KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1152576

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 # 34151
Name: Brinker Enterprises, LLC
Address 1: 216 S MARSHALL ST
Address 2:
City: GLEN ELDER State: KS Zip: 67446 + __ __ __ __
Contact Person: Lee Brinker
Phone: (785) 545-3348
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Jeff Lawler
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 #:

3/8/2013	3/14/2013	3/14/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-24103-00-00
Spot Description:
NW - SW - NE - SW Sec. 36 Twp. 7 S. R. 20 ☐ East ☑ West
1943 Feet from ☐ North / ☑ South Line of Section
1628 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
County: Rooks
Lease Name: KnippSW Well #: 36-1
Field Name:
Producing Formation: Kansas City, Arbuck.e
Elevation: Ground: 1925 Kelly Bushing: 1930
Total Depth: 3550 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 435 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: 21000 ppm Fluid volume: 700 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: 07/23/2013
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/25/2013

Side Two

1152576

Operator Name: Brinker Enterprises, LLC Lease Name: KnippSW Well #: 36-1

Sec. 36 Twp. 7 S. R. 20 ☐ East ☑ West County: Rooks

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:

Dual Induction
Mirco
COmpensated Density/Neutron

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

Name	Top	Datum
Anhydrite TOp	1444	+486
Heebner	3103	-1173
LKC	3142	-1212

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 Casing	15.5	13.375	48	43.5	Common	90	3%cc2%gel

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

REMIT TO
RR 1 BOX 90 D
HOXIE, KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

№ 673

DATE 3-8-13	SEC. 36	RANGE/TWP. 7 20	CALLED OUT	ON LOCATION	JOB START 1645	JOB FINISH 1115
					COUNTY Rooks	STATE KS
LEASE Kripp SW			WELL # 36-1			

CONTRACTOR WW Drilling		OWNER Brinker				
TYPE OF JOB Conductor						
HOLE SIZE	T.D. 51.00	CEMENT				
CASING SIZE 13 3/8	DEPTH 43.50	AMONT ORDERED	90sx	com	3%cc 2%gel	
TUBING SIZE	DEPTH					
DRILL PIPE	DEPTH					
TOOL	DEPTH					
PRES. MAX	MINIMUM	COMMON	90	@15.50	1395.00	
DISPLACEMENT 5.25 bbl	SHOE JOINT	POZMIX		@		
CEMENT LEFT IN CSG.	10ft	GEL	2	@26.00	52.00	
PERFS		CHLORIDE	3	@58.00	174.00	
		ASC		@		
EQUIPMENT				@		
				@		
PUMP TRUCK				@		
#				@		
BULK TRUCK				@		
#				@		
BULK TRUCK				@		
#				@		
		HANDLING	95	@2.15	204.25	
		MILEAGE	56	@.10/sk/mi	532.00	
				TOTAL	2357.25	

REMARKS	SERVICE			
Ran 43.50 of 13 3/8 conductor with	DEPT OF JOB	43 1/2'	@	
8 5/8 landing jt	PUMP TRUCK CHARGE	1	@1250.00	1250.00
	EXTRA FOOTAGE		@	
Est Circulation	MILEAGE	56x2	@6.50	728.00
mixed 90sx com 3%cc 2%gel and disp	MANIFOLD		@	
5 1/4 bbls of H20 - shut in @ 100psi	Light Vehicle	56x2	@2.00	224.00
Cement did Circulate to Surface..			TOTAL	2202.00

CHARGES TO: Brinker Enterprises	
STREET	STATE
CITY	ZIP

To: Schippers Oil Field Services L.L.C.
You are hereby requested to rent cementing equipment and furnish staff to assit 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 "TERMS AND CONDITIONS" listed on the reverse side.

Thank You..!

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
	TOTAL 4559.25
TAX	
TOTAL CHARGE	
DISCOUNT (IF PAID IN 20 DAYS)	

Hoxie Sentinel Print / Form 411

SIGNATURE Scott Buchholz PRINTED NAME Scott Buchholz

REMIT TO
RR 1 BOX 90 D
HOXIE, KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

№ 675

DATE 3-14-15	SEC. 36	RANGE/TWP. 7 20	CALLED OUT 11:00 a.m.	ON LOCATION 1:30 p.m.	JOB START 2:00 p.m.	JOB FINISH 5:30 p.m.
					COUNTY Rooks	STATE KS
LEASE Knipp			WELL # 36-1			

