



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1154242
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
-----------------------------------	-----------------	---

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: _____



1154242

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
--	---

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
--	---	---

GEOLOGIST'S REPORT

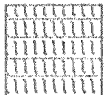
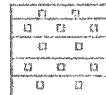
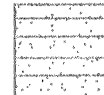

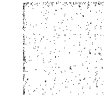
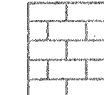
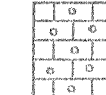
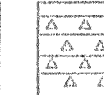

DRILLING TIME AND SAMPLE LOG

COMPANY	Range Oil Company, Inc		ELEVATIONS	
LEASE	Babinger #2		KB	1294'
FIELD			DF	
LOCATION	386' FNL + 330' EEL, NE/4		GL	1284'
SEC	26	TWSP 215 RGE 10E	Measurements Are All From KB	
COUNTY	Lyons	STATE KS	CASING SURFACE 8 5/8" @ 227'	
CONTRACTOR	Summit Drilling Co. Rig #1		ELECTRICAL SURVEYS	
SPUD	6/10/13	COMP 6/19/13	DI, Δ For, MicroR	
RTD	2670'	LTD 2669'		
MUD UP	1000'	TYPE MUD Chem		
SAMPLES SAVED FROM	1106'	TO	RTD	
DRILLING TIME KEPT FROM	1000'	TO	RTD	
SAMPLES EXAMINED FROM	1100'	TO	RTD	
GEOLOGICAL SUPERVISION FROM	1250'	TO	RTD	
GEOLOGIST ON WELL	Ken Wallace			

REMARKS: Ran two negative DST's - Plugged & abandoned
Ken Wallace

6/10/13 MIRT
 6/11/13 Drlg @ 159'
 6/12/13 Drlg @ 445', 3/4" @ 232'
 6/13/13 Drlg @ 1203', 3/4" @ 700', 1/2" @ 1200'
 6/14/13 Drlg @ 1734', 1/2" @ 1703'
 6/15/13 Drlg @ 2238', 3/4" @ 2176'
 6/16/13 PTD @ 2500', Make bit trip/short trip
 6/17/13 PTD @ 2627', Running DST #1
 6/18/13 RTD @ 2670', Ran DST #2
 6/19/13 RTD 2670', Running E-logs

LEGEND

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

SCALE " = 100'

DEPTH	DST's	DRILLING TIME - Minutes Per Foot Rate of Penetration Decreases	SAMPLE DESCRIPTIONS	REMARKS
-------	-------	---	---------------------	---------

1000

20

40

60

80

1100

20

40

60

80

1200



"Bit baled up"
vis 42, wt 9.0, LCM 5#

sh, gy; ss, lt gy, micac,
lamina, NS

slst, gy & sh gy w/ ss AA

ss, wh - lt gy, fngrd, fsort,
subrd, NS, NO, NF

sh, gy & slst gy, micac

sh, gy

Lansing 1170'
(+124)

ls, wh-buff, sl foss, mxln,
cky, NS, NO, NF

ls, lt gy, mxln, sl ool, foss,
tr pyr., NS, NO, NF

ls, brw, cxln, foss, brwn
specs, NS, NO, NF

sh, gy

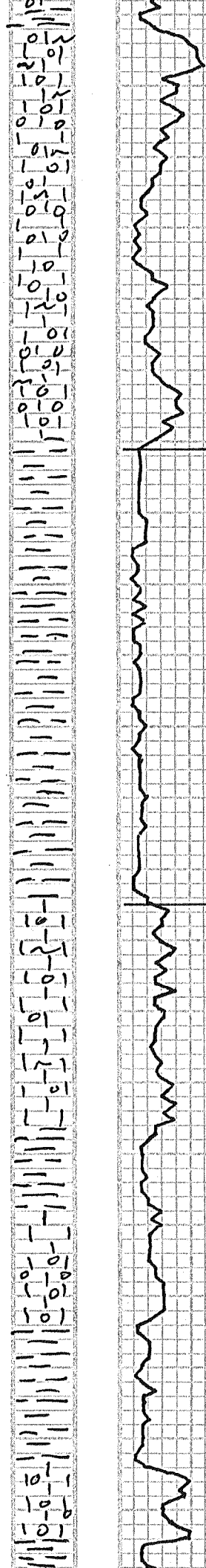
ls, wh-buff, sl ool, fvgd,
lt gy, NS, NO, NF

vis 39, wt. 9.2, LCM 4 1/2#

vis 37, wt 9.3, LCM 4 1/2#

adjust clock

20
40
60
80
1300
20
40
60
80
1400
20



B/Lansing ^{128'}
(-8)

