

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1065648

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM

		DECODUDTIO		
WELL	HISTORY	<ul> <li>DESCRIPTIOI</li> </ul>	N OF WELL	& LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / 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 #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil       WSW       SWD       SIOW         Gas       D&A       ENHR       SIGW         OG       GSW       Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used?
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from:         feet depth to:       w/sx cmt
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R East West
ENHR         Permit #:           GSW         Permit #:	County: Permit #:
Spud Date or Recompletion Date         Date Reached TD         Completion Date or Recompletion Date	

### 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:

	Side Two	1065648
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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.

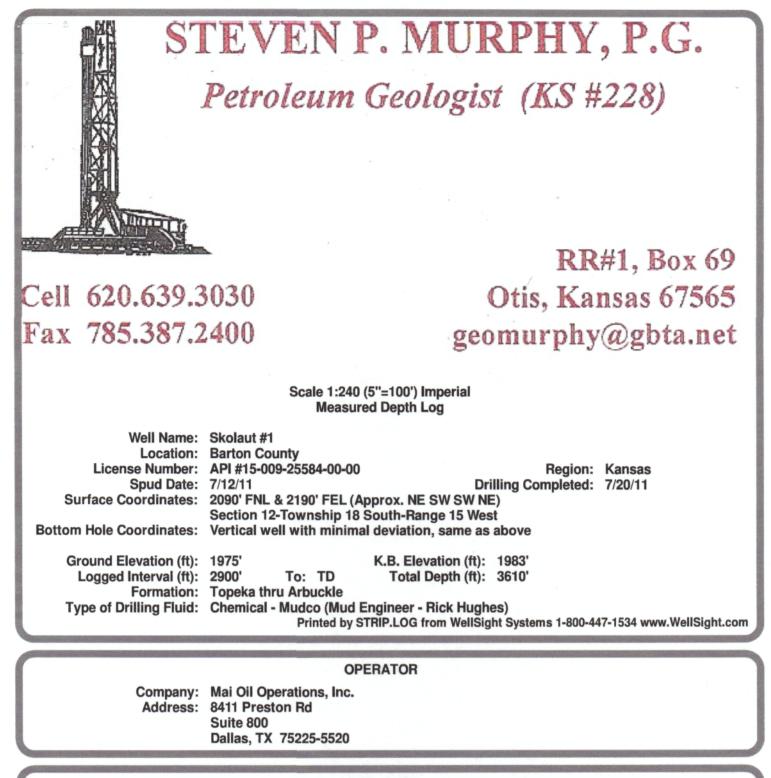
Drill Stem Tests Taken (Attach Additional She	eets)	Yes No	L	0	n (Top), Depth an	d Datum Top	Sample Datum
Samples Sent to Geolog	gical Survey	Yes No					
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<ul> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> </ul>					
List All E. Logs Run:							
		CASIN	G RECORD	ew Used			
		Report all strings se	t-conductor, surface, int	ermediate, product	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 / SQUEEZE RECORD

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

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval I		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

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



GEOLOGIST

Name: Company: Address:

Steven P. Murphy, PG
Consulting Petroleum Geologist (KS License #228)
3365 County Rd 390 Otis, KS 67565 Cell Phone No: 620-639-3030

### LogTops (Datum)

The open-hole logging was performed by Jeffry Groneweg with Superior Well Services (Hays, KS shop). Logs included Compensated Neutron/Compensated Density, Dual Induction & Microlog.

Formation tops and datums from the open-hole logs include the following:

Top Anhydrite - 1018 (+965) Base Anhydrite - 1046 (-937) Topeka - 2990 (-1007) Heebner - 3229 (-1246) Toronto - 3245 (-1262 Br. Lime - 3296 (-1313) Lansing - 3308 (-1325) Muncie Crk - 3430 (-1447) BKC -3520 (-1537) Arbuckle - 3548 (-1565)

# DSTs

The following drillstem tests were performed by Jeff Brown w/Trilobite Testing from the Hays, KS shop:

DST #1 3352-3386 (LKC "E,F,G") 15:15:15:15 IF: No blow, no return FF: No blow, flushed tool, no return Recovery: 3' mud w/scum of oil IHP: 1655 FHP: 1642 IFP: 18-19 ISIP: 27 FFP: 20-21 FSIP: 27 BHT: 105 F

