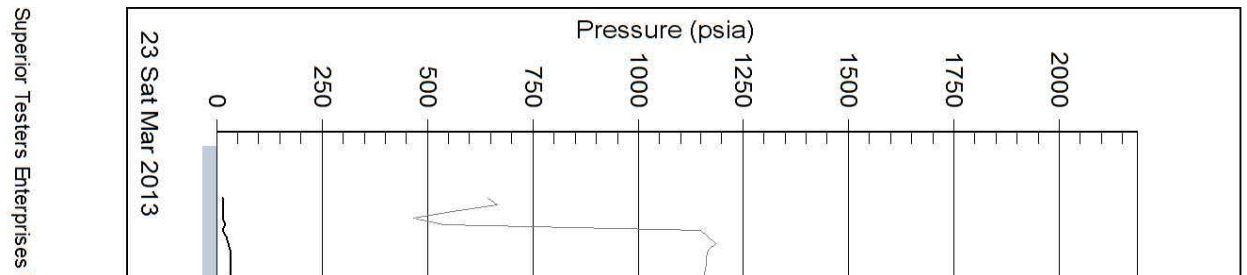
Recovery

Length (ft)	Description	Volume (bbl)
40.00	Oil cut Mud	0.56
0.00	Oil 15% Mud 85%	0.00