Kansas City ^{1345'}
(-51)

cky, NS, NO, NE, fr oolc, q,
Ls, AA, ool, foss, qd oolc q
& I G, NS, NO, NE
Ls, tan-gy, ool, foss,
gd vq, mxln, sl cky
NS, NO, NE

Ls, md gy, ool, foss, fr vq,
NS, NO, NE

sh, dkgy, sm ltrn

sh, gy

AA, sl pyr

Ls, buff-tan, sl ool, foss,
ca veins, mxln, NS, NO, NE

Ls, gy-tan, sm gy l tan
lamina, f-mxln, sl d se,
sl foss/ool, cky, fr vq
I G, NS, NO, NE

sh, gy
Ls, m-dkgy, argl, NS

Ls, tan-gy, v foss, ool,
mxln, NS, NO, NE

sh, dkgy, foss

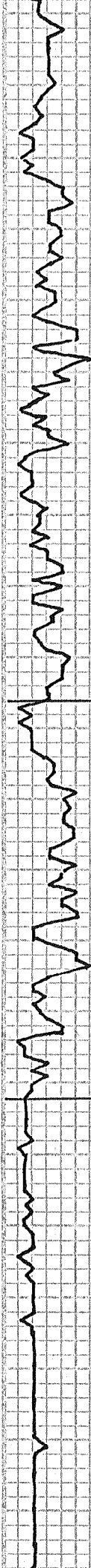
Ls, gy-tan, ool, gd I G, q,
mxln, foss, NS, NO, NE

VIS 36, wt 9.3, LCM 5 #

Jet #1

VIS 39, wt 9.2, LCM 6 #

40
60
80
1500
20
40
60
80
1600
20
40



Ls, gy, sl ool, cky, NS

VIS 41, wt 9.3, LCM 6#

Sh, gy, sm lt grn

VIS 40, wt 9.4, LCM 5 1/2#

Ls, buff, foss, sl ool, tr
ool ϕ , sl dty, dse, cky
NS, NO, NF

Ls, tan-buff, foss, mxln,
NS, NO, NF

Ls, tan, ool, gd ool ϕ ,
v foss,

Ls, buff, ool, (w/ grd oolts)
foss, sl dty, NS, NO, NF

stark 1536'
(-242)

Ls, mgy, ool, foss, mxln
NS, NO, NF

Sh, bl

Ls, ltgy-tan, sl ool, foss, sl d,
tr glauc, cky, NS, NO, NF

Ls, tan, ool, foss, cky, NS
NO, NF

Ls, tan-mgy, cxtn, sl-foss,
cky, NS, NF, Fodor

Jet #3

B/Kansas City 1592'
(-298)

Ls, tan, crly, cky NS

Sh, gy - lt grn

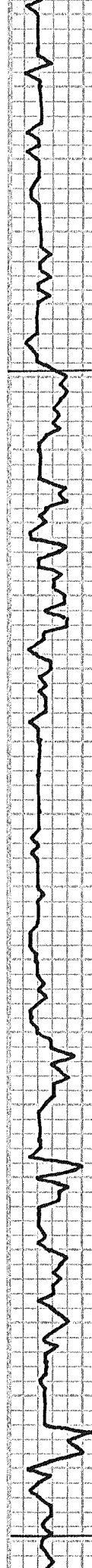
slst, lt gy - lt grn

SS, gy, w/ grd, argl, fsorted,
frnd, w/ bl partings, NS

SS, AA w/ ltgy - lt grn
sh

VIS 4A, wt 9.3, LCM 4#

60
80
1700
20
40
60
80
1800
20
40
60



Altamont 1709'
(-415)

