Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1218504

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

			•••••
WELL HIS	STORY - DES	CRIPTION OF	WELL & LEASE

OPERATOR: License #	API No. 15		
Name:	Spot Description:		
Address 1:			
Address 2:	Feet from Dorth / South Line of Section		
City: State: Zip:+	Feet from East / West Line of Section		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()			
CONTRACTOR: License #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
New Well Re-Entry Workover	Field Name:		
	Producing Formation:		
☐ Oil ☐ WSW ☐ SWD ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW	Elevation: Ground: Kelly Bushing:		
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:		
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet		
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?		
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name:	feet depth to:w/sx cmt.		
Original Comp. Date: Original Total Depth:			
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan		
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)		
	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #:	Dewatering method used:		
Dual Completion Permit #: SWD Permit #:			
ENHR Permit #:	Location of fluid disposal if hauled offsite:		
GSW Permit #:	Operator Name:		
	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West		
Recompletion Date Recompletion Date Recompletion Date	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 Approved by: Date:

	Page Iwo	1218504
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chain important tang of formations panetrated De	tail all aaraa Bapart all final	apping of drill stome tools giving interval toolad, time tool

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 (Attach Additional She	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		ion, 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 / SQU	EEZE RECORD			
Purpose:	Depth	Trace of Ocean ant	III On also I land		Turne and D		

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

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			A		ement Squeeze Record I of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner Ru	n:	No	
Date of First, Resumed	Producti	ion, SWD or ENHF	} .	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION OF GAS:			METHOD OF COMPLETION:		_	PRODUCTION IN	TERVAL:			
Vented Sold Used on Lease Open		Open Hole			Commingled (Submit ACO-4)					
(If vented, Submit ACO-18.) Other (S		Other (Specify))		,	(505/111 ACO-4)				

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Geological Report

DK Operating, Inc. Whitley #3-13 1092' FSL & 523' FEL Sec. 13 T20s R23w Ness County, Kansas



DK Operating, Inc.

General Data

Well Data:	DK Operating, Inc. Whitley #3-13 1092' FSL & 523' FEL Sec. 13 T20s R23w Ness County, Kansas API # 15-135-25781-0000
Drilling Contractor:	Pickrell Drilling Rig #1
Geologist:	Jason T Alm
Spud Date:	May 29, 2014
Completion Date:	June 5, 2014
Elevation:	2210' Ground Level 2220' Kelly Bushing
Directions:	Bazine KS, South 6 mi. to 70 Rd. West 6 mi. to Y Rd. South 2 ¹ / ₂ mi. West into location.
Casing:	260' 8 5/8" surface casing
Samples:	10' wet and dry, 3900' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	None
Drillstem Tests:	Three, Trilobite Testing, Inc. "Jim Svaty"
Problems:	None
Remarks:	None

	DK Operating, Inc.
	Whitley #3-13
	Sec. 13 T20s R23w
Formation	1092' FSL & 523' FEL
Anhydrite	1417', +803
Base	1453', +767
Heebner	3661', -1441
Lansing	3710', -1490
BKc	4028', -1808
Pawnee	4154', -1934
Fort Scott	4222', -2002
Cherokee	4246', -2026
Mississippian	4314', -2094
Osage	4326', -2106
RTD	4351', -2131

Formation Tops

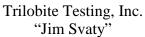
Sample Zone Descriptions

Fort Scott(4222', -2002):Covered in DST #1Ls – Fine to sub-crystalline with poor inter-crystalline and slight
vuggy porosity, very light spotted oil stain in porosity, slight show
of free oil when broken, no odor, fair yellow fluorescents.

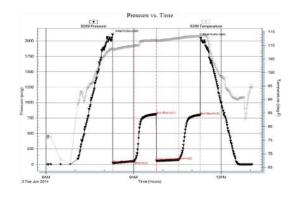
Mississippian Osage (4326', -2106): Covered in DST #2,3

 Δ – Dolo – Fine sucrosic crystalline with poor scattered intercrystalline and vuggy porosity, chert, triptolic, weathered with good vuggy porosity, light to fair oil stain in porosity, fair show of free oil, good odor, light spotted yellow fluorescents.