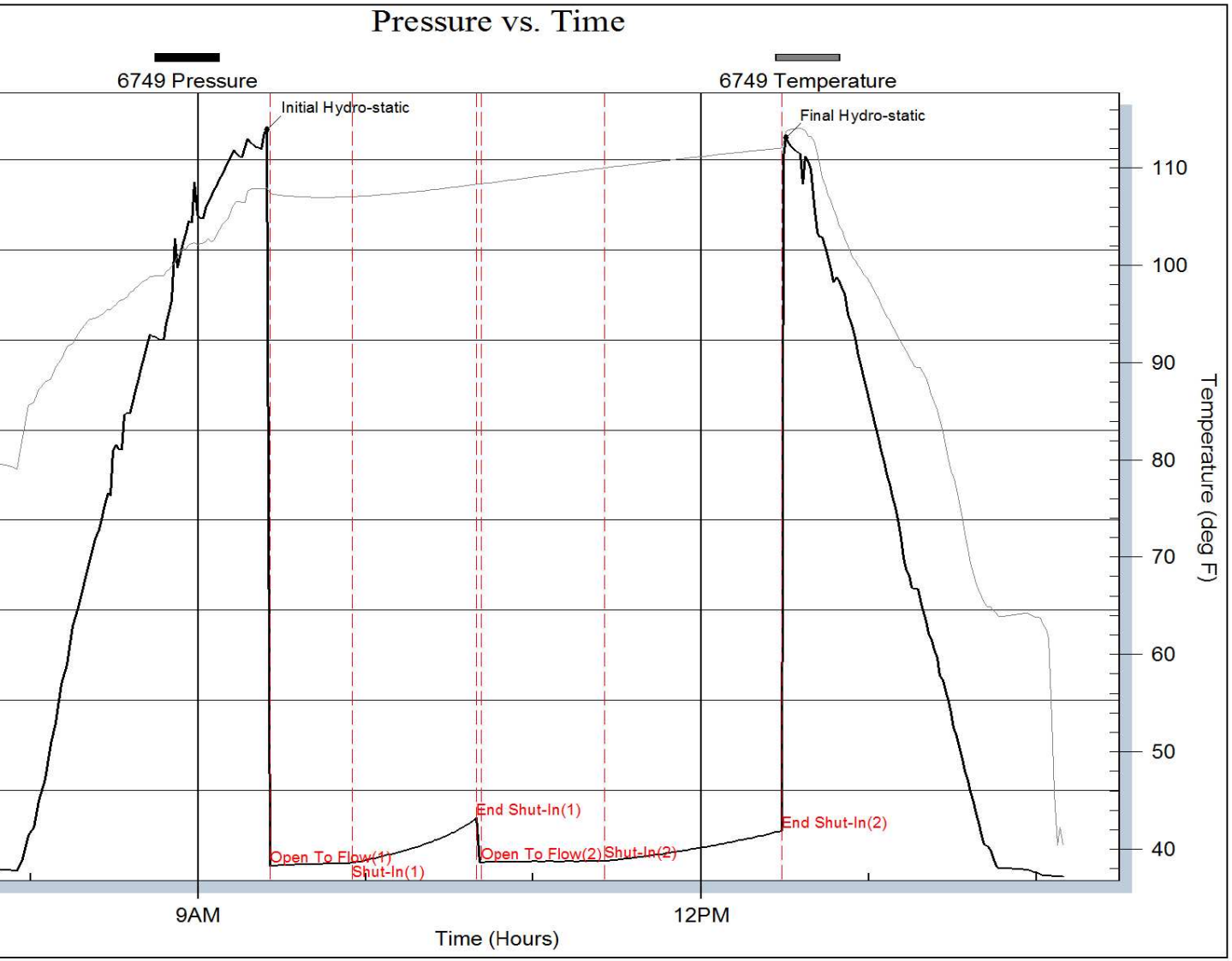
Gas Rates

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

DST # 1 EXPANDED CHART



nside Werth Exploration Trust Dubois-Sheldon #1 DST Test Number: 1



LLC Ref. No: 17480 Printed: 2013.03.23 @ 14:31:21

ROCK TYPES

Dol Lime
Lscongl
Carbon Sh
shale, red
Shcol
Lmst fw7>
shale, grn
shale, gry
Cht vari
Clystgy
Dolprim