Cherokee 1869'
(-575)

sh, gy - mgy

vis 40, wt 9.3, LCM 4 1/2 #

sh, bl

vis 41, wt 9.3, LCM 3 #

Ls, tan, fxl n, dse, sl
foss, NS, NO, NF

sh, grn, gy, sm brwn

Ls, tan, sl foss, fxl n - dse,
cky, NS, NO, NF

sh, bl

SS, lt gy, v fgrd, well cement,
ca cement, NS, NO, NF

sh, gy sm slst, lt gy

SS, lt gy, v fgrd, well cement,
sm pyr specs, NS

SS, gy, fn grd, friable,
p sorted, frnd, ca, S&P
tex, NS, NO, NF

Ls, lt gy - tan, m xln, dse,
NS, NO, NF

sh, gy

Ls, brwn, ool, foss, c xln,
dty, ca veins, NS, NO, NF

sh, sl

Jet #2

Ls, dk brwn, argl, foss,
NS, NO, NF

Ls, lt grn - tan, fxl n, sl foss,
dse, NS, NO, NF

sh, gy, sm grn

Ls, tan - brwn, c xln, foss, NS

sh, bl

Ls, tan, ool, NS, NO, NF

vis 50, wt 9.2, LCM 3 #

sh, bl

Ls, gy - tan, sl foss, cky,

80
1900
20
40
60
80
2000
20
40
60
80



NS, NO, NF
sh, gy-grn, sm slst ltgy
slst, gy, micae and brwn
exln Ls; sm frgrd SS

sh, gy, grn, brwn

Ls, brwn, exln, NS

sh, gy-dk gy

sm bl sh w pyr

Ls, brwn, exln, NS

Ls, mgy, dse-faln, NS
sh, bl

Ls, brwn, sm fan, exln,
sl fass, cky, NS, NO, NF

sh, gy
sh, bl w pyr
SS, gy, f-vgd, fsort,
frnd, pyr, NS, NO, NF

sh, bl
Ls, mdgy, exln, cky, NS,
arlg

sh, gy, bl
SS, gy, f-vgd, p sortd,
sub rnd, pyr, NS

mstly, sh, bl, grn, gy w
SSAA

sh, bl

mstly bl-dkgy sh w
SSAA

vis 51, wt 9.3, LCM 3#

vis 43, wt 9.3, LCM 3#

2100
20
40
60
80
2200
20
40
60
80
2300



sh, gy - dk gy

sh, gy, dk gy, bl

sh, gy - dk gy

Jet #2

⊙ CFS 2170'

AA

VIS 48, wt 9.3, LCM 4#

MISS 2196' (-902)

⊙ CFS 2195'

SS, ltgy - opag, m grd, psortd,
well cem (silica), hard, sm
friable, NS, NO, NF

⊙ CFS 2208'

Ls, tan, ool, fss, NS, NO, NF
sl dty
2208-15" Ls, AA, sl Δ (gy, ool Δ),
NS, NO, NF
30" AA

