



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228205
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1228205

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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 <i>(Amount and Kind of Material Used)</i>	Depth

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

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

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

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

Company: DENIS F. ROBERTS
 Address: 3904 FAIRWAY DRIVE
 HAYS, KANSAS 67601

Contact Geologist: DENIS F. ROBERTS
 Contact Phone Nbr: 785-625-8526
 Well Name: ROBERTS # 1
 Location: NW SE NE SW, SEC. 5-T9S-R20W
 API: 15-163-24,253-00-00
 Pool:
 State: KANSAS

Field: ARPIN
 Country: USA

Scale 1:240 Imperial

Well Name: ROBERTS # 1
 Surface Location: NW SE NE SW, SEC. 5-T9S-R20W
 Bottom Location:
 API: 15-163-24,253-00-00
 License Number: 32322
 Spud Date: 10/2/2014 Time: 5:00 PM
 Region: ROOKS COUNTY
 Drilling Completed: 10/5/2014 Time: 8:00 AM
 Surface Coordinates: 1786' FSL & 2291' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2131.00ft
 K.B. Elevation: 2139.00ft
 Logged Interval: 3000.00ft To: 3770.00ft
 Total Depth: 3770.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -99.5780989
 Latitude: 39.297747
 N/S Co-ord: 1786' FSL
 E/W Co-ord: 2291' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 WEST 35TH STREET
 HAYS, KANSAS 67601

Phone Nbr: 785-625-3380
 Logged By: GEOLOGIST

Name: HERB DEINES/BRUCE BASYE

CONTRACTOR

Contractor: DISCOVERY DRILLING, INC.
 Rig #: 1
 Rig Type: MUD ROTARY
 Spud Date: 10/2/2014 Time: 5:00 PM
 TD Date: 10/5/2014 Time: 8:00 AM
 Rig Release: 10/6/2014 Time: 10:00 AM

ELEVATIONS

K.B. Elevation: 2139.00ft Ground Elevation: 2131.00ft
 K.B. to Ground: 8.00ft

NOTES

THE ROBERTS # 1 RAN FLAT IN THE LKC WITH THE A.E.ARPIN # 1 LOCATED NE NE SW. ALL SHOWS IN THE LKC WERE TESTED IN A.E. ARPIN # 1 WITH NEGATIVE RESULTS. THE A.E. ARPIN # 1 WAS COMPLETED AS

AN ARBUCKLE WELL. THE ROBERTS # 1 WAS DRILLED WITH THE INTENTION OF LOCATING THE SAME ARBUCKLE STRUCTURE BUT ENCOUNTERED CONGLOMERATE FILL OF CHERTS AND SHALES INSTEAD OF THE ARBUCKLE. AFTER LOG ANALYSIS AND CAREFUL CONSIDERATION BY ALL PARTIES, IT WAS RECOMMENDED THAT THE WELL BE PLUGGED AND ABANDONED DUE TO THE LACK OF ARBUCKLE DEVELOPMENT BY THE TIME THE WELL REACHED RTD OF 3770'.

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG

NO DRILL STEM TESTS WERE RAN ON THIS WELL










FORMATION TOPS COMPARISON

	ROBERTS # 1	A.E. ARPIN # 1
	NW SE NE SW	NE NE SW
	SEC.5-T9S-R20W	SEC.5-T9-R20W
	2131'GL 2139'KB	KB 2131'
<u>FORMATION</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>
Anhydrite	1660+ 479	+ 476
B-Anhydrite	1693+ 446	+ 442
Topeka	3134 - 995	- 996
Heebner Sh.	3341-1202	-1201
Toronto	3362-1223	-1223
LKC	3380-1241	-1241
BKC	3600-1461	-1461
Arbuckle	Not Reached	-1522
RTD	3770-1631	-1549

SUMMARY OF DAILY ACTIVITY

10-2-14	RU, spud 5:00PM, set 8 5/8" surface casing to 266' w/ 160 sxs common 2%gel 3%CC, plug down 9:45PM, WOC 8 hrs
10-3-14	445', drill plug at 5:45PM
10-4-14	2207', drilling
10-5-14	3045', drilling
10-6-14	3568', RTD 3770' @8:00AM, short trip, TOWB, logs
10-7-14	3770, finish logging, P&A,