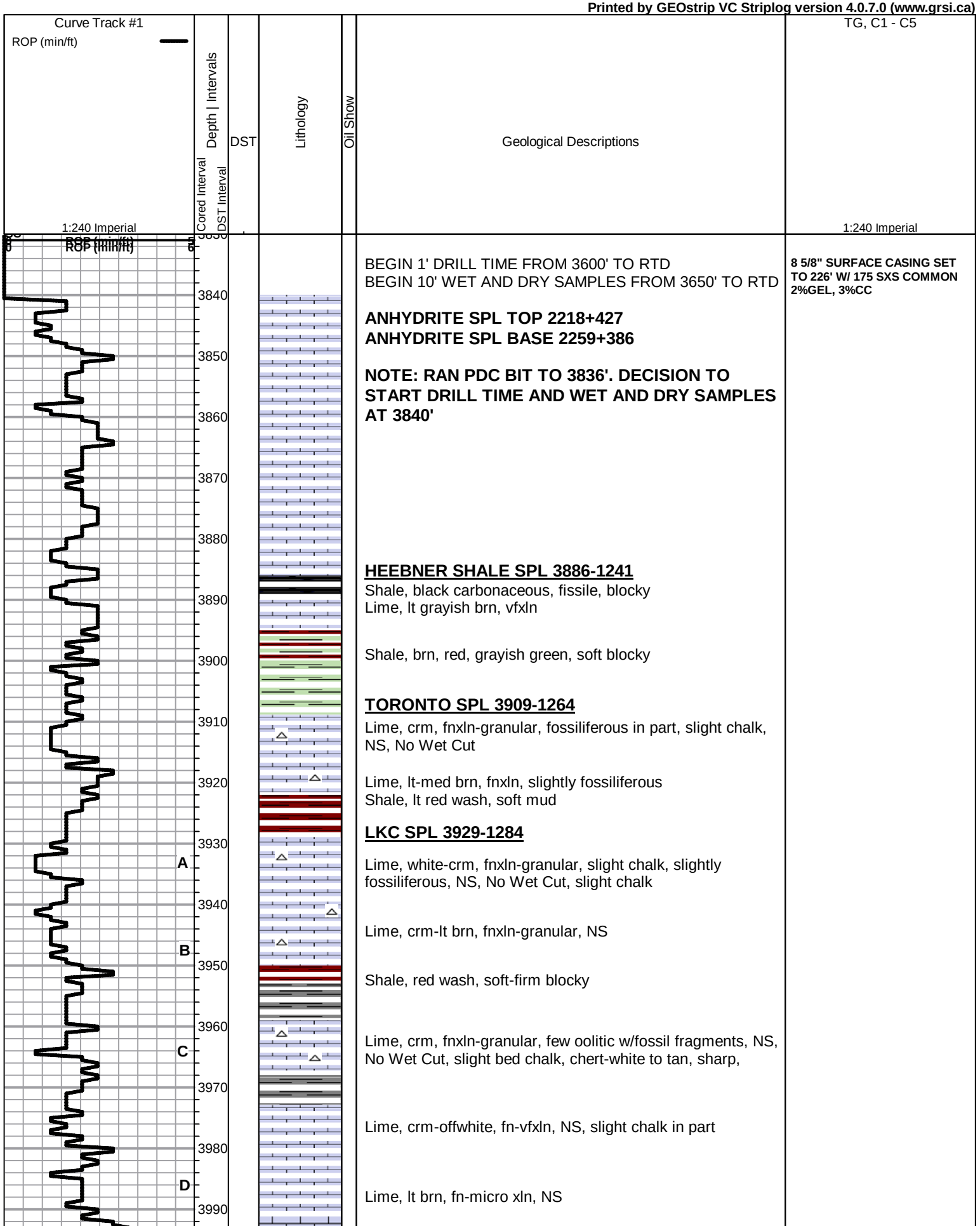
ACCESSORIES

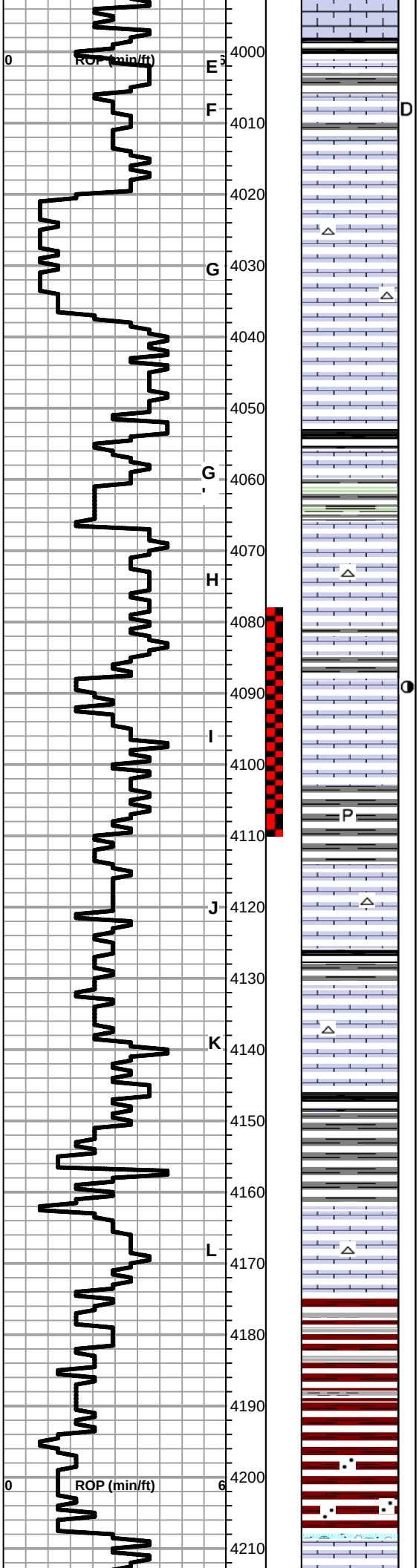
MINERAL
P Pyrite
Sandy
Varicolored chert
Chert White

OTHER SYMBOLS

DST
- DST Int
- DST alt
- Core

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Shale, gray-black carbonaceous, soft blocky

Lime, white-crm, fossiliferous w interfossil porosity mixed with fine oolitic material, dead immobile oil, no odor

Lime, crm, fn-vfxln-micro xln in part, slight bed chalk

Lime, crm-lt brn, granular, chalky white wash with sticky clumps of chalk in part, NS, No Wet Cut

Lime, crm, fnxln, slight chalk

Shale, gray-black carbonaceous
Lime, med-dark brn, vfxln, hard on crush

Shale, lime green, soft forming sticky clumps

Lime, lt-med brn, fn-micro xln, no visible porosity, slight bed chalk, slightly fossiliferous

Lime, crm-lt brn, fn-micro xln, slight bed chalk

Lime, lt-med brn, granular w/ fine oolitic material and fossil fragments, scattered to saturated staining, fine inter xln porosity with scattered fine pinpoint vugs, v lt odor w/ few small specks of free oil

DST # 1 4078' TO 4110' SEE HEADER FOR TEST SUMMARY

Shale, med gray, soft blocky, lots of pyrite clusters

Lime, lt-med brn, fn-vfxln, thin beds w micro fossils, well cemented, NS

Shale, gray-black carbonaceous , soft blocky

Lime, lt gray, fnxln, soft on crush with yellowish gold stain in part, grades into vfxln, hard lime