2195' 15" SS, AA
30" SS, dk gy m grd
silica cent; m-ltgy
Δ, sm blsh, NS

Dol, tan, v fgrd, trug φ, sl
foss, dty, NS, NO, NF

Ls, ltgy - tan, fixn, sl glaucos,
sl ool, dty, NS, NO, NF

AA

Ls, tan, sm ltgy, ool, foss,
pug φ, dty, NS, NO, NF

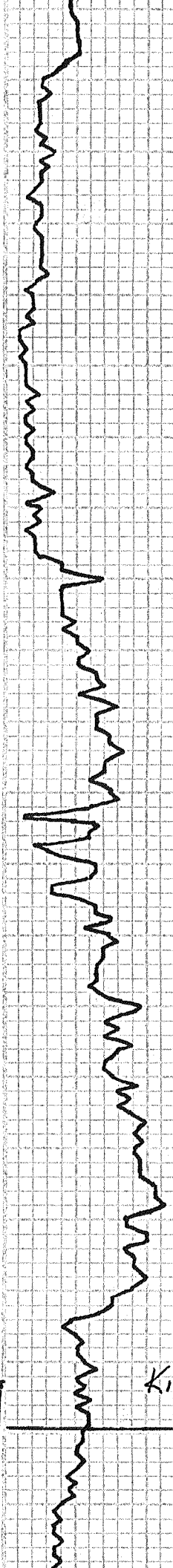
sh, sl

Dol, tan, fsuore, dty,
NS, NO, NF

VIS 39, wt 9.3, LCM 2#

Ls, brwn - dk brwn, m ool,

20
40
60
80
2400
20
40
60
80
2500
20



P.F.G.P., dead stn, Aty
(blu gy A), NS, NO, NF

Δ, uc (brwn, wh, blugy, owl), Jet #3
sm dol, tan-ltgy, f
sucro, cky, NS, NO, NF

Dol & Δ AA, sm brwn,
blugy & banded Δ, NS
NO, NF

mstly Δ & Dol AA

AA w increase in dol to Vis 46, wt 9.3, Lcm 3#
30%

Vis 39, wt 9.2, Lcm 3#

Dol, buff-tan, v/sucro,
less Δ (wh, blugy), NS,
NO, NF

Vis 39, wt 9.3, Lcm 3#
Jet #1

AA

Vis 45, wt 9.3, Lcm 2#

AA

Ls, ltgy, s'ool, sl foss, cxln,
cky, Aty, NS, NO, NF

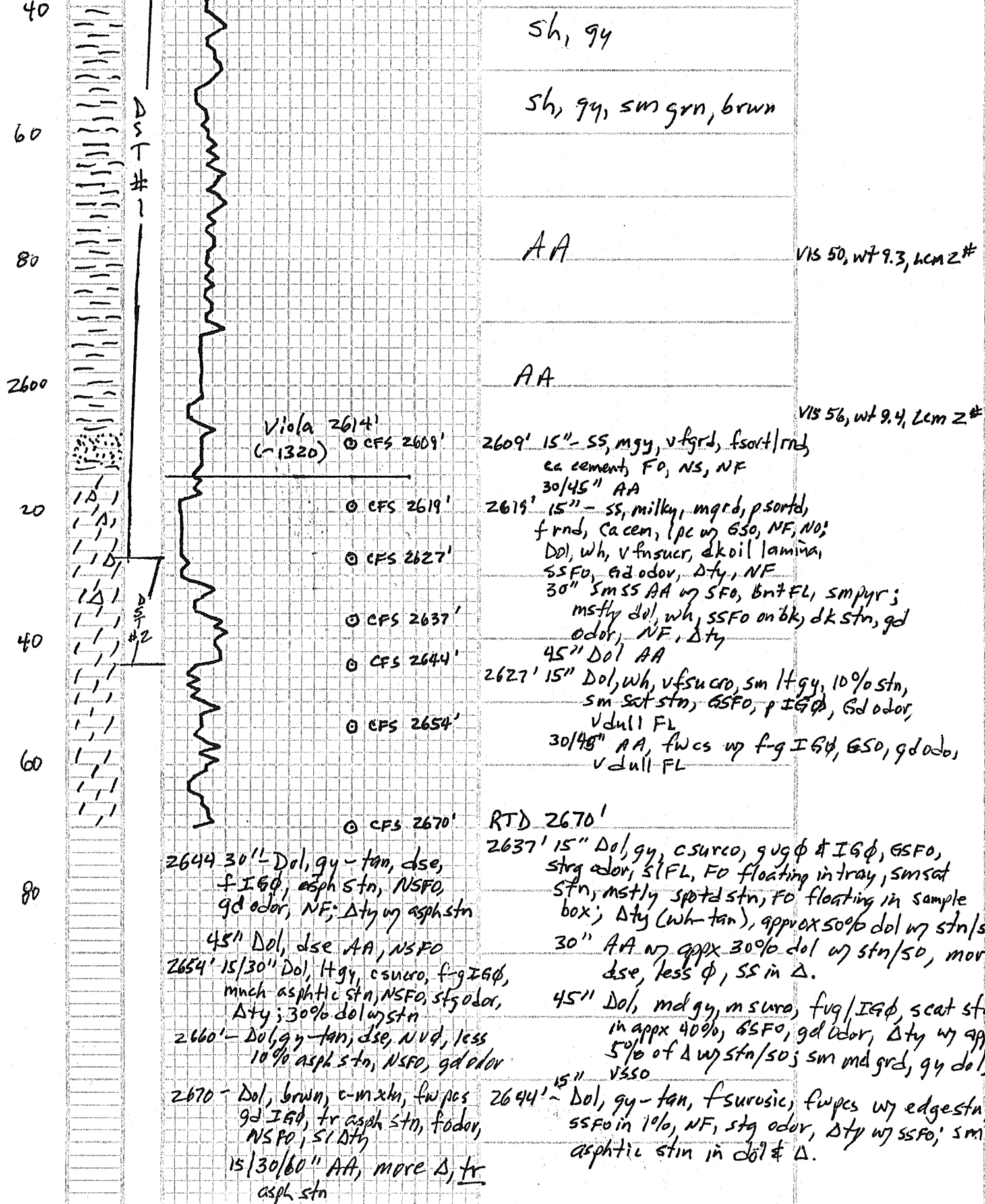
© CFS 2500'
Bit Trip @ 2500'

Kinderhook 2519'
(-1225)

AA

Sh, gy, dk gy, grn, much
LS/A

Vis 50, wt 9.3, Lcm 2#



Range Oil Company, Inc.