CONTRACTOR WW #6		OWNER			
TYPE OF JOB Rotary Plug					
HOLE SIZE 7 7/8	T.D. 3350'	CEMENT	235 sks	60/40 4% Gel	
CASING SIZE	DEPTH	AMONT ORDERED	4 lb/sk	Flo-Seal	
TUBING SIZE	DEPTH				
DRILL PIPE 4 1/2	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	141	@15.50	2185.50
DISPLACEMENT	SHOE JOINT	POZMIX	94	@8.75	822.50
CEMENT LEFT IN CSG.		GEL	8	@26.00	208.00
PERFS		CHLORIDE		@	
		ASC		@	
EQUIPMENT		Flo-Seal	59	@2.25	132.75
				@	
PUMP TRUCK				@	
# 1 Jack				@	
BULK TRUCK				@	
# 1 Jay				@	
BULK TRUCK Pickup				@	
# Jared				@	
		HANDLING	245	@2.15	526.75
		MILEAGE	56	@.10/sk/mi	1372.00
				TOTAL	5247.50

REMARKS		SERVICE			
50 sks @ 3408'		DEPT OF JOB		@	
25 sks @ 1461'		PUMP TRUCK CHARGE	1	@1650.00	1650.00
100 sks @ 825'		EXTRA FOOTAGE		@	
20 sks @ 700'		MILEAGE	56x2	@6.50	728.00
10 sks @ 40'		MANIFOLD		@	
30 sks Rat Hole		Light Vehicle	56x2	@2.00	224.00
235 sks				TOTAL	2602.00
Plugged @ 5:30 p.m.					

CHARGES TO: Brinkel	
STREET	STATE
CITY	ZIP

PLUG & FLOAT EQUIPMENT	
9 5/8 Plug	@79.00
	@
	@
	@
	@
	TOTAL 7928.50
TAX	
TOTAL CHARGE	
DISCOUNT (IF PAID IN 20 DAYS)	

To: Schippers Oil Field Services L.L.C.
You are hereby requested to rent cementing equipment and furnish staff to assit 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 "TERMS AND CONDITIONS" listed on the reverse side.

Hoxie Sentinel Print / Form 411

SIGNATURE _____ PRINTED NAME _____

7:76pm

OPERATOR

Company:	BRINKER ENTERPRISES, LLC		
Address:	216 S MARSHALL ST GLEN ELDER, KS 67446		
Contact Geologist:	LEE BRINKER		
Contact Phone Nbr:	(785) 545-3348		
Well Name:	KNIPPSW #36-1		
Location:	NW SW NE SW Sec. 36-7S-20W	API:	15-163-24103-00-00
Pool:		Field:	WILDCAT
State:	KANSAS	Country:	USA

Scale 1:240 Imperial

Well Name:	KNIPPSW #36-1		
Surface Location:	NW SW NE SW Sec. 36-7S-20W		
Bottom Location:			
API:	15-163-24103-00-00		
License Number:	34151		
Spud Date:	3/8/2013	Time:	11:00 PM
Region:	ROOKS COUNTY		
Drilling Completed:	9/12/2012	Time:	5:50 PM
Surface Coordinates:	1943' FSL & 1628' FWL		
Bottom Hole Coordinates:			
Ground Elevation:	1925.00ft		
K.B. Elevation:	1930.00ft		
Logged Interval:	0.00ft	To:	0.00ft
Total Depth:	0.00ft		
Formation:	LANSING-KANSAS CITY		
Drilling Fluid Type:	FRESH WATER / CHEMICAL GEL		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	-99.5040433	Latitude:	39.3993644
N/S Co-ord:	1943' FSL		
E/W Co-ord:	1628' FWL		

LOGGED BY

SOLUTIONS CONSULTING

Company:	SOLUTIONS CONSULTING, INC.		
Address:	108 W 35TH HAYS, KS 67601		
Phone Nbr:	(785)259-3737		
Logged By:	Geologist	Name:	JEFF LAWLER

CONTRACTOR

Contractor:	WW DRILLING, LLC		
Rig #:	6		
Rig Type:	MUD ROTARY		
Spud Date:	3/8/2013	Time:	11:00 PM
TD Date:	9/12/2012	Time:	5:50 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1930.00ft	Ground Elevation:	1925.00ft
K.B. to Ground:	5.00ft		