Drill Stem Tests



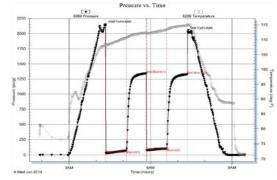
DST #	1 Fort Scott	
Interva	al (4188' – 4250') Anchor	Length 62'
IHP	- 2097 #	
IFP	– 45" – Built to 3 in.	22-54 #
ISI	– 45" – Dead	809 #
FFP	– 45" – Built to 2 in.	60-76 #
FSI	– 45" – Dead	798 #
FHP	- 2042 #	
BHT	– 113°F	



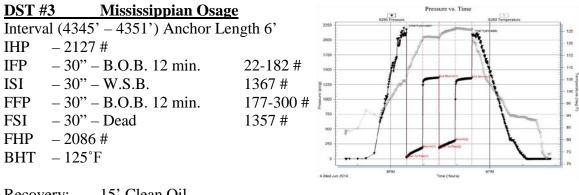
Recovery: 118' OCM 5% Oil

DST #2 Mississippian Osage

Interval (4265' – 4345') Anchor Length 80' IHP -2134 # -45" – Built to 4 ³/₄ in. IFP 26-70 # - 45" - Dead ISI 1343 # FFP -45" – Built to 3 in. 74-105 # - 45" - Dead FSI 1329 # FHP -2028 #BHT $-115^{\circ}F$



Recovery:	1' Clean Oil	
	6' OCM	30% Oil
	174' WOCM	20% Oil, 10% Water



Recovery: 15' Clean Oil 68' OSWCM 1% Oil, 29% Water 552' MCW 95% Water

	DK Operating, Inc.	Mull Drilling		Pickrell Drilling	
	Whitley #3-13	Whitley #1		Stairett A #1	
	Sec. 13 T20s R23w	Sec. 13 T20s R23w		Sec. 18 T20s R22w	
Formation	1092' FSL & 523' FEL	C NE SE		C NW SW	
Anhydrite	1417', +803	1416', +806	(-3)	1418', +805	(-2)
Base	1453', +767	4151', +771	(-5)	NA	NA
Heebner	3661', -1441	3658', -1436	(-5)	3665', -1442	(+1)
Lansing	3710', -1490	3706', -1484	(-6)	3711', -1488	(-2)
BKc	4028', -1808	NA	NA	NA	NA
Pawnee	4154', -1934	NA	NA	4154', -1931	(-3)
Fort Scott	4222', -2002	4223', -2001	(-1)	4223', -2000	(-2)
Cherokee	4246', -2026	NA	NA	NA	NA
Mississippian	4314', -2094	4309', -2087	(-7)	4313', -2090	(-4)
Osage	4326', -2106	4327', -2105	(-1)	4325', -2102	(-4)

Structural Comparison

Summary

The location for the Whitley #3-13 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three Drill Stem Tests were conducted all of which were negative. After all gathered data had been examined the decision was made to plug and abandon the Whitley #3-13 well.

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.

ALLIED OIL & GAS SERVICES, LLC 062946 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999

SERVICE POINT:

TE 6-5-14	SEC. 3 TWP. Zo	RANGE 23	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
	WELL # 3-13	LOCATION ARE	dry St. 40 Rd	-5E-125	COUNTY	STATE //
D OR NEW (Ci		Winto	<u> </u>			
ONTRACTOR -	DS-10-11		OWNER			
PEOFJOB &			OWNER	and the second		
DLE SIZE 1	kg T.I)	CEMENT	25	de lali	in isreal
SING SIZE		EPTH	_ AMOUNT OI	RDERED 250	345 6019	10 91.92
BING SIZE		EPTH 1470	7 F10			
OOL		EPTH				
ES. MAX		NIMUM			@	
EAS. LINE EMENT LEFT II		IOE JOINT	FOLMIX GEL	and the second se	@	
RFS.	4 2 - 1		CHLORIDE		_@	
SPLACEMENT			ASC	60/40+49	@	V 730.0
	EQUIPMEN	Г	Alaska	1 63	@ 2.97	187.11
		th Bake				
JMPTRUCK	HELPER	Glis	—Mat	Erialstal	@	4.917.1
JLK TRUCK				Dise	_@ <u>25%</u>	1.440.
571-1/2	DRIVER Keve	~ Withous		S	urel -	
ŮLK TRUCK	DRIVER			and the second sec		665.95
	Ditt V Dit		- HANDLING	268.53 1.21 ×12 ×	2.75 36	9.93: 380.9
	REMARKS		MILLINGE -		and a state of the second	-
log don Rig don	~ 1115 pm		MILEAGE	HUM 12 LUM 12	@ @ 7-70 @ 168.00 @ 4-40 @	92.40 168.99 52.80
HARGE TO:) K operation	29				3.608.
TREET	······································	/			7.5%	902.
ITY	STATE	ZIP		PLUG & FLO	AT EOUIPME	NT
					-	
					@	
	z Gas Services, LL				@	
ou are hereby	requested to rent co	ementing equipme	nt		@	
(ou are hereby nd furnish cem	requested to rent co enter and helper(s)	ementing equipme) to assist owner or	· · · · · · · · · · · · · · · · · · ·		@ @	
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