



KANSAS CORPORATION COMMISSION 1124144
OIL & GAS CONSERVATION DIVISION

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 # _____

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



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

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

INSTRUCTIONS: Show important tops 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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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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CLIFF OTTAWAY

P.O. BOX 494 * HAYS, KS 67601 * 785-628-6900

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>KING OIL OPERATIONS</u> LEASE <u>LANDAUER No 1</u> FIELD _____ LOCATION <u>620' FNL 1775' FNL</u> SEC <u>30</u> TWSP <u>12s</u> RGE <u>20w</u> COUNTY <u>ELLIS</u> STATE <u>KANSAS</u>	ELEVATIONS KB <u>2222'</u> DF <u>2220'</u> GL <u>2217'</u> Measurements Are All From <u>K.B.</u>
CONTRACTOR <u>SHIELDS Drg #2</u> SPUD <u>9-14-12</u> COMP _____ RTD <u>3943</u> LTD <u>3945</u> MUD UP <u>3100'</u> TYPE MUD <u>CHEMICAL</u>	CASING SURFACE <u>8 7/8 @ 217' w/ 150'</u> PRODUCTION <u>5 7/8 @ 3938' w/ 14'</u> ELECTRICAL SURVEYS <u>DIL + CDNL</u>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION		
				A	B	C
ANHYDRITE	1587	1580	+642	+638	+645	
TOPEKA	3244	3247	-1025	-1025	-1023	
HEEBNER	3476	3477	-1255	-1258	-1258	
TORONTO	3496	3498	-1276	-1278	-1278	
LANSING	3512	3515	-1293	-1294	-1295	
BASE-K.C.	3768	3768	-1546	-1536	-1545	
WARMATON	3812	3814	-1592	-1587	-1593	
CONGLOMERATE				1632		
ARBUCKLE	3920	3918	-1696		-1679	
RTD	3943	3943	-1721	-1710	-1710	
LT.D.		3945	-1723			

REFERENCE WELLS FOR STRUCTURE

- | | | | |
|---|------------------|---------------|--------------------------|
| A | A. SCOTT RITCHIE | LANDAUER No 1 | 150' N NW SE NW 30-12-20 |
| B | FLWING & WOODMAN | LANDAUER No 1 | NW-NW-NW 30-12-20 |
| C | | | |

REMARKS BASE ON DST SAMPLES AND LOGS, IT WAS RECOMMENDED
 AND CONFIRMED TO SET PIPE AND FURTHER TEST THIS
 WELL.

Respectfully Submitted
 [Signature]

RECOMMENDATIONS AND REMARKS

FORMATION	PERFORATE INTERVAL	LOG ANALYSIS		TREATMENT & REMARKS
		% POR	% SW	
WARMATHON	3824-30			
LANSING - KC "A"	3725-29			
"A"	3516-20			
TORONTO	3498-3502			
THE TOPEKA SHOULD BE TRIED BEFORE Plugging	3440-44			
	3274-80			