NOTES

WELL COMPARISON SHEET

	KNIPPSW #36-1 NE NE SE 36-7-20				BRUNSON DRILLING COMPANY WAMHOFF #1 NE NE SE 36-7-20				NATL ASSOC. PETR.CO HIGHLEY #1 NE NE 2-8-20				P&A 9-10 BAIRD OIL COMPANY RABOURN #1-26 SW SW NE SE 26-7-20				BACH OIL PRODUCTION LOWRY #1 NW SE SE NE 34-7-20			
	KB 1930				KB 1938				KB 1906				KB 1980				KB 1927			
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG	SMPL.	COMP. CARD		LOG	SMPL.	COMP. CARD		LOG	SMPL.	COMP. CARD		LOG	SMPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP			1444	486	1453	485		+ 1	1440	466		+ 20	1514	466		+ 20	1473	454		+ 32
BASE			1478	452																
NEVA									2370	-464										
TOPEKA			2898	-968	2990	-1052		+ 84	2887	-981		+ 13	2949	-969		+ 1	2896	-969		+ 1
HEEBNER SHALE			3103	-1173	3116	-1178		+ 5	3088	-1182		+ 9	3152	-1172		- 1	3097	-1170		- 3
TORONTO			3128	-1198									3176	-1196		- 2	3122	-1195		- 3
LKC			3142	-1212	3154	-1216		+ 4	3132	-1226		+ 14	3192	-1212		+ 0	3136	-1209		- 3
BKC			3349	-1419	3364	-1426		+ 7	3339	-1433		+ 14	3401	-1421		+ 2	3347	-1420		+ 1
R/W ARBUCKLE									3386	-1480										
ARBUCKLE					3415	-1477			3395	-1489			3442	-1462			3387	-1460		
RTD					3469	-1531			3446	-1540			3481	-1501			3450	-1523		
LTD																	3442	-1515		

DST #1 PLATTSMOUTH 3065' - 3100'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC

216 S Marshall St
Glen Elder Ks 67446

ATTN: Lee Brinker

36-7s-20w Rooks

Knipp SW #36-1

Job Ticket: 50367 **DST#: 1**

Test Start: 2013.03.11 @ 02:50:24

GENERAL INFORMATION:

Formation: PLATTSMOUTH
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:04:04
Time Test Ended: 09:17:48

Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 42

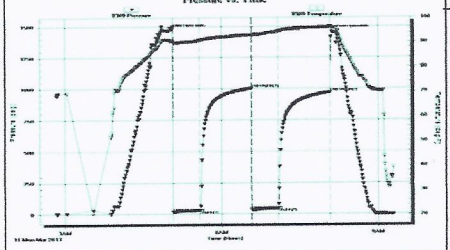
Interval: 3065.00 ft (KB) To 3100.00 ft (KB) (TVD)
Total Depth: 3100.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1930.00 ft (KB)
1925.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 Inside
Press@RunDepth: 48.32 psig @ 3073.00 ft (KB)
Start Date: 2013.03.11 End Date: 2013.03.11
Capacity: 8000.00 psig
Last Calib.: 2013.03.11

Start Time: 02:50:24 End Time: 09:17:46 Time On Btm: 2013.03.11 @ 04:58:19
Time Off Btm: 2013.03.11 @ 08:08:03

TEST COMMENT: 30-IFP-wk bl thru-out 1/4"bl
60-ISIP-no bl bl
30-FFP-wk bl thru-out 1/4"bl
60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1465.35	90.79	Initial Hydro-static
5	15.49	89.81	Open To Flow(1)
36	28.92	90.79	Shut-In(1)
95	1002.82	92.98	End Shut-In(1)
96	34.39	92.75	Open To Flow(2)
126	48.32	94.51	Shut-In(2)
186	971.15	96.22	End Shut-In(2)
189	1449.10	95.93	Final Hydro-static

Recovery

Length(ft)	Description	Volume(bbl)
65.00	MW 45%M55%W w/show of oil	0.32

Gas Rates

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

Trilobite Testing, Inc Ref. No: 50367 Printed: 2013.03.11 @ 15:44:00

DST #2 TORONTO - LKC 'C' 3100' - 3195'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC
216 S Marshall St
Glen Elder Ks 67446
ATTN: Lee Brinker

36-7s-20w Rooks
Knipp SW #36-1
Job Ticket: 50368 **DST#: 2**
Test Start: 2013.03.11 @ 17:05:10

GENERAL INFORMATION:

Formation: **Toronto-LKC A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:53:50
Time Test Ended: 22:56:49