Shale, gray-black carbonaceous, soft blocky

Shale, gray-dark chocolate, soft blocky

Lime, lt brn, fnxln, slight chalk

BKC SPL 4175-1530

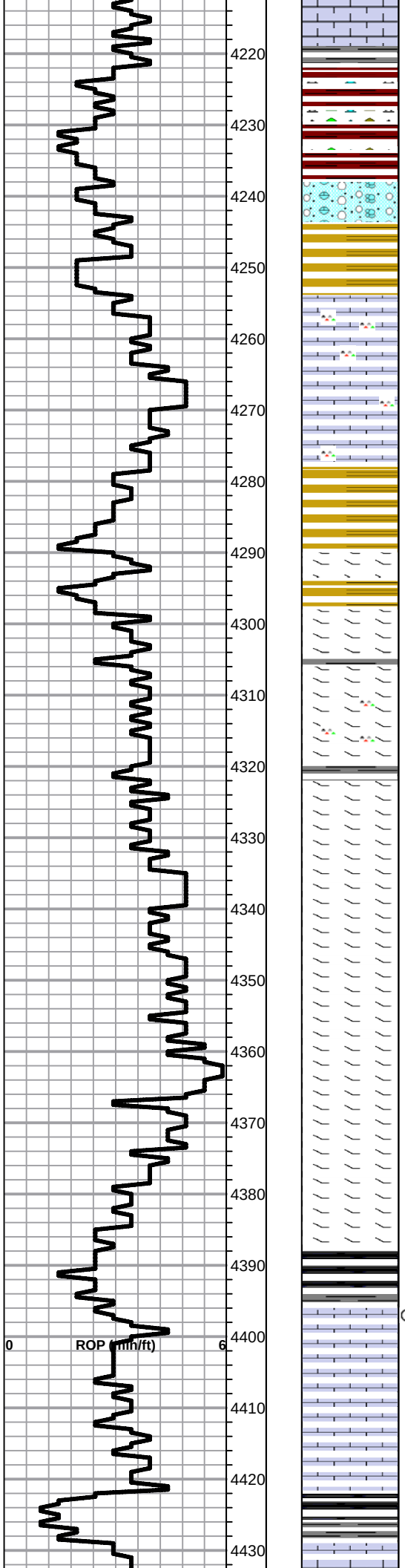
Shale, lt red wash mixed with dove gray shale forming soft sticky clumps

Shale, reddish brn, soft blocky

Shale, reddish brn, increasing sand content, NS

MARMATON SPL 4208-1563

Lime, lt gray vfxln, hard on crush



Lime, lt gray,vfxln, hard on crush

Shale, lt gray, soft-firm blocky

Shale, deep red wash, vari color chert

Lime, clastic mix with red shale staining

Shale, reds, brns, grays, soft blocky

Lime, tan-lt gray, granular-fnxln w fresh orange chert

Lime, tan-lt gray, granular-fnxln, dolomitic in part , hard on crush

Shale, vari colored, soft - firm blocky and slivers

Lime, yellow with gold stain, fossiliferous and well cemented, vfxln-micro xln, hard on crush

Lime, lt gray, vfxln, dolomitic, some reworked material in part

Lime, lt gray, fn-micro xln, orange chert, fresh, sharp

PAWNEE SPL 4322-1677

Lime, lt-med gray, fnxln, dolomitic

Lime, lt-med gray, fn-vfxln, hard on crush, dolomitic

Lime, med gray, fn-vfxln, dolomitic, hard on crush

Lime, lt-dark gray, fn-vfxln, increasing black shale content, dolomitic, hard on crush

Lime, med-dark gray, dolomitic, hard on crush

Lime, drak gray-black, dolomitic, increasing black shale content near facies boundary

Shale, black carbonaceous, fissile, blocky

FORT SCOTT SPL 4396-1751

Lime, lt grayish brn, mostly fnxln, few chips with scattered fine pinpt porosity with trace of spotty stain, NFO, No Odor, scattered sparry calcite backfill in part