DST #2 3450-3496 (LKC I,J,K) 45:45:45:45 IF: Blow built to 5-1/2", no return FF: Blow built to 7-3/4", no return Recovery: 186' GIP, 20' MCGO (20% G, 70% O, 10% M), 11' OCM (10% O, 90% M) IHP: 1727 FHP: 1746 IFP: 36-39 ISIP: 259 FFP: 37-42 FSIP 240 BHT - 110 Oil Gravity - 21

## COMMENTS

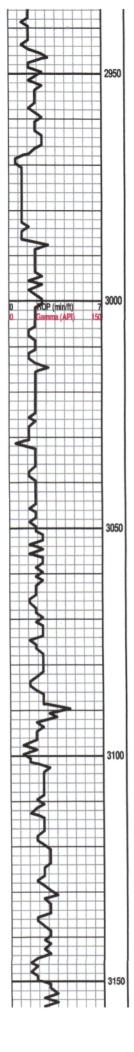
The Skolaut #1 was drilled by Southwind Drilling Rlg #6 (Tool pusher Jay Krier).

Based on the results of DST's and log & sample analysis, it was recommended that this well be plugged at a RTD of 3610'.

Respectully submitted,

Steven P. Murphy, PG Consulting Petroleum Geologist (KS Licence #228)

· · ·				F	OCK TYPES		
	nhy Bent Brec			Coal Congl	<del></del>		Shcol Shgy Sitst
	ht lysi	t		Gyp		Salt Shale	Ss Till
				OTI	HER SYMBOL	.S	
OIL SHOW Even Spotter Ques	d			▶ Dead ★ Gas		RVAL Core Ost	EVENT ☐ Conn ☑ Rft ▶ Sidewall
Curve Track 1 ROP (min/ft) Gamma (API)	Depth	Lithology	Oil Shows	Geological Description	ns		REMARKS
	6		0				
0.       ROP (min'ft)       7         0.       Carima (APT)       150         0	2850					8-5/8" casin Deviation S The followin associated Please refer log tops & d	Rig #6 MIRU on 7/12/11 ng set @ 1020' w/350 sacks Survey @ 1020' - 1 degree ng are sample formation tops & datums (with KB of 1983'). r to the main header for electric datums: on location on 7/16/11 @ 2860'
	2900			SH: gry-grn LS: orm-brn, fidn, foss, sl chalky, dense, NS SH: gry-grn-red		HOWARD 2916 (	(-933)



LS: crm-tan-gry, vixin, toss, dense, INS

SH: gry-grn

LS: crm-tan-gry, vfxln, foss, dense, NS

LS: crm-tan-gry, vfxln, foss, dense, NS

SH: gry-grn

SH: gry-grn

LS: crm-gry, vfxln, foss, mottled, dense, NS

LS: crm-gry, vfxln, foss, mottled, dense, NS

SH: gry-grn-red

LS: crm-gry, vfxln, sl foss, sl chalky, dense, NS

LS: crm-gry, vixin, si foss, si chalky, dense, NS

LS: crm-gry, vfxin, sl foss, sl chalky, dense, NS

LS: crm-gry, v/xdn, sl foss, sl chalky, dense, NS

LS: crm-tan-gry, vfxln, foss, dense, NS

SH: blk SH: blk-gry-grn

LS: crm-tan, vfxin, sl foss, sl chalky, dense, NS

SH: blk-gry-grn-red

LS: crm-tan, vfxln, sl mottled, cherty, NS

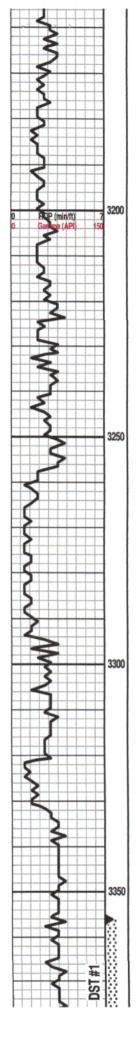
LS: crm-tan, vfxln, sl mottled, cherty, NS