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 42

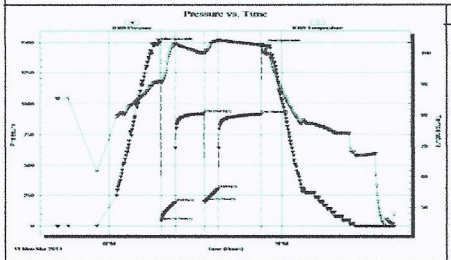
Interval: 3100.00 ft (KB) To 3195.00 ft (KB) (TVD)
Total Depth: 3195.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1930.00 ft (KB)
1925.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 Inside
Press@RunDepth: 303.93 psig @ 3106.00 ft (KB)
Start Date: 2013.03.11 End Date: 2013.03.11
Start Time: 17:05:10 End Time: 22:56:49

Capacity: 8000.00 psig
Last Calib.: 2013.03.11
Time On Btm: 2013.03.11 @ 18:50:05
Time Off Btm: 2013.03.11 @ 20:41:35

TEST COMMENT: 15-IFP-strg bl in 2min
30-ISIP-surface bl bk
15-FFP-strg bl in 3min
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1487.71	90.87	Initial Hydro-static
4	42.23	90.60	Open To Flow(1)
19	192.76	103.35	Shut-In(1)
49	920.85	100.10	End Shut-In(1)
50	200.25	99.84	Open To Flow(2)
84	303.93	104.66	Shut-In(2)
108	913.46	103.11	End Shut-In(2)
112	1473.71	100.23	Final Hydro-static

Recovery

Length(ft)	Description	Volume(bbl)
124.00	MW 5%M95%W w/show of oil	0.65
310.00	OCMW 10%O10%M80%W	4.35
124.00	OCWM 10%O40%W50%M	1.74
55.00	HOCM 20%O80%M	0.77

Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc Ref. No: 50368 Printed: 2013.03.12 @ 13:51:35

DST #3 LKC E-G 3206' - 3233'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC
216 S Marshall St
Glen Elder Ks 67446
ATTN: Lee Brinker

36-7s-20w Rooks
Knipp SW #36-1
Job Ticket: 50369 **DST#: 3**
Test Start: 2013.03.12 @ 05:51:03

GENERAL INFORMATION:

Formation: **LKC D-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:37:13
Time Test Ended: 10:51:42

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 42

Interval: 3206.00 ft (KB) To 3233.00 ft (KB) (TVD)
Total Depth: 3233.00 ft (KB) (TVD)

Reference Elevations: 1930.00 ft (KB)
1925.00 ft (CF)

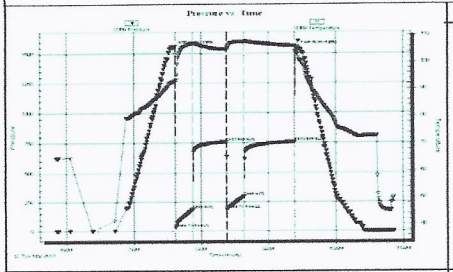
Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**

Press@RunDepth:	301.54 psig @	3210.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.12	End Date:	2013.03.12	Last Calib.:	2013.03.12
Start Time:	05:51:03	End Time:	10:51:42	Time On Btm:	2013.03.12 @ 07:35:28
				Time Off Btm:	2013.03.12 @ 09:25:28

TEST COMMENT: 15-IFP-strg bl in 3min
30-ISIP-no bl bk
15-FFP-strg bl in 4min
45-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1551.23	92.69	Initial Hydro-static
2	30.73	92.41	Open To Flow (1)
18	187.85	106.94	Shut-In(1)
47	760.34	104.79	End Shut-In(1)
48	190.87	105.06	Open To Flow (2)
63	301.54	107.65	Shut-In(2)
108	759.90	106.06	End Shut-In(2)
110	1543.57	103.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Water	5.92
100.00	MW 30%M70%W w /show of oil	1.40

Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc Ref. No: 50369 Printed: 2013.03.12 @ 11:15:50

DST #4 LKC H-J 3258' - 3325'

ROCK TYPES

Carbon Sh

ACCESSORIES

STRINGER
Chert
Sandstone

OTHER SYMBOLS

DST
DST Int
DST alt

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

Curve Track #1
ROP (min/ft)
Gamma (API)
Caliper

1:240 Imperial

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Caliper 16

Depth | Intervals | DST | Lithology | Oil Show | Geological Descriptions | Curve Track #3