7503

LOG 7703

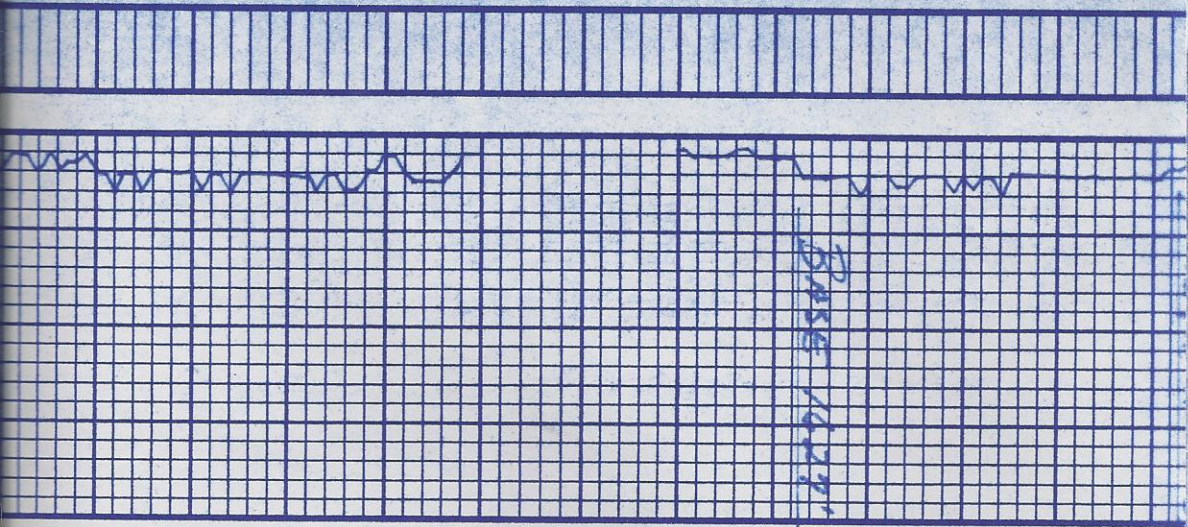
LEGEND

-  Anhydrite
-  Salt
-  Sandstone
-  Shale
-  Carb sh
-  Limestone
-  Ool. Lime
-  Chert
-  Dolomite

SCALE " = 100'

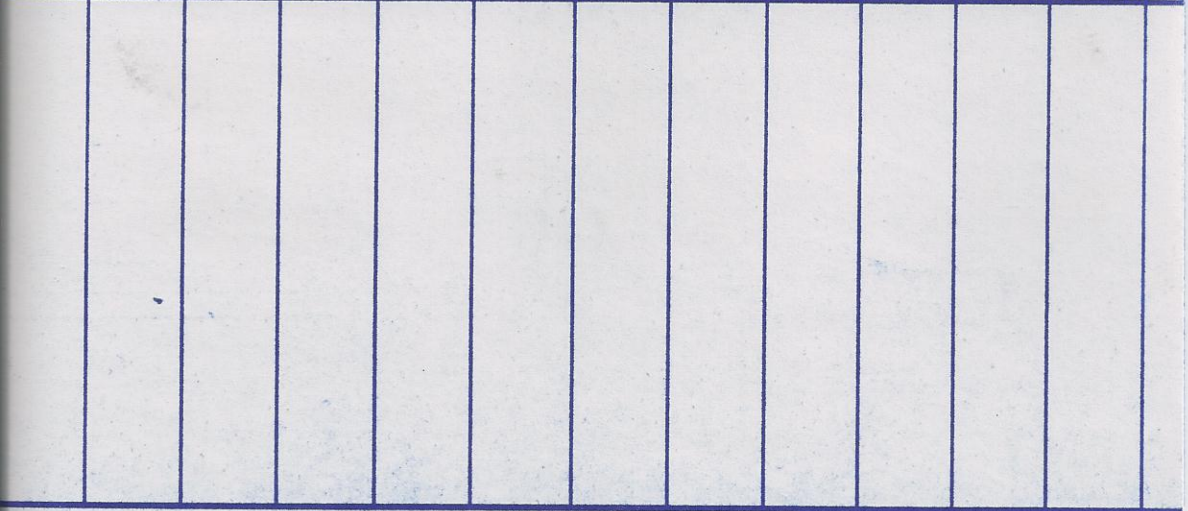
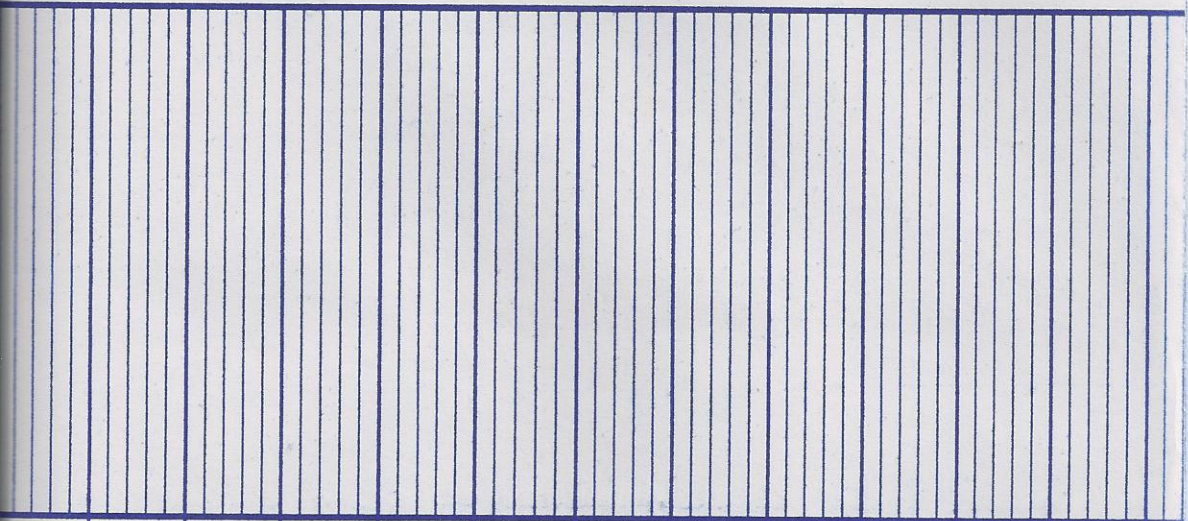
Uthology	Drilling time in minutes	DEPTH	Sample Description	Remarks, drill stem tests, etc.