LS: crm-tan, vfxln, sl mottled, cherty, NS

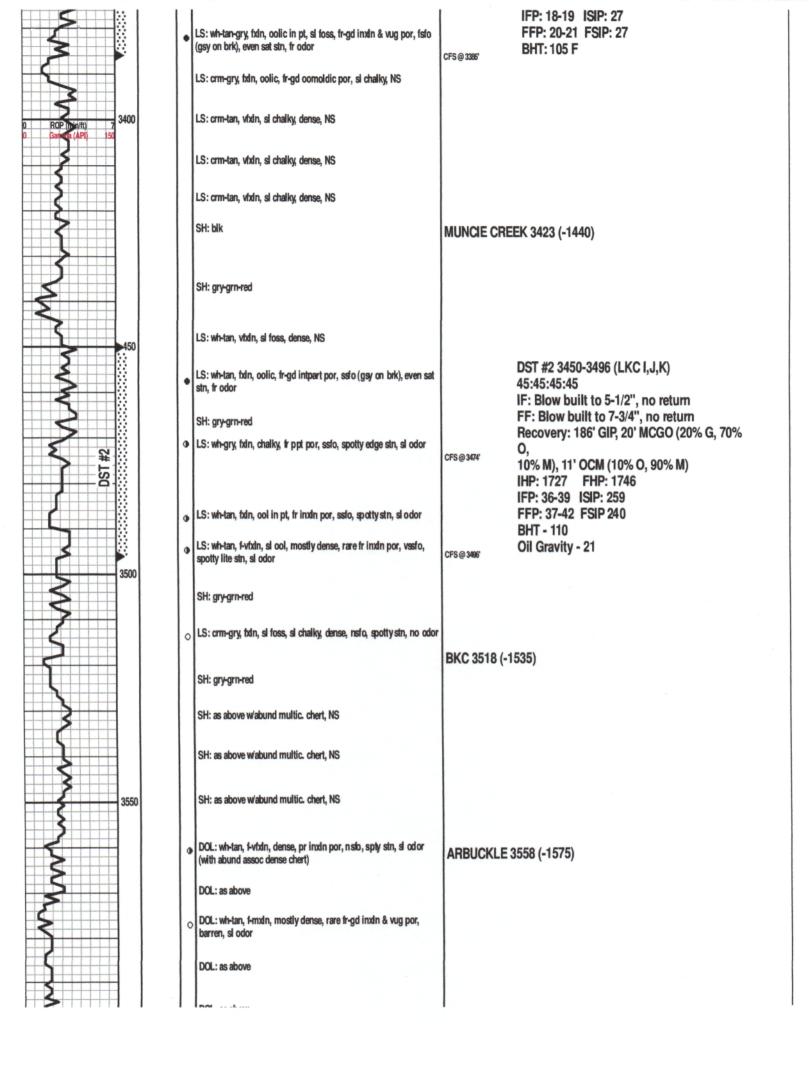
SH: blk-gry-grn

LS: crm-brn, vfxln, foss, dense, NS

TOPEKA 2987 (-1004)



LS: wh-tan, vtxln, sl foss, dense, NS LS: wh-tan, vbdn, sl foss, dense, NS LS: crm-tan, vfxln, foss, sl chalky, dense, NS LS: crm-tan, vfxln, foss, sl chalky, dense, NS LS: crm-tan, fxln, oolic in pt, fr inxln por, vssfo, spty stn, no odor 0 HEEBNER 3224 (-1241) SH: blk SH: gry-grn-red **TORONTO 3238 (-1255)** LS: wh-tan-brn, vfxln, dense, NS SH: gry-grn-red SH: gry-grn-red SH: gry-grn-red BROWN LIME 3294 (-1311) LS: tan-brn, vfxln, dense, NS LANSING 3306 (-1323) SH: gry-grn-red LS: wh-tan, vixin, dense, si chalky, si foss, NS LS: wh-tan, fxln, oolic, fr inxln por, sl chalky, minor chert, nsfo, Ō spotty gilsonite stn, no odor Pipe strapped @ 3386' - 1.36' short to LS: crm-tan, vfxln, sl foss, dense, NS board (No correction made) LS: crm-tan, vfxln, sl foss, dense, NS Survey @ 3386' - 3/4 degree DST #1 3352-3386 (LKC "E,F,G") 15:15:15:15 LS: wh-tan, fxln, oolic, pr-fr inxln por, ssfo, even sat stn, fr odor ٠ IF: No blow, no return FF: No blow, flushed tool, no return Recovery: 3' mud w/scum of oil IHP: 1655 FHP: 1642 LS: wh-tan, txin, oolic, pr-fr inxin por, ssfo, even sat stn, fr odor ٠



	DUL: as above	
0 ROP (min/tt) 7 0 Gatoma (API) 150	DOL: as above	
	RTD - 3610'	
	LTD - 3611'	
3650		