Cored Interval
DST Interval

1' DRILL TIME THROUGH ANHYDRITE FROM 1430' - 1490'
1' DRILL TIME FROM 2700' - RTD
10' WET/DRY SAMPLES FROM 2750' - RTD

GEOLOGICAL SUPERVISON BY JEFF LAWLER FROM 2750' - RTD

8 5/8" PRODUCTION PIPE @ 50'

ANHYDRITE TOP 1444' (+486) E-LOG
BASE 1478' (+452) E-LOG

2690
2700
2710
2720
2730
2740
2750
2760
2770
2780
2790
2800

Lm- Cream Off White, F-Med XLN, oolitic, sl developed w/ mostly consistant XLN & vry fn ppy porosity, well cemented, clean & barren, much gummy argillaceous white & lm green clumps

Sh- A/A w/ sl waxy, unconsolidated & sl pebbley Lm Green chips

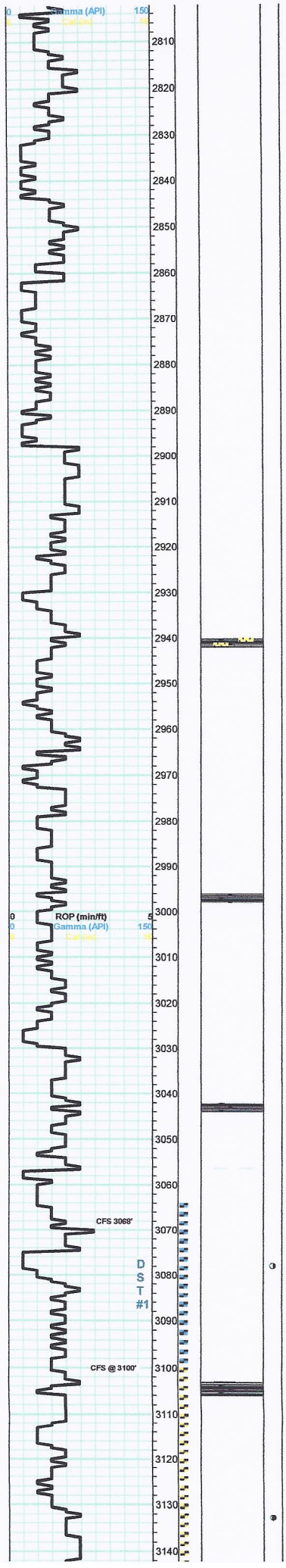
Lm- Tan Off White, F-Med, fsl w/ interbedded fusulinids & crinoids, well cemented, poorly developed w/ XLN porosity

Sh- Black Gray Lm Green, soft, very silty, gummy argillaceous clumps

Lm- Cream, FXLN, dense, well cemented, sl fsl, minimal vis. porosity, sctrd secondary recrystallization porosity

Sh- Maroon White Lm Green, abundant gummy argillaceous clumps, sandy white mud supported matrix, chalky lime

0 ROP (min/ft) 5



Sh- Maroon, gritty & earthy, gummy argillaceous clumps

Lm- Lt Gray Buff, FXLN, dense, well cemented, fsl w/ fragments, tight cherty Ls, sctrd XLN porosity

Sh/Ss- Lt & Drk Gray, soft, silty, some dense & well compacted, calcareous Ss- Dove Gray Lm Green, Fn Grn, friable, sl shaley, mostly consolidated & micaceous, NS

Lm- Cream Gray, mix of mud supported, unconsolidated & pebbley and fsl w/ fragments, dense cherty Ls, trashy high-energy mix

Sh/Ss- Abundant gummy argillaceous clumps, red, gray white Ss- Dove Gray, Vf-Fn Grn, sl shaley, loosely cemented, speckled w/ glauconite & sl micaceous

Sh- Gray Maroon, abundant gummy argillaceous clumps

TOPEKA 2898' (-968) E-LOG Lm- Gray Buff, FXLN, dense, well cemented, fsl, trashy high-energy mix

Lm- Cream Off White, FXLN, sl fsl, dense, poorly developed, minimal vis. & sctrd XLN porosity

Sh- Lt Gray White, soft, silty, calcareous, soft white chalk

Lm- Cream Off White, FXLN, loosely cemented, gritty sl dolomitic Ls, dense, minimal vis. porosity