ROCK TYPES

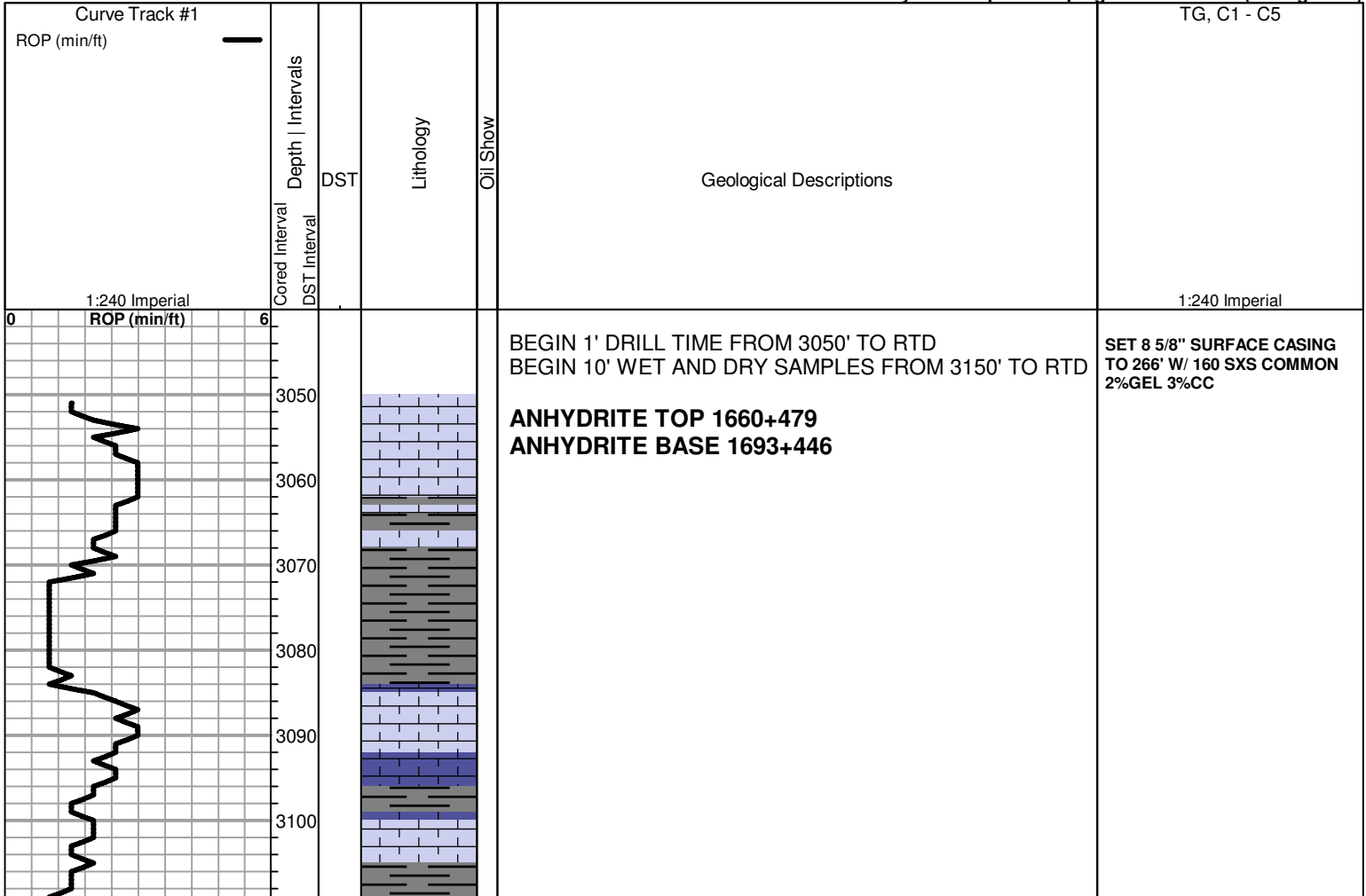
 Congl	 Lmst fw<7	 shale, grn	 Carbon Sh	 Shcol
 Chtcongl	 Lmst fw>7	 shale, gry	 shale, red	