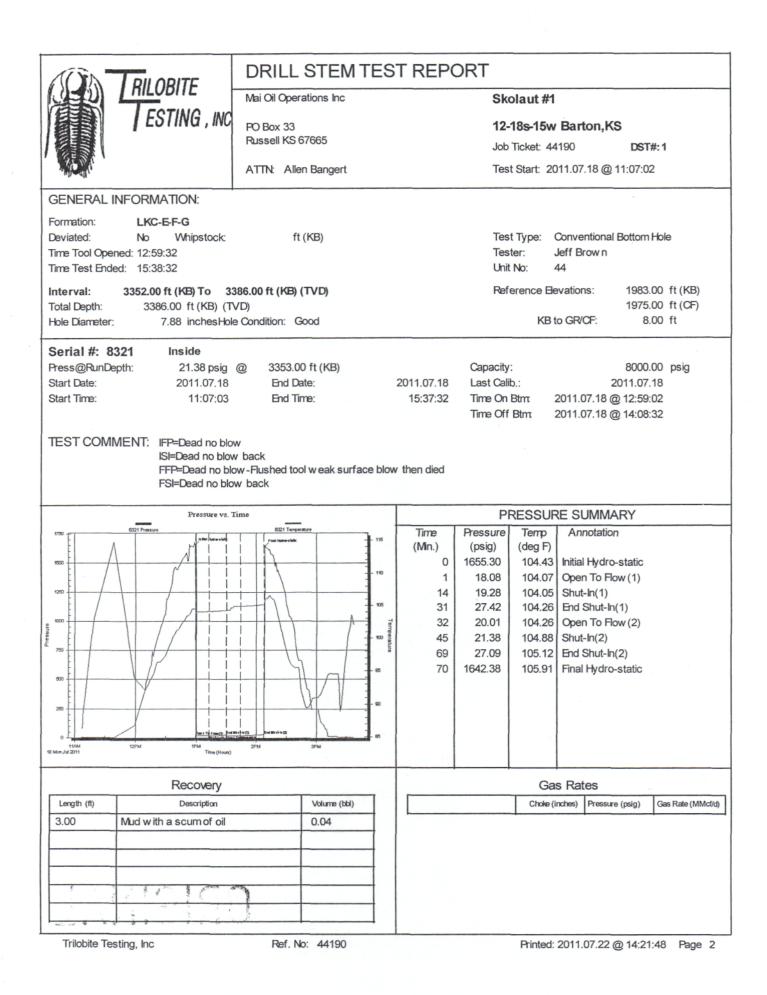
Notice: Fill out COMPLETEL and return to Conservation Di the address below within 60 days from plugging date.	Y vision at	KANSAS CORPORA Oil & Gas Conse WELL PLUGG K.A.R.8	RVATION DIVISI ING RECOF 2-3-117	NN RD	Form CP- March 200 Type or Print on this Forn Form must be Signer All blanks must be Filler
ENHR Permit #: Is ACO-1 filed? Producing Formation(s): List A Depth to Depth to	State: KS State:	OG 🖉 D&A Cathodi SWD Permit #: age Permit #: log attached? Yes sheet) n: T.D. n: T.D. n: T.D.	Spol Desc NE_SW_ 2,090 2,190 Footages c County: Lease Nar Date Well The plugg by: Plugging 0 Plugging 0	SW_NE_Sec. 12_T Feet from Calculated from Near Marton NENW [ Barton ne: Skolaut Completed: Wildd ing proposal was app ice Basye Commenced: 7/19/	wp. 18 S. R. 15 East ✓ Wes ✓ North / South Line of Section ✓ East / West Line of Section est Outside Section Corner: SE SW Weil #: 1 Cat roved on: 7/19/2011 (Date (KCC District Agent's Name
Oil, Gas or Water			Casing Record (Surfa	ce, Conductor & Produ	uction)
Formation	Content	Casing	Size	Setting Depth	Pulled Out
		Surface	8 5/8"	1020'	0'

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plugged well with 185 sacks of 60/40 Poz, 4% gel, 1/4# flo-seal, 1st plug @ 3540' with 25 sacks, 2nd plug @ 1080' with 40 sacks, 3rd plug @ 375' with 80 sacks, 4th plug @ 40' to surface with 10 sacks, 30 sacks rat hole, by Allied (Ticket #35792), plug was down @ 9:45 am on 7/20/2011.