Sh- Black, fissile, carbonaceous, Ss- Dove Gray Fn Grn, friable, sl shaley

Ss- Dove Gray, Vf-Fn Grn, dense, loosely cemented, sl shaley, lt speckled w/ glauconite, NS

Lm- Cream Off White, FXLN, fsl, poorly developed, mostly tight w/ minimal vis. porosity

Sh/Ss- White, much soft white chalk Ss- Dove Gray, Fn Grn, loosely cemented, consolidated & well sorted, mod. developed, lt speckled w/ dark minerals, NS

Lm- Cream Off White, FXLN, dense, mix of lithofied mud matrix w/ sctrd secondary recrystallization & small inclusions, mostly tight & poorly developed. sctrd XLN porosity

Lm- Buff Lt Gray, FXLN, mix of sl cherty Ls, most sl fsl, few chips of gritty sl dolomitic Ls, all w/ minimal vis. to sctrd XLN porosity, most w/ sctrd mottling

Sh- Black Gray White, fissile, slatey, carbonaceous, gummy argillaceous gray & white clumps

Sh- White Maroon, soft white chalk & gummy sandy lime

Lm- Cream Tan, Crypto-FXLN, dense, well cemented, mix of crypto XLN cherty Ls, sl speckled w/ pyrite inclusions, sl fsl, poorly developed, tight w/ minimal vis. porosity & gritty sl dolomitic cherty Ls, sctrd XLN porosity, clean & barren

Sh- Black White Lt Gray Maroon, fissile, carbonaceous, gummy soft chalk, gritty & earthy

Lm- Cream Off White, F-Med XLN, fsl, loosely cemented & crumbley, interbedded fusulinids, sctrd XLN porosity

Dolomite- Cream, Med XLN, well cemented, moderately developed, mostly w/ GD vis. euhedral rhombs, consistant XLn porosity throughout, clean & barren, few chips of lt gray fresh bedded chert

Lm- Cream Off White, Fn Grn, dense, mud supported matrix, heavily mottled

Lm- Cream, Vf Grn & FXLN, mix of lithofied mud supported, moderately developed w/ sctrd ppt porosity & FXLN, dense, packed oolitic, moderately developed w/ sctrd ppt porosity, all w/ DRK SCTRD STN, SL FLAKEY, VRY SL SFO, NO ODR

SHORT TRIP SURVEY 1 dgr. STRAP -0.28

DST #1 OREAD 3065' - 3100'

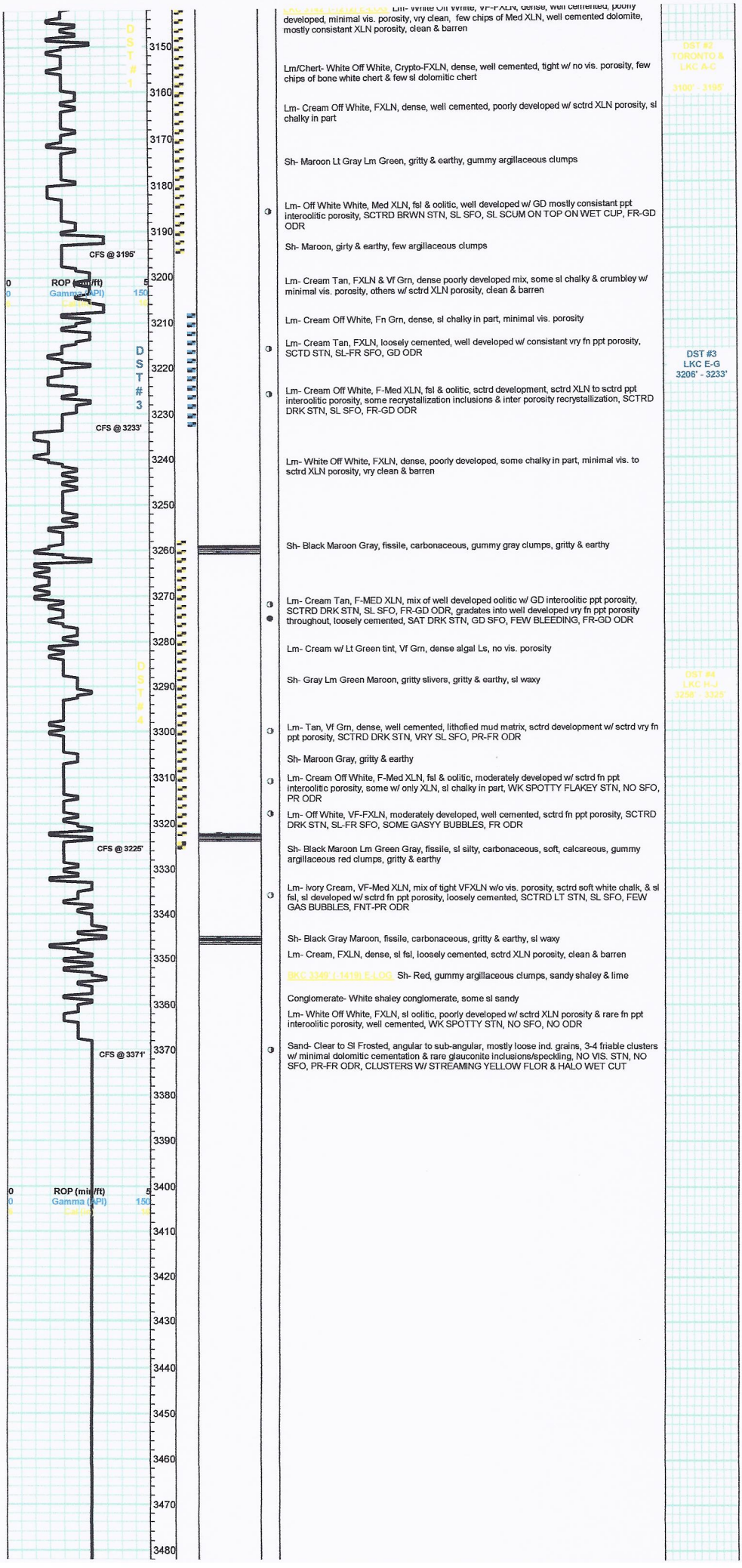
Lm- Cream Off White, FXLN & Fn Grn, mix of heavily mottled, tight w/ minimal vis. porosity, chalky in part