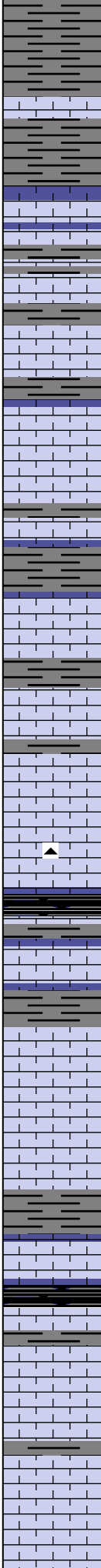
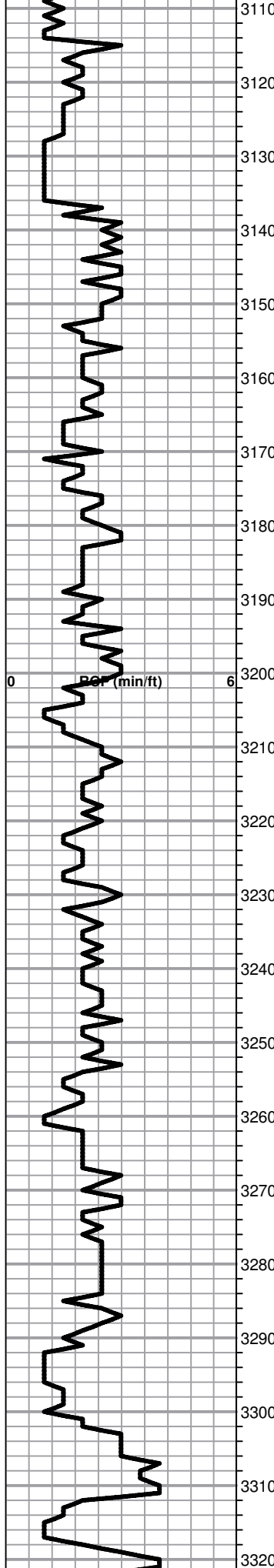
ACCESSORIES

MINERAL
▲ Chert, dark

OTHER SYMBOLS

Oil Show	DST
● Good Show	■ DST Int
● Fair Show	■ DST alt
● Poor Show	■ Core
○ Spotted or Trace	■ tail pipe
○ Questionable Stn	
D Dead Oil Stn	
■ Fluorescence	
* Gas	





Shale, med gray, soft blocky

TOPEKA ELOG 3134-995

Lime, lt-med gray, fnxln, fossiliferous in part

Lime, brn-lt grayish brn, fn-vfxln

Lime, gray, fnxln-granular, fossil fragments in part, NS

Lime, med brn-gray, fnxln-granular, fossil fragments in part

Lime, gray, fn-vfxln

Lime, lt-med grayish brn, fnxln, well cemented fossil beds

Lime, brn, fnxln-granular, slight bedded chalk

Lime, lt-med brn, fnxln-granular, NS

Lime, crm-tan, fnxln, thin cemented fossil beds, NS

Lime, crm-tan, fnxln-granular, increasing chalky matrix

Shale, black carbonaceous, blocky

Lime, crm, granular, chalky with sticky clumps

Lime, granular, fossiliferous beds but well cemented

Lime, crm, fnxln-granular, slightly fossiliferous

Lime, lt-med brn, fnxln-microxln in part

Shale, black carbonaceous, fissile, blocky

Lime, lt-med brn, fn-micro xln

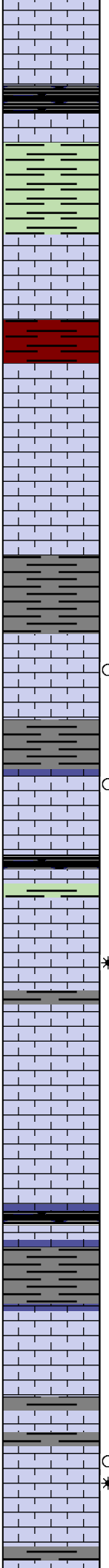
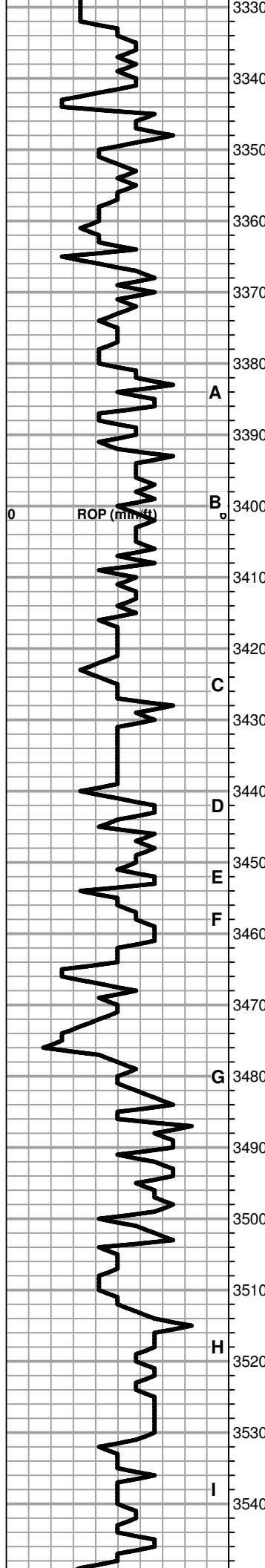
Lime, lt brn, granular, NS