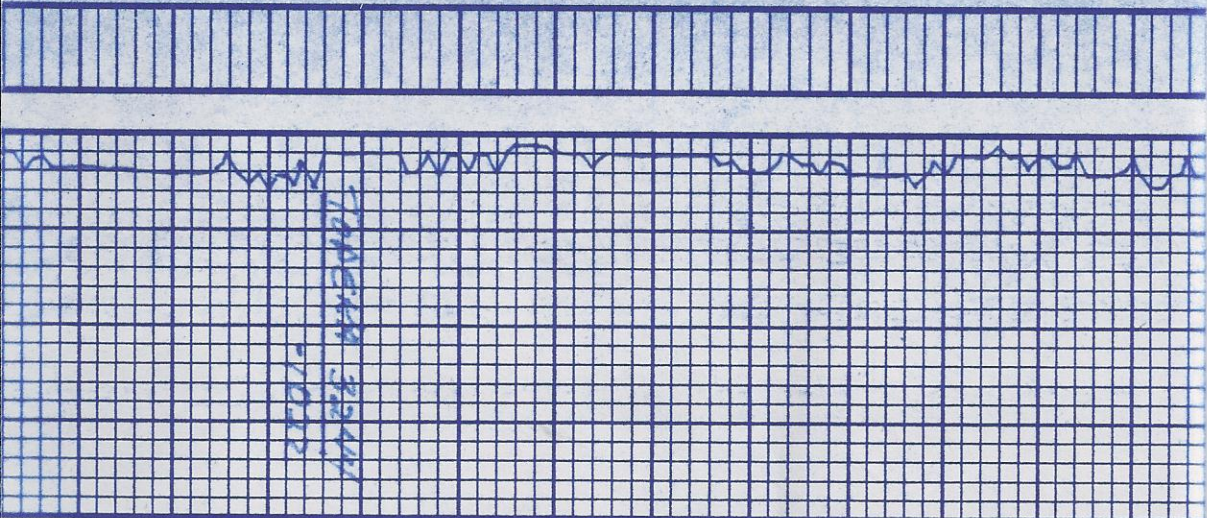
ANAVARIE 1587'



3100

1600





50

3200

45 TAN-GRY EXIN FOSS	N/S
RED-BRN SH.	
45 GRY-TAN EXIN FOSS	
CHALKY	N/S
BRN-GRY SH.	
45 BRN-GRY F-WXIN	
WRALY-CHALKY	N/S
45 TAN-F-WXIN FOSS	

3400

US 50
M 11 18

50

3300

7-10-45 ST. PETERS

INTER-PPV

RED. BEN. 54.

45 TAN-GRY BEN Foss

N.S.

45 TAN-GRY. EXIN Foss

SL. CHALKY

N.S.

45 TAN-11 GRY Foss. EXIN

SL CHALKY - WEAKY

N.S.

A.A.

45 Green-GRY. F-MIXIN Foss.

N.S.

45. TAN- F-MIXIN Foss.

BOILC. SURROSE N.S.

A.A. MERRY N.S.

TRANSVERSE WIDENING
BASE 1890

3500

50

NEEDS BRILL

ADDSY

AS TAN-BUFF. F-WXIN
DENSE N/S.
BRN. GR. ST.

Bit (red) sh.

GR-BRN. %.

AS wh. buff. F-WXIN
st. chalky - F-FD ST.
VET. DDD TAUBERX-PPDQ

sh. GR. BRN

AS wh. TAN. F-WXIN Foss

F-FD ST. P. DED
INTER. 0

DST No 1 3494-3564

AS TAN-BUFF. F-WXIN
Foss. Chalky N/S.

BRN. GR. SH.

ADD.

AS BUFF. F-WXIN Foss
Chalky - F-WXIN N/S.