HEEBNER 3102' (-1173) E-LOG Sh- Black Maroon, vry fissile, carbonaceous, gritty & earthy

Sh- Gray Maroon, gummy argillaceous clumps

TORONTO 3126' (-1198) E-LOG Lm- Off White White, F-MED XLN, fsl & sl oolitic, well developed w/ sctrd ppt porosity, SCTRD DRK BRWN STN, FR SFO, VRY FNT ODR

LKC MAY (-1230) E-LOG Lm- White Off White, VF-FXLN, dense, well cemented, poorly


DST #1
DST #3
DST #4
CFS @ 3195'
CFS @ 3233'
CFS @ 3225'
CFS @ 3371'
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Caliper 16
3150
3160
3170
3180
3190
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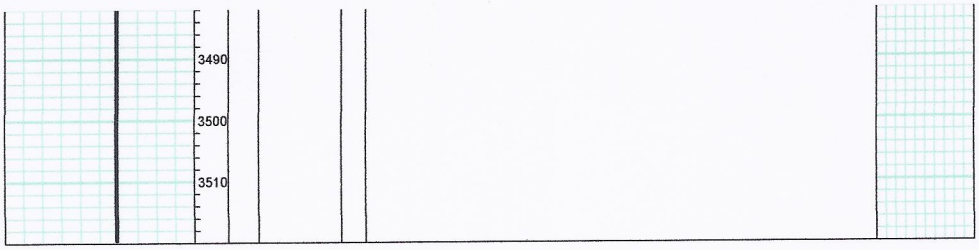
Lm- White Off White, VF-FXLN, dense, well cemented, poorly developed, minimal vis. porosity, vry clean, few chips of Med XLN, well cemented dolomite, mostly consistant XLN porosity, clean & barren
Lm/Chert- White Off White, Crypto-FXLN, dense, well cemented, tight w/ no vis. porosity, few chips of bone white chert & few sl dolomitic chert
Lm- Cream Off White, FXLN, dense, well cemented, poorly developed w/ sctrd XLN porosity, sl chalky in part
Sh- Maroon Lt Gray Lm Green, gritty & earthy, gummy argillaceous clumps
Lm- Off White White, Med XLN, fsl & oolitic, well developed w/ GD mostly consistant ppt interoolitic porosity, SCTRD BRWN STN, SL SFO, SL SCUM ON TOP ON WET CUP, FR-GD ODR
Sh- Maroon, girty & earthy, few argillaceous clumps
Lm- Cream Tan, FXLN & Vf Grn, dense poorly developed mix, some sl chalky & crumbley w/ minimal vis. porosity, others w/ sctrd XLN porosity, clean & barren
Lm- Cream Off White, Fn Grn, dense, sl chalky in part, minimal vis. porosity
Lm- Cream Tan, FXLN, loosely cemented, well developed w/ consistant vry fn ppt porosity, SCTD STN, SL-FR SFO, GD ODR
Lm- Cream Off White, F-Med XLN, fsl & oolitic, sctrd development, sctrd XLN to sctrd ppt interoolitic porosity, some recrystallization inclusions & inter porosity recrystallization, SCTRD DRK STN, SL SFO, FR-GD ODR
Lm- White Off White, FXLN, dense, poorly developed, some chalky in part, minimal vis. to sctrd XLN porosity, vry clean & barren
Sh- Black Maroon Gray, fissile, carbonaceous, gummy gray clumps, gritty & earthy
Lm- Cream Tan, F-MED XLN, mix of well developed oolitic w/ GD interoolitic ppt porosity, SCTRD DRK STN, SL SFO, FR-GD ODR, gradates into well developed vry fn ppt porosity throughout, loosely cemented, SAT DRK STN, GD SFO, FEW BLEEDING, FR-GD ODR
Lm- Cream w/ Lt Green tint, Vf Grn, dense algal Ls, no vis. porosity
Sh- Gray Lm Green Maroon, gritty slivers, gritty & earthy, sl waxy