Plugging Contractor License #:33350	Name:	Southwind Drilling, Inc.	
Address 1: PO Box 276	Address 2:		
City: _Ellinwood		State: Kansas	zip: <u>67526</u> +
Phone: (620) 564-3800			
Name of Party Responsible for Plugging Fees: Mai Oil Operations, Inc.			
State of Kansas County, Barton		, \$5.	
Jennifer Heape (Print Name)		Employee of Operator or	Operator on above-described well
being first duly sworn on oath, says: That I have knowledge of the facts statements,	and matters h	erein contained, and the log of the a	above-described well is as filed, an
the same are true and correct, so help me God. Signature:		$G \bigcirc$	IPY
Mail to: KCC - Conservation Division, 130 S	S. Market - R	oom 2078, Wichita, Kansas 672	02

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



UED)	RILOBITE	Mai Oil Operations Inc		Sk	olaut #1		
ESTING , INC		PO Box 33 Russell KS 67665		12-	18s-15w	Barton,KS	
		ATTN: Allen Bangert			Ticket: 44 t Start: 20	011.07.19 @ 06	<b>DST#: 2</b> 33:37
GENERAL	INFORMATION:						
	LKC-I-J-K No Whipstock: ened: 08:09:07 ded: 12:57:07	ft (KB)		Tes	ter:	Conventional Bo Jeff Brow n 44	ottom Hole
<b>Interval:</b> Total Depth: Hole Diameter	<b>3450.00 ft (KB) To 34</b> 3496.00 ft (KB) (TV 7.88 inchesHole			Ref	erence Be KB t		1983.00 ft (KB) 1975.00 ft (CF) 8.00 ft
Serial #: 8 Press@RunD Start Date: Start Time:		@ 3455.00 ft (KB) End Date: End Time:	2011.07.19 12:57:07	Capacity Last Cali Time On Time Off	b.: Btm: 2		
TEST COM	IMENT: IFP=Fair blow bu FFP=Dead no blo FFP=Fair blow bu FSI=Dead no blow	w back uilt to 7 3/4 in					
	Pressure vs. T					RE SUMMAR	Y
1720 1500 1220 700 200 200 200 0 1000 1000 1000			Time (Min.) 0 1 46 91 135 181 181	Pressure (psig) 1727.34 35.71 38.86 258.77 36.82 41.99 240.44 1745.74	107.50 108.48 109.27 109.23 109.89 110.47	Annotation Initial Hydro-st Open To Flow Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st	(1)
	Recovery				Ga	s Rates	
Length (ft)	Description	Volume (bbl)			Choke (i	inches) Pressure (p	sig) Gas Rate (MMcf/d)
11.00	OCM 10%O90%M	0.15					
20.00	MCGO 10%M20%G70% 186 GIP	0.00					

Phone 785-483-2025 Cell 785-324-1041		ral Tax I.D.# 20-2886107 P.O. Box 32 Russell, KS 67665 No. 4675			
Sec.	Twp. Range	County State On Location Finish			
Date 7-14-11 12	18 15	Barton Kaugas 12:300			
Lease Stalmat V	Vell No.	Location Minit 15 \$ E Sink			
Contractor Sathurguid De	Il Rich	Owner			
Type Job Sulface	13 156	To Quality Oilwell Cementing, Inc.			
Hole Size 123	T.D. 1020	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed			
Csg. 82 23/2	Depth 1/220	Charge Ma: Oil Operation-			
Tbg. Size	Depth	Street			
Tool Baffle Plate	Depth	City State			
Cement Left in Csg. 30 <5	Ohen Isint To	a subject to change werder moreow for decide are excellence to service selections			
	Displace				
Meas Line EQUIPI	- Qapa	Cement Amount Ordered 350 Golya Sacc 25but			
No Cementer		Common (1) ()			
Pumptrk 9 No. Helper	iee	Common 2/0			
Bulktrk / 3 Driver Them		Poz. Mix 740			
Bulktrk Driver	4	Gel.			
JOB SERVICES	& REMARKS	Calcium			
Remarks:	and property dam	Hulls Hulls			
Rat Hole	lo romale. O reforede	Salt			
Mouse Hole	na yos tertinos bos mi	Flowseal			
Centralizers		Kol-Seal			
Baskets		Mud CLR 48			
D/V or Port Collar	servoir loss, or damag	CFL-117 or CD110 CAF 38			
.806		Sand			
e primoin and when a coming of	N-	Handling 368			
- Cana di	el icola	6 Mileage			
Conton ou	a Cr cap	FLOAT EQUIPMENT			
inemao ni potos jedinorio men		Guide Shoe			
		Centralizer			
name de constantina en acontes elle caldo 22/71-1411/0 hebroates h	non eau ao or ir ya o	Baskets			
any must videe which is deter	Carrange II to the	AFU Inserts			
H VALUE IN A RECARCE		Float Shoe			
		Latch Down			
istness estos you tot aidal od to	in light YTIJAUO bris	BOOL Pal			
	A 1960	DI DI			
	A DE RECENTION OF AN	Pumpter Charge S C fore			
1 in		Pumptrk Charge Jong Surface			
Aliet	or correctiness of any in links or research, or re	Mileage / 4			
10 ITA	to one gillow a real	Discount			
x Xin	DUAL ITY shall be und	The strate short (22) and a construction store to grandering			
X Signature	CONTRACTOR AND A PARTY OF A	Total Charge			