AS TAN-F-WXIN. Foss. SERRASID
F-FD ST. VET. DED PPDQ



50

3600

50

23 JAN 1968
91-019

Grey - Bear sk.

K3 Wk. Offwd. EXIN Foss
T-FO W ST VFL. OED
JANTEX - PVD

Red - Bear Grey - sk.

K3 JAN-Grey EXIN Foss.
SI. Chalky ACS

K3 Wk. Offwd. EXIN Foss.
SI Chalky

K3 Offwd. JAN EXIN Foss
T-SI. No FO JANTEX

K3 TANK F-MIX Foss
T-TARKEY-Asphaltic VET 000
JANTEX-PPVD No FO
SI. 019.

A.B.

A.A.

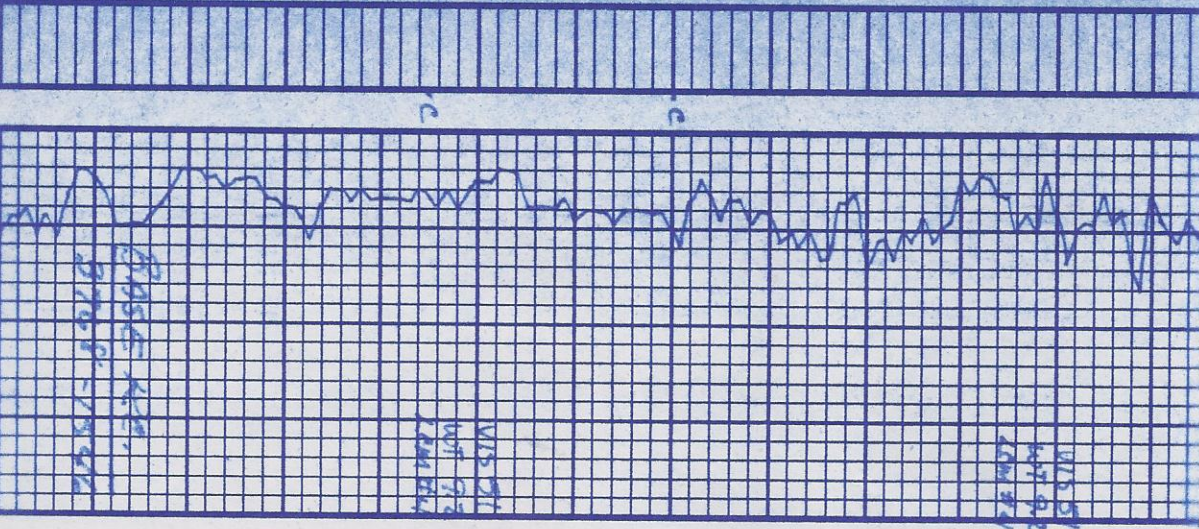
Grey - Bear sk.