Lime, lt brn-lt grayish brn, fn-micro xln

Lime, lt brn-lt gray, fn-micro xln

Lime, crm-tan, granular, NS

Lime, lt brn, fn-vfxln



Lime, lt brn-lt gray, fnxln-granular

HEEBNER SHALE ELOG 3341-1202

Shale, black carbonaceous, fissile, blocky
Lime, med brn, vfxln

Shale, lt gray-lime green, soft sticky clumping

TORONTO ELOG 3362-1223

Lime, crm, fn-vfxln, NS

Shale, red, soft blocky

LKC ELOG 3380-1241

Lime, crm-lt brn, fn-micro xln

Lime, crm, fn-micro xln, bedded chalk in part

Lime, crm, fn-micro xln, bedded chalk

Shale, med-dark gray, soft blocky

Lime, white-crm, fnxln

Lime, white-crm, fnxln-granular in part, fossil fragments, lt odor

Lime, lt brn-lt grayish brn, fnxln-granular in part, very lt odor

Lime, crm-off white, fn-vfxln

Shale, black carbonaceous, blocky

Lime, lt brn-lt grayish brn, fnxln, NS

* Lime, lt brn-lt grayish brn, fnxln-oomoldic in part, lt-fair odor

Lime, crm-lt brn, fnxln-oomoldic in part, NS

Lime, crm-lt brn, fn-micro xln

Lime, crm-lt brn, fn-micro xln

Shale, gray-black carbonaceous, blocky

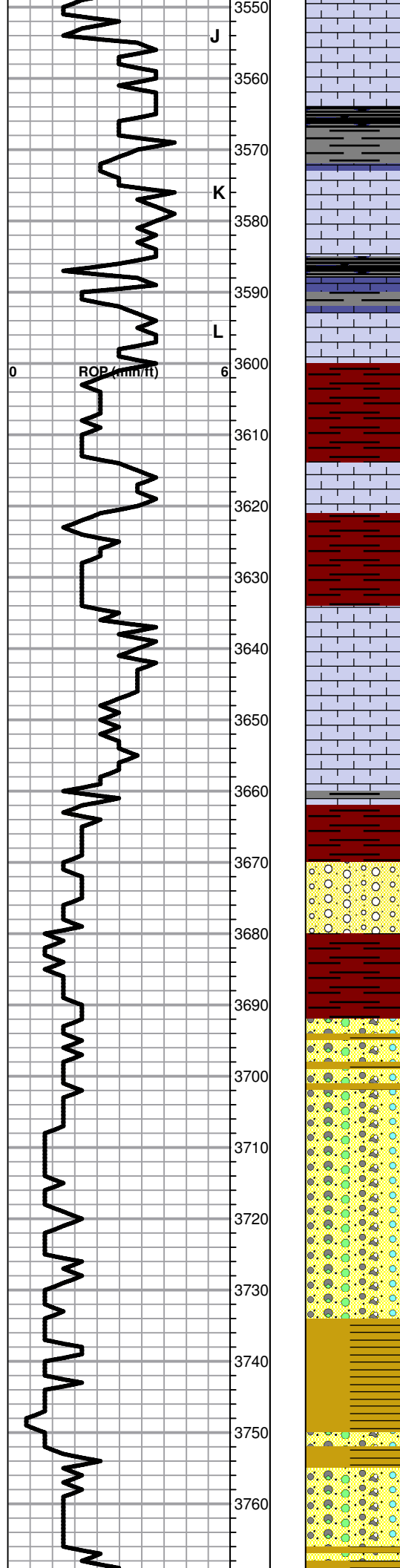
Lime, crm, fn-micro xln in part, NS

Lime, crm-tan, fn-micro xln

Lime, crm, fn-vfxln, lithographic,

* Lime, med brn, fn-vfxln, lt spotty stain, fair odor

Lime, lt med brn, fnxln granular, fossil fragments in fnxln



Lime, lt-med brn, mxin-granular, fossil fragments in mxin matrix, NS

Lime, lt-med brn, fn-vfxln , slightly fossiliferous

Shale, gray-black carbonaceous

Lime, lt brn, fn-micro xln

Lime, lt brn-lt grayish brn.,, fn-micro xln

Shale, gray-black carbonaceous, blocky

Lime, white-crm, fn-vfxln

BKC ELOG 3600-1461

Shale, red, soft to firm blocky

Lime, crm-tan, fn-vfxln

Shale, red, soft sticky

Lime, crm, fn-vfxln, chalky

Lime, crm, fn-vfxln, chalky

Lime, crm, fn-vfxln, chalky

Shale, red, soft blocky

Shale and cherts, vari color

Shale, vari color, soft blocky

Shales and cherts vari color

Shales and cherts vari color

Shales and cherts vari color

Shales and cherts vari color

Shales, vari color

Shales and cherts vari color

ARBUCKLE NOT FOUND

3770

RID 3770-1631 LTD 3771-1632



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 146137
Invoice Date: Oct 2, 2014
Page: 1

Federal Tax I.D.#: 20-8651475

Bill To:
Denis Roberts Oil 3904 Fairway DR P. O. Box 1252 Hays, KS 67601

Surface

Customer ID	Field Ticket #	Payment Terms	
Robe	55510	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Oct 2, 2014	11/1/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Roberts #1		