Babinger #2, Lyon County, KS

DST #1 2511 - 2627 (Viola)

30 - 30 - 60 - 60

IF - 1/2" blow built to 4 1/4" in 30 min. (NBB)

FF - WSB built to 4 1/2" in 60 min. (NBB)

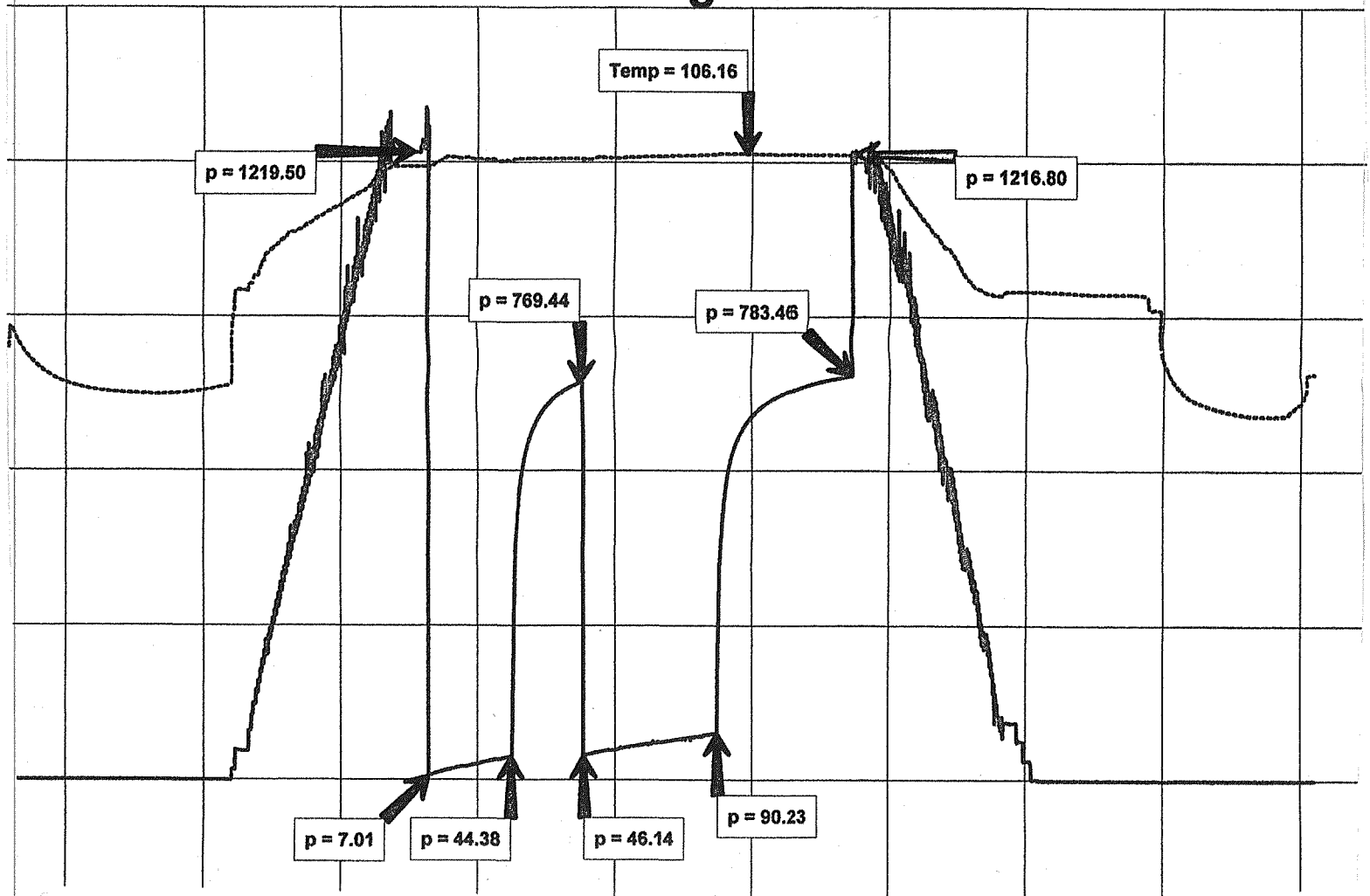
Recovered: 160 feet OSM (2% oil, 98% mud)

IF 7/44# - FF 46/90#

ISIP 769 # - FSIP 783#

Temp 106 deg F

Baabinger #2



Range Oil Company, Inc.