DST No 1
45-30-45-30

REC: 317 G.I.P.
60' WCO 6090011

60' G MCO 10700G
2590011 6590011
4090011

IF: 15-44
FF: 47-65
ISIP: 515
FSIP: 483



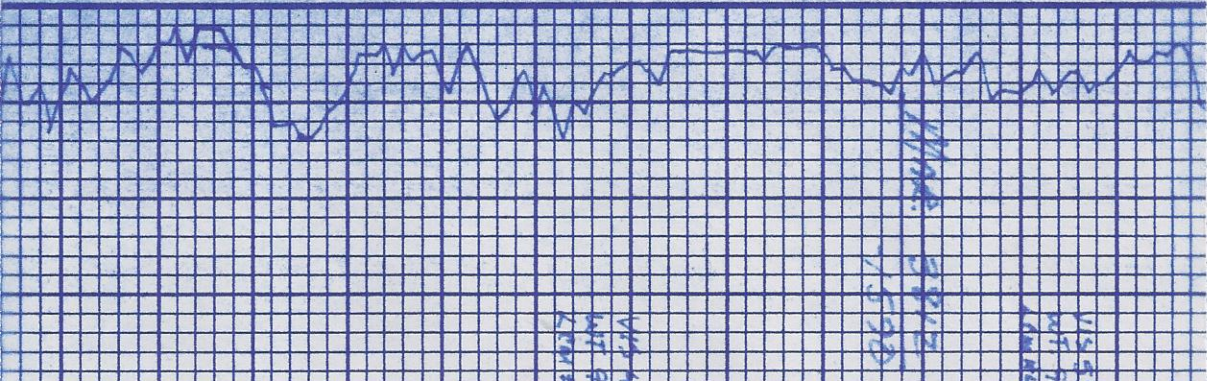
3700

50

1-17 ST JAMES ST
 ST. CHARITY
 AS OTHER: REM EXIN FASS
 ST CHARITY: 1 DR PROBABLY ST
 JAMES ST
 GREY - BEAN SK.
 AS OTHER: 17 GUY EXIN
 FASS: ST CHARITY 7-17 ST
 FO JAMES ST
 GREY TAN SON SK.
 AS OTHER: TAN F-WIN
 FASS: 1-FO 7 ST F-UEB
 JAMES - PPOV
 GREY - BEAN SK.
 13 TAN - GREY - EXIN FASS
 ST CHARITY -
 RED. BEAN - GREY SK.

DST. No 2 3690-3735

DST No 2
 30-30-20-30
 REC: 5 0/1 spt. Mud
 IF: 16-19
 FF: 19-21
 FSI: 521
 FSI: 484



USGS
MT 712
ADAM 112

3800

1/15/98
1/5/98

USGS
MT 713
KIMM 114

50

3900

US wk-Oreok Pass. St. Ab.
Chalky-Town. N.S.

Real Fed. St.

US wk-Oreok Pass. St. Ab.

AS TAN. EXIN. SANDSIC
7-10 4 SAT ST ET-OKS

JURER. PPOB.

VARIMOR ABY

H.H.

REN-SEY. SK.

XS WK-OREK. EXIN.

UNERIOR OT.

FED-REN-SEY. SK. N.S.

HA

AS Oem-TAN. EXIN SANDSIC

Delahtic. UNERIOR OT.

REN-REN. SK. N.S.

A.B.

QUALITY WELL SERVICE, INC.

5688

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

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

Date	9-15-12	Sec.	30	Twp.	12	Range	20	County	Ellis	State	KS	On Location		Finish	12:00-12:30pm
Lease	Landauer		Well No.	#1		Location									
Contractor						Sheild's #2									
Type Job						Surface									
Hole Size						12 1/4									
Csg.						8 5/8									
Tbg. Size															
Tool															
Cement Left in Csg.						15 ft									
Meas Line						Displace 13 bbl									
EQUIPMENT															
Pumptrk	No.	8	Cody		Common 150										
Bulktrk	No.	10	Wrate		Poz. Mix										
Bulktrk	No.				Gel. 3										
Pickup	No.				Calcium 5										
JOB SERVICES & REMARKS												Hulls			
Rat Hole												Salt			
Mouse Hole												Flowseal			
Centralizers												Kol-Seal			
Baskets												Mud CLR 48			
D/V or Port Collar												CFL-117 or CD110 CAF 38			
Ran 5 JTS of 8 5/8 casing and landing J+												Sand Handling 158			
												Mileage 20			
Est Circulation with mud pump												FLOAT EQUIPMENT			
Hooked up and mixed 150 sy and shut down - released plug and disp 13 bbl of H2O - shut in @ 300psi!!												Guide Shoe			
												Centralizer			
												Baskets			
												AFU Inserts			
												Float Shoe			
												Latch Down			
Cement Did Circulate!!															
												Pumptrk Charge Surface			
Thank You!!												Mileage 20			
Signature												Tax			
												Discount			
												Total Charge			