Oct. 19. 2011 9:32AMCEAllied Ce	menting Co	ບໍ່ມີ., L	<b>LC.</b> (	)35 <b>7</b> 92 <sup>No</sup>	D. 8993 P. 1	
Federal Tax I.D REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	service point: <u>Russell ks</u>				Allan 765-463 2169	
DATE 7-20-11 12 TWP. RANGE 15 CA	LLED OUT	ON LOCATION	JOB START	JOB FINISH	765 2161	
LEASE SKOlen + WELL # / LOCATION O/Mit	2 1	1/2 E	COUNTY Darten	STATE	1	
OLD OR NEW (Circle one) Sinto			2-03	7,3	e for	
CONTRACTOR Southwind Drilling	OWNER			Q		
HOLE SIZE T.D. 36/0	CEMENT AMOUNT OR	DERED 185	sx 60/4	0		
TUBING SIZE DEPTH DRILL PIPE DEPTH 3540	<u>4%</u>	1 1/4 # FIO				
TOOL DEPTH PRES. MAX MINIMUM	COMMON	111.	@ 14.25	1803.75		
MEAS. LINE SHOE JOINT	POZMIX	74	@ 8,50	629.00		
CEMENT LEPT IN CSG.	GEL @ CHLORIDE @					
DISPLACEMENT	ASC		_@			
EQUIPMENT	Flo St	1. 2046	@ 2,70	_124.20		
PUMPTRUCK CEMENTER Hearth			_@			
BULK TRUCK			_@			
# 481 DRIVER Mark			@			
# DRIVER	HANDLING	. letala /	@ 2.25	429.15	1	
REMARKS:	MILEAGE	20 11 /s/c/m/c		3534,40		
25 sx @ 3540	18448	. 21				
405× 8 1080	2400	SERVI	ICE			
10 \$¥ 40	DEPTH OF JO PUMP TRUC			1250,00		
Hat Hole 305x	EXTRA FOO	TAGE	@	1	1	
	MILEAGE		@ 7,00 :	2.80,00		
Thanks	Lun	40	@ 4,00	160,00	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
CHARGE TO: Mai O'I Operation'S Inc	- 6	1	TOTAL	1690,00	theread	
STREET	381.38	,	IUIAL	1-10,	1302.94	
CITYSTATEZIP		PLUG & FLOA	T EQUIPMEN	NT	C	
			â			
	wood	Plug	_@	N-C		
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment			_@			
and furnish cementer and helper(s) to assist owner or			_@			
contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or			TOTAL		•	
contractor. I have read and understand the "GENERAL	SALES TAX	(If Any)				
TERMS AND CONDITIONS" listed on the reverse side.	TOTAL CHA			5224.40	•	
PRINTED NAME Jay KHICH	DISCOUNT	1.	IF PA	ID IN 30 DAYS		
SIGNATURE Jug this						
The the						
					3'	

2009-08-12 22:10

7854835566

Page 1

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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 Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

October 19, 2011

Allen Bangert Mai Oil Operations, Inc. 8411 PRESTON RD STE 800 DALLAS, TX 75225-5520

Re: ACO1 API 15-009-25584-00-00 SKOLAUT 1 NE/4 Sec.12-18S-15W Barton 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, Allen Bangert