Lm- Tan, Vf Grn, dense, well cemented, lithofied mud matrix, sctrd development w/ sctrd vry fn ppt porosity, SCTRD DRK STN, VRY SL SFO, PR-FR ODR
Sh- Maroon Gray, gritty & earthy
Lm- Cream Off White, F-Med XLN, fsl & oolitic, moderately developed w/ sctrd fn ppt interoolitic porosity, some w/ only XLN, sl chalky in part, WK SPOTTY FLAKEY STN, NO SFO, PR ODR
Lm- Off White, VF-FXLN, moderately developed, well cemented, sctrd fn ppt porosity, SCTRD DRK STN, SL-FR SFO, SOME GASYY BUBBLES, FR ODR
Sh- Black Maroon Lm Green Gray, fissile, sl silty, carbonaceous, soft, calcareous, gummy argillaceous red clumps, gritty & earthy
Lm- Ivory Cream, VF-Med XLN, mix of tight VFXLN w/o vis. porosity, sctrd soft white chalk, & sl fsl, sl developed w/ sctrd fn ppt porosity, loosely cemented, SCTRD LT STN, SL SFO, FEW GAS BUBBLES, FNT-PR ODR
Sh- Black Gray Maroon, fissile, carbonaceous, gritty & earthy, sl waxy
Lm- Cream, FXLN, dense, sl fsl, loosely cemented, sctrd XLN porosity, clean & barren
BKC 3349' (-1419) E-LOG Sh- Red, gummy argillaceous clumps, sandy shaley & lime
Conglomerate- White shaley conglomerate, some sl sandy
Lm- White Off White, FXLN, sl oolitic, poorly developed w/ sctrd XLN porosity & rare fn ppt interoolitic porosity, well cemented, WK SPOTTY STN, NO SFO, NO ODR
Sand- Clear to Sl Frosted, angular to sub-angular, mostly loose ind. grains, 3-4 friable clusters w/ minimal dolomitic cementation & rare glauconite inclusions/speckling, NO VIS. STN, NO SFO, PR-FR ODR, CLUSTERS W/ STREAMING YELLOW FLOR & HALO WET CUT
DST #2
TORONTO &
LKC A-C
3100' - 3195'
DST #3
LKC E-G
3206' - 3233'
DST #4
LKC H-J
3258' - 3325'


3490
3500
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

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

July 23, 2013

Lee Brinker
Brinker Enterprises, LLC
216 S MARSHALL ST
GLEN ELDER, KS 67446

Re: ACO1
API 15-163-24103-00-00
KnippSW 36-1
SW/4 Sec.36-07S-20W
Rooks 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,
Lee Brinker

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

Kansas
Corporation Commission

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

July 25, 2013

Lee Brinker
Brinker Enterprises, LLC
216 S MARSHALL ST
GLEN ELDER, KS 67446

Re: ACO-1
API 15-163-24103-00-00
KnippSW 36-1
SW/4 Sec.36-07S-20W
Rooks County, Kansas

Dear Lee Brinker:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 3/8/2013 and the ACO-1 was received on July 23, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department