

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1138290

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 #		API No. 15	
Name:		Spot Description:	
Address 1:		Sec	TwpS. R 🗌 East 🗌 West
Address 2:		Fe	eet from North / South Line of Section
City: State: Zip:	+	Fe	eet from East / West Line of Section
Contact Person:		Footages Calculated from I	Nearest Outside Section Corner:
Phone: ()			
CONTRACTOR: License #			
Name:			Well #:
Wellsite Geologist:			vven #
-			
Purchaser:			
Designate Type of Completion:	<b>-</b>		Kelly Bushing:
New Well Re-Entry	Workover	Total Depth: Plu	ug Back Total Depth:
Oil WSW SWD	SIOW	Amount of Surface Pipe Se	et and Cemented at: Feet
Gas D&A ENHR	SIGW	Multiple Stage Cementing	Collar Used? 🗌 Yes 🗌 No
☐ OG ☐ GSW	Temp. Abd.	If yes, show depth set:	Feet
CM (Coal Bed Methane)		If Alternate II completion, c	ement circulated from:
Cathodic Other (Core, Expl., etc.):		feet depth to:	w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:			
Operator:		Drilling Fluid Managemer	at Blan
Well Name:		(Data must be collected from th	
Original Comp. Date: Original Tota	al Depth:	Oblarida contenti	ppm Fluid volume: bbls
Deepening Re-perf. Conv. to E	NHR Conv. to SWD		
Conv. to G	SW	Dewatering method used: _	
Plug Back: Plug I Plug	Back Total Depth	Location of fluid disposal if	hauled offsite:
Commingled Permit #:		Operator Name	
Dual Completion Permit #:			License #:
SWD Permit #:			
ENHR Permit #:			TwpS. R East West
GSW Permit #:		County:	Permit #:
	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

	Side Two	1138290
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 Sh	eets)	Yes No		-	n (Top), Depth and		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (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		lew Used			
		Report all strings se	et-conductor, surface, in	termediate, producti	on, 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 RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					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

## **DUANE STECKLEIN**

PETROLEUM GEOLOGIST 579 280<sup>TH</sup> AVE. HAYS, KANSAS 67601 785-432-2477

## **GEOLOGICAL REPORT**

Habit Petroleum, LLC Schmidt #2

1410' FNL + 660' FWL SEC. 12 TWP 15s RGE 18w Ellis County, Kansas

COMMENCED: 11/1/12 COMPLETED: 11/7/12 CONTRACTOR: Shields Drilling SURFACE PIPE: 8 5⁄8 at 318' PRODUCTION PIPE: 5 1/2" at 3660'

Nov. 28, 2012

## **Formation Data**

Elevation: (2014 K.B.) – (2009 G.L.) All top formations measured from 2014 K.B..

FORMATION	SAMPLE TOPS	SEA-LEVEL DATUM
Anhydrite	1175	+839
Base Anhydrite	1216	+798
Topeka	2990	-976
Heebner	3251	-1237
Toronto	3271	-1257
Lansing-K.C.	3298	-1284
Base-K.C.	3536	-1522
Arbuckle	3580	-1566
R.T.D.	3660	-1646
FORMATION	LOG TOPS	SEA-LEVEL DATUM
Anhydrite	1175	+839
Base Anhydrite	1212	+802
Topeka	2990	-976
Heebner	3252	-1238
Toronto	3271	-1257
Lansing-K.C.	3299	-1285
Base K.C.	3536	-1522
Arbuckle	3581	-1567
R.T.D.	3663	-1649

All samples were examined and described by me on actual location and did not start until a depth of 2950' was reached. All zones and sample tops examined are all true and accurate according to drillers depth.

One foot drilling time was logged from a depth of 2950' to 3660', and all zones were examined by ten foot samples at a rotary depth of 2950' to 3300'. Five foot samples were examined from a rotary depth of 3305' to 3660'.

# **Sample Description**

Following are the pertinent geological formations and all zones of subject well Schmidt #2..