160.00	CEMENT MATERIALS	Class A Common	17.90	2,864.00
302.00	CEMENT MATERIALS	Gel	0.50	151.00
453.00	CEMENT MATERIALS	Chloride	1.10	498.30
38.00	CEMENT MATERIALS	Flo Seal	2.97	112.86
160.00	CEMENT SERVICE	Cubic Feet Charge	2.48	396.80
264.25	CEMENT SERVICE	Ton Mileage Charge	2.75	726.69
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
35.00	CEMENT SERVICE	Pump Truck Mileage	7.70	269.50
35.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	154.00
1.00	CEMENT SERVICE	Tony Pfannenstiel		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Tracy Jordan		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,671.35

ONLY IF PAID ON OR BEFORE
Nov 1, 2014

Subtotal	6,685.40
Sales Tax	223.01
Total Invoice Amount	6,908.41
Payment/Credit Applied	
TOTAL	6,908.41

- 1473.35
5235.06

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Plugging

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

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

No. 762

Date	10-7-14	Sec.	5	Twp.	9	Range	20	County	ROCKS	State	KS	On Location	3:00 AM	Finish	C. 5 AM				
Lease								Location		Owner									
"Roberts"								palco 2W		L-4-10									
Well No. 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.											
Contractor				Type Job				Charge To											
Discourby				Plugs				Dennis F. Roberts											
Hole Size				T.D.				Street											
7 7/4				3770															
Csg. Dill pipe				Depth				City				State							
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				2.53 60/40							
Meas Line				Displace				4% gel Yuflow											
EQUIPMENT								Common											
Pumptrk 26				Cementer				953											
No.				Helper				109											
Bulktrk 9				Driver				9											
No.				Driver															
Bulktrk 9				Driver															
No.				Driver															
JOB SERVICES & REMARKS								Hulls											
Remarks:								Salt											
Rat Hole				30 SKS				Flowseal				63# 56#							
Mouse Hole				15 SKS				Kol-Seal											
Centralizers								Mud CLR 48											
Baskets								CFL-117 or CD110 CAF 38											
D/V or Port Collar								Sand											
1st				1680ft				50 SKS				Handling 264							
2nd								875ft								100 SKS			
3rd								300ft								50 SKS			
4th								40ft								10 SKS			
LATCH DOWN								Wood Plug											
Pumptrk Charge								plug											
Mileage								43											
Signature								C. Marshall											
Tax																			
Discount																			
Total Charge																			