Babinger #2, Lyon County, KS

DST #2 2627- 2644 (Viola)

30 - 30 - 30 - 30

IF - 11" blow built to BB in 30 sec. (NBB)

FF - No Blow, No build (NBB)

Recovered:

294 feet OSHWCM (2% oil, 48% water, 50% mud)

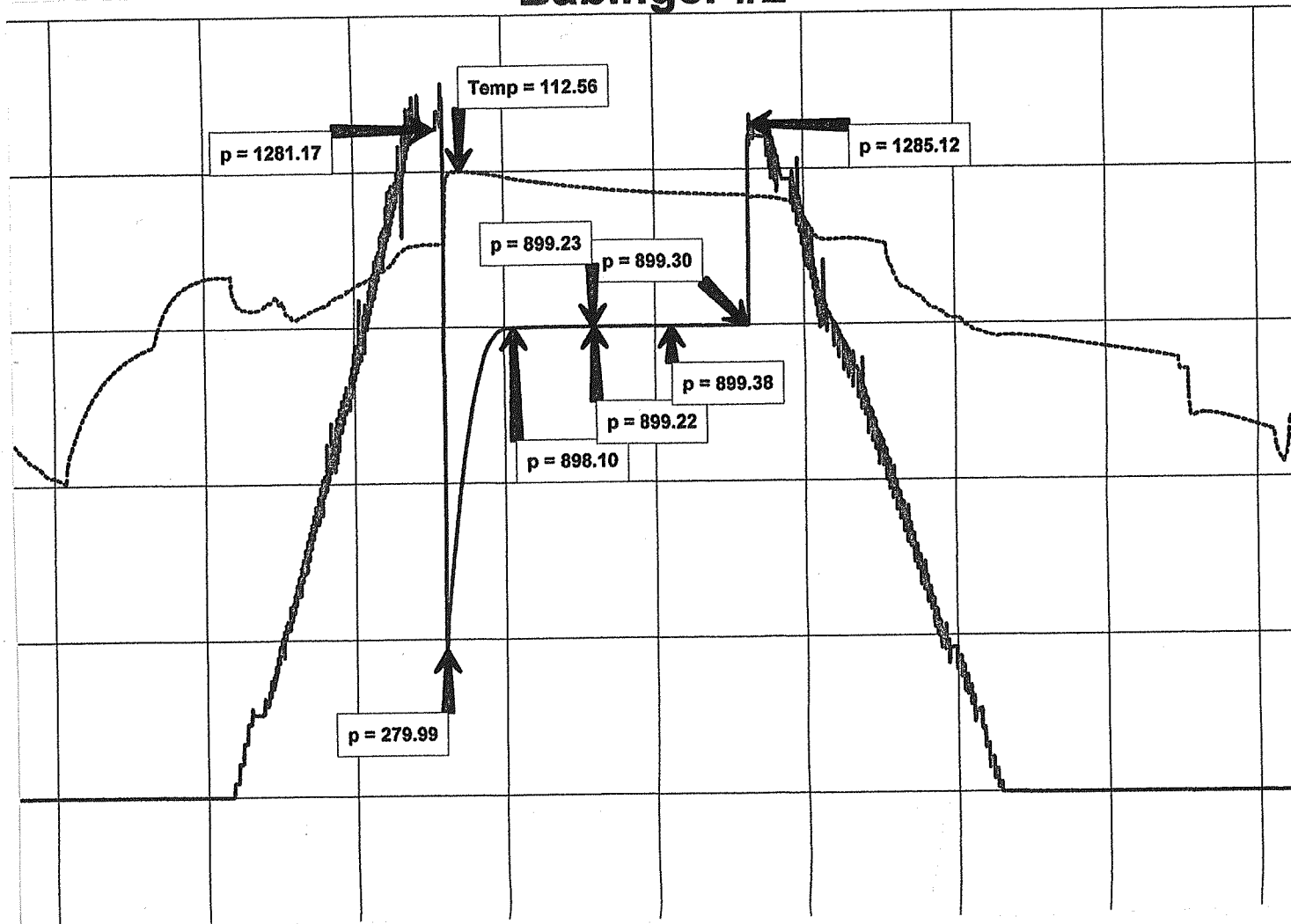
1705 feet SOSMCW (1% oil, 91% water, 8% mud)