### THE FOLLOWING ZONES WERE NOTED:

TOPEKA	2990-2010	Limestone – tanish brown to gray, fine crystalline to chalky, no inter porosity, no show of oil or odor.
	3025-3040	Limestone – same as above.
DEER CREEK	3050-3058	Limestone – white, cream and gray, fine crystalline to chalky, no inter porosity, no show of oil or odor.
	3064-3090	Limestone –tan, cream, and gray, fine crystalline to very dense lime, chalky in part, no inter porosity, no show of oil or odor,
LECOMPTON	3105-3106	Limestone – buff to cream, fine crystalline chalky in part, no inter porosity, no show of oil or odor.
	3124-3141	Limestone- cream, fine crystalline to chalky, poor to no inter porosity, no show of oil or odor.
	3150-3164	Limestone- same as above
OREAD LIME	3184-3200	Limestone – tan to grayish, fine crystalline to very dense lime, no inter porosity, no show of oil or odor.
	3222-3230	Limestone – cream to tan, fine crystalline, poor inter porosity with a small show of very light oil stain, fair odor

	3231-3250	Limestone – cream, fine crystalline, to sucrosic and friable, chalky in part, very slight show of light oil stain to a rainbow, odor noted.
TORONTO	3271-3275	Limestone – same as above.
LANSING - K.C.		
(A-Zone)	3298-3308	Limestone – tan, fine crystalline, to very dense lime, no inter porosity, no show of oil or odor.
(C-Zone)	3325-3332	Limestone – cream to tan, fine crystalline, to dense, poor inter porosity, no show of oil or odor.
(D-Zone)	3342-3352	Limestone – cream to tan, fine crystalline to oolitic in part, fair to poor inter porosity, slight show of light oil stain, odor when broken.
(E-Zone)	3365-3370	Limestone- white to cream, fine to medium crystalline, fair to poor inter porosity with a slight stain and fair odor.
(F-Zone)	3372-3380	Limestone – same as above, slightly oolitic.
(G-Zone)	3384-3392	Limestone – same as above with oolicastic, with a show of free oil.
(H-Zone)	3431-3446	Limestone – tan, fine crystalline to very dense and cherty lime, chalky in part, poor to no inter porosity, no show of oil or odor.
(I-Zone)	3452-3464	Limestone – tan to cream, fine crystalline to very dense lime, small show of oolicastic porosity with a small show of light oil stain, faint odor.
(J-Zone)	3471-3476	Limestone – same as above.
(K-Zone)	3502-3508	Limestone – cream to tan, fine crystalline to chalky, no show of oil or odor.

Schmidt #2

D	ase	V	C
D	ase	N.	U.

(L-Zone)

Arbuckle

3528-3536	Limestone – same as above.
3580-3588	Sandy Dolomite- cream to white, fine crystalline to a medium crystalline, sand, clear, sucrosic, friable, fair show of oil stain to free oil in pin point, poor to fair inter porosity, good odor.
3589-3605	Dolomite – cream and white, fine to medium crystalline, fair inter porosity to a sucrosic and friable dolomite, fair show of oil stain to free oil, good odor.
3606-3615	Dolomite- cream, white and grayish, fine to medium and coarse crystalline, fair inter porosity, scattered show of oil stain to a free oil, fair odor, scattered barren dolomite in part.
3616-3625	Dolomite- same as above.

## **Remarks and Conclusion**

During the drilling of the Schmidt #2, due to the fact of the high structure in the Arbuckle and fair show of free oil and good odor, operator of Habit Petroleum decided to set pipe to further test subject well Schmidt #2.