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

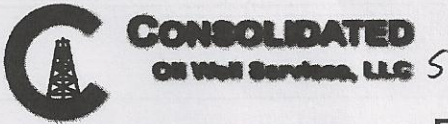
Phone 785-483-2025
Cell 785-324-1041

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

No. 6134

Date	10-29-12	Sec.	Twp.	Range	County	State	On Location	Finish
					Ellis	KS		10:45 A.M.
Lease					Location			
Lawdaer					Ellis v to 1st Curve 1/2w S into			
Contractor					Owner			
Western Well					To Quality Oilwell Cementing, Inc.			
Type Job					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					Charge To			
7 7/8					Rodney King King Oil			
Csg.					Street			
5 1/2								
Tbg. Size					City			
2 7/8					State			
Tool					The above was done to satisfaction and supervision of owner agent or contractor.			
Port Collar Dan Parker					Cement Amount Ordered			
Depth 1582					250 Qmcc 1/4 #10			
Cement Left in Csg.					Shoe Joint			
Meas Line					Displace			
784					175ED 200SK 2 sand			
EQUIPMENT					Common			
Pumptrk					200			
No. 16					Cement			
Cementer					Cmg			
Helper					Poz. Mix			
No. Driver					Gel.			
Bulktrk					Calcium			
No. Driver					Hulls			
Bulktrk					Salt			
No. Driver					Flowseal			
Driver					62#			
Driver					Kol-Seal			
Driver					Mud CLR 48			
Driver					CFL-117 or CD110 CAF 38			
Driver					Sand			
Driver					2			
Driver					Handling			
Driver					250			
Driver					Mileage			
Driver					FLOAT EQUIPMENT			
Driver					Guide Shoe			
Driver					Centralizer			
Driver					Baskets			
Driver					AFU Inserts			
Driver					Float Shoe			
Driver					Latch Down			
Driver					Pumptrk Charge			
Driver					port Collar			
Driver					Mileage			
Driver					21			
Driver					Tax			
Driver					Discount			
Driver					Total Charge			
Driver					Signature			

Plug 3006 - Tool @ 1582 gpm
~~5/8" port collar~~
 5/8" sand 1250 full to 1582 gpm
 High Mix 200SK 1/4 Displace. Cement
 Created. Close Tool Pressure to
 port. Run 5 joints + wash clean.
 Run tubing to Plug + wash sand @



TICKET NUMBER 37174
 LOCATION Oakley, KS
 FOREMAN Kelly Gabe

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
9-22-12	4562	Londauer #1	30	125	20 ⁰⁰	Ellis																
CUSTOMER			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>456</td> <td>Jerry Q</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Miles S</td> <td></td> <td></td> </tr> <tr> <td>528</td> <td>MIKE M</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	456	Jerry Q				Miles S			528	MIKE M		
TRUCK #	DRIVER	TRUCK #	DRIVER																			
456	Jerry Q																					
	Miles S																					
528	MIKE M																					
MAILING ADDRESS			Ellis N to first curve 1 1/2 W S into																			
CITY			STATE																			
ZIP CODE			RATE																			
9-22-12	4562	Londauer #1	30	125	20 ⁰⁰	Ellis																

JOB TYPE Prod-O HOLE SIZE 7 7/8 HOLE DEPTH 3943 CASING SIZE & WEIGHT 5 1/2 - 14th
 CASING DEPTH 3941 DRILL PIPE _____ TUBING PC TOP 58 OTHER PC @ 1582'
 SLURRY WEIGHT 14² SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 16.8 @ 5 1/2 DISPLACEMENT PSI _____ MIX PSI _____

REMARKS: Safety meeting, ran float equip. on IT #5 cent, 1, 4, 6, 8, 10, 58 baskets #13, 59 pc top #58 ran pipe to bottom, circulated for 30 min ran mud flush, mixed 30 SKS COM 10% salt 2% gel in RH, 20 SKS MH, mixed 160 SKS down center, washed out truck, released Plug, pumped 10 bbl KCL, & 84 bbl water with 600# Lift, Plug landed @ 1160', released pressure, float held, washed out pump lines rigged down.

*Thank You
 Kelly & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2700 ⁰⁰	2700 ⁰⁰
5406	40	MILEAGE	5 ⁰⁰	200 ⁰⁰
1104S	210 SKS	Class A cement	1765	3706 ⁵⁰
1111	1004 #	salt	.43	451 ⁸⁰
1118B	395 #	Bentonite	.25	98 ⁷⁵
5407A	9.87 ton	Ton Mileage delivery	167	659 ⁶⁰
4203	1	5 1/2 Guide shoe (w)	193 ⁰⁰	193 ⁰⁰
4130	6	5 1/2 centralizer (w)	58 ⁰⁰	348 ⁰⁰
4104	2	5 1/2 basket (w)	276 ⁰⁰	552 ⁰⁰
4228B	1	5 1/2 AF4 Insert (I)	206 ⁰⁰	206 ⁰⁰
4285	1	5 1/2 Portcollar (I)	2075 ⁰⁰	2075 ⁰⁰
1144 @	500 gal	Mud flush	1 ⁰⁰	500 ⁰⁰
1215	1 gal	KCL	35 ⁷⁰	35 ⁷⁰
				11,726 ³⁵
				11,726 ⁶⁴
				10,553 ⁷⁷
			SALES TAX	460.81
			ESTIMATED TOTAL	11014.59

Completed

Ravin 3737
 AUTHORIZATION 2:00AM TITLE _____ DATE 9-22-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

253095