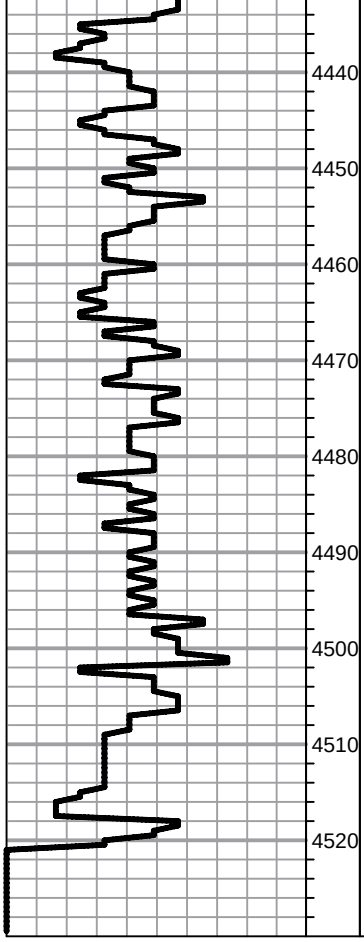
Lime, crm-lt brn, fnxln, slight chalk, NS

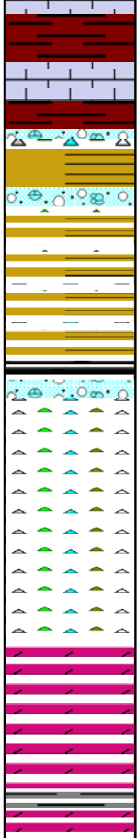
Lime,. med brn, fn-vfxln

CHEROKEE SHALE SPL 4421-1776

Shale, black carbonaceous, fissile, blocky

Lime, lt brn, vf-micro xln, hard on crush





Shale, dark reddish brn, soft blocky

Lime, crm-lt brn, fn-vfxln-micro xln, hard on crush, few crinoid fragments

Shale, vari colored with increasing content of vari colored cherts

Shale, vari colored with vari colored cherts , firm, waxy in part

Clastic mix of vari colored cherts, sandstone and vari colored shale, NS

Chert, vari color in vari color shales, NS

Chert, vari color mixed with vari color shale, waxy in part

Chert, vari color mixed with vari color shales, NS, No Odor

MISSISSIPPI SPL 4500-1855

Dolomite, crm, granular, fine grained, NS No Stain

Doloite, AA NS

NO TRACE OF GILSONITE OR ASPHALTS NOTED IN THIS INTERVAL OR THE UNDERLYING MISSISSIPPI DOLOMITE

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6634

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-19-13	15	11	26	Gove	Ks		8:30 PM

Location Quinter Ks - 2N to BB Rd, 2 3/8 E

Lease Dubois - Sheldon Well No. 1

Owner No Info

Contractor Royal #1

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job Surface

Hole Size 12 1/4" T.D. 221'

Csg. 8 5/8" Depth 221'

Charge To Westh Exploration

Street

Tbg. Size Depth

City State

Tool Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 15' Shoe Joint 15'

Cement Amount Ordered 150 sx Common 3% CC 2% Gel

Meas Line Displace 13 BLS

EQUIPMENT

Pumptrk 16 No. Cementer Helper Travis

Bulktrk 14 No. Driver Driver Billy

Bulktrk P.U. No. Driver Driver Rick

JOB SERVICES & REMARKS

Remarks: Cement did Circulate.

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	150
Poz. Mix	
Gel.	3
Calcium	5
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	158
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	36
Tax	
Discount	
Total Charge	

X Signature Doug Budig

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6471

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 3-24-13	15	11	26	GOVE	KS		11:30 p.m.

Location Quinter 2W 2½S 1W into

Lease DeDoi's Sheldon Well No. 1

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Contractor Royal #1

Type Job Rotary Plug

Hole Size 7 7/8 T.D. 4520

Charge To Worth Exploration Trust

Csg. Depth

Street

Tbg. Size Depth

City State

Tool Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. Shoe Joint

Cement Amount Ordered 220 60/40 4%Gel ¼#Flo

Meas Line Displace

EQUIPMENT

Pumptrk 9 No. Cementer Chris
Helper

Bulktrk No. Driver Cody
Driver

Bulktrk 8 No. Driver Doug
Driver

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30SK

Mouse Hole 15SK

Centralizers

Baskets

D/V or Port Collar

1st 2250 25SK
2nd 1363 100SK
3rd 270 40SK
4th 40 10SK

Common	132
Poz. Mix	88
Gel.	8
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	50#
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 5/8 wooden Plug
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	plug
Mileage 36	
Tax	
Discount	
Total Charge	

X Signature