Respectfully submitted,

ware Suchhs

Duane Stecklein, Geologist

	DELI	DELIVERY TICKET 312616				
	DATE SHIP	and the second		F.O.B.	PREPAID FINAL WELL	
	/SERVICE MUD INC.			HOUSE		COLLECT
100 S. Main, Suite 310 • Wichita, KS 67202 • 316	Hay	11 4	>	WELL SITE D	TICKET	
SOLD TO Habit	SHIPPED	9/15#	1	Schmid	+#2	
ADDRESS		SHIPPED \			Ellis K	
CITY, STATE, ZIP		ORDER NO	).	27187	SEC TWN 12 15	RNG
PRODUCT	· PACKAGE SIZE	QUANTITY	PRICING	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE-SOLID				an tana amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o a		
8 II Emergency Contact: CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#		Bag			
2. Mud-Co Gel	100#	175	Bag			
3. Salt Clay	50#		Bag			
4. Mud-Co Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	50#		Bag			
7. Soda Ash	50#	7	Bag			
8. Lignite	50#	5	Bag			
9. Dyna Pac	50#	2	Bag			
10. Desco	25#		Bag			
11. Co-Poly L	5gal					
12. X-Cide 102W	5gal					
13. New Start						
14.						
15.						
16.	-					
17.						
18.						
19.						
20. Trinedy						
21.						
						·
MATERIAL RECEIVED IN GOOD ORDER TRUCK #	MILEAGE			SUB TOTAL		
DATE RECEIVED	@			SALES TAX		
	@					
10-31-R	@			TRANSPORTATI	ON	
PÜRCHASE AUTHORIZED BY						
	NSPORTATION RGES				TOTAL	

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; CANARY - WAREHOUSE

PLEASE PRESS FIRMLY: YOU ARE MAKING FOUR COPIES

MMD-QQ A		1		<b>RY TICKET</b> 312611						
	mo	DATE SHIP	and the second	2	F.O.B.	PREPAID FINAL WELL				
/Sedvice A		DELIVERIN	3HT	IOUSE		COLLECT				
100 S. Main, Suite 310 * Wichita, KS 67202 * 316-	-264-2814		VS, KS		WELL SITE					
SOLD TO Habit		SHIPPED T		lds#1	WELL NAME & ND #7					
ADDRESS		SHIPPED V			COUNTY STATE	-				
CITY, STATE, ZIP		ORDER NO	$\frac{UU}{V}$	*	SEC TWN	RNG 18				
PRODUCT	PACKAGE	QUANTITY	PRICING	CODE	UNIT	AMOUNT				
	SIZE		LIST		PRICE					
1. UN# 1823 SODIUM HYDROXIDE-SOLID										
8 II Emergency Contact: CHEMTREC 1-800-424-9300										
1-800-424-9300 Customer Number: CCN657797	50#	11	Bag							
2. Mud-Co Gel	100#	105	Bag							
3. Salt Clay	50#		Bag		1					
4. Mud-Co Starch	50#		Bag							
5. Lime	50#	6	Bag							
6. Cotton Seed Hulls	50#	117	Bag							
7. Soda Ash	50#	17	Bag							
8. Lignite	50#	8	Bag							
9. Dyna Pac	50#	3	Bag							
10. Desco	25#	2	Bag							
11. Co-Poly L	5gal	1								
12. X-Cide 102W	5gal									
13. transfer										
14.										
15.										
16.										
17.										
18.										
19. Trinedy										
20.										
21.										
22.						-				
MATERIAL RECEIVED IN GOOD ORDER TRANS	SPORTATION	CHARGES	;	SUB TOTAL						
TRUCK #	MILEAGE	FR	MC							
DATE RECEIVED	@		5 5 5 5 5	SALES TAX						
10 210	@		3 5 5 5							
10-5-12	@			TRANSPORTATI	ON					
PURCHASE AUTHORIZED BY										
	NSPORTATION ARGES				TOTAL					

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; CANARY - WAREHOUSE

PLEASE PRESS FIRMLY: YOU ARE MAKING FOUR COPIES

		DELI	312692							
AUD-CU/PEDRIAG M	<b>m</b> D	DATE SHIP	8-12	)	F,O.B.	PREPAID FINAL WELL				
Seduce A		DELIVERIN			WAREHOUSE	COLLECT				
100 S. Main, Suite 310 • Wichita, KS 67202 • 316-	-204-2814	Hay	'S							
Flab: + Petroleum			12-#	: 1	WELL NAME & NO SCHMILT # 2					
ADDRESS		SHIPPED V			COUNTY, STATE					
CITY, STATE, ZIP		ORDER NO	).