IF 280/898# - FF 894/899#

ISIP 899# - FSIP 899#

Temp 113 deg F; RW 0.4 @ 73deg F; Chlorides 11,000 ppm

Babinger #2





CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 42943
LOCATION Enoka Ottawa
FOREMAN Steve Mead

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

FIELD TICKET & TREATMENT REPORT

CEMENT APT 15-117-20476

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-11-13	6943	Babinger #2	26	213	106	Lyon
CUSTOMER			TRUCK #			
Range Oil Company Inc			666			
MAILING ADDRESS			DRIVER			
9412 E Central			Gary Moore			
CITY			TRUCK #			
Wichita			503			
STATE			DRIVER			
KS			Dan Detwiler			
ZIP CODE			TRUCK #			
67278			Loaded in Ottawa Kamp.			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 232 CASING SIZE & WEIGHT 8 5/8 25#
 CASING DEPTH 230' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15'
 DISPLACEMENT 13 1/2 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting Rig up to 8 5/8 casing Break circulation w/ 5 bbls Fresh water mix 140 sks class cement w/ 3% Caelz, 2% Gel & 1/2" Flo-Celz per 1sk Displace with 13 1/2 bbls Fresh water. Shut well in. Good cement returns to surface. Job complete Rig down

Thank you

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	870.00	870.00
5406	30	MILEAGE	4.20	126.00
11045	140 sks	Class A Cement	15.70	2198.00
1102	395 ^{lb}	Caelz 3%	.78	308.10
111813	260 ^{lb}	Gel 2%	.22	57.20
1107	70 ^{lb}	Flo-Celz 1/2" per 1sk	2.47	172.90
5407	6.58 ton	Ton mileage Bulk Trucks	m/c	368.00
4432	1	8 5/8 Woodson Plug	84.00	84.00
4132	2	8 5/8 Centralizers	72.50	145.00
			Sub Total	4329.20
			SALES TAX 7.3%	216.40
			ESTIMATED TOTAL	4545.60

Ravin 3737

059534

AUTHORIZATION Dan G TITLE _____ DATE _____

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.



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 43002
LOCATION Eureka
FOREMAN Steve Mead

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

FIELD TICKET & TREATMENT REPORT

CEMENT APT 15-112-20476

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-18-13	6942	Bobinger #2	26	21S	10E	Leon
CUSTOMER			TRUCK #			
Ranger Oil Company Inc			DRIVER			
MAILING ADDRESS			TRUCK #			
9412 E Central			DRIVER			
CITY			STATE			
Wichita			KS			
STATE			ZIP CODE			
KS			67278			

JOB TYPE PTA 0 HOLE SIZE 7 7/8 HOLE DEPTH 2620' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4" TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting. Rig up 4" Drill pipe. Plug well as follows.

15 sks AT 2604'

15 sks AT 1320'

15 sks AT 800'

55 sks 150' to surface

Total 100 sks 60/40 port mix cement 4% Gel.

Job Complete Rig down

Thank You.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1085.00	1085.00
5406	30	MILEAGE	4.20	126.00
1131	100 sks	60/40 port mix cement	13.18	1318.00
1118B	340 #	Gel 4%	.22	74.80
5407	4.3 ton	Ton mileage Bulk Truck	mic	368.00
			Sub Total	2971.80
			SALES TAX 7.3%	101.67
			ESTIMATED TOTAL	3073.47

Ravin 3737

059151

AUTHORIZATION Dan Cox TITLE _____ DATE _____

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.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

August 06, 2013

John Washburn
Range Oil Company, Inc.
9412 E. CENTRAL
PO BOX 781775
WICHITA, KS 67278-1775

Re: ACO1
API 15-111-20476-00-00
Babinger 2
NE/4 Sec.26-21S-10E
Lyon County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
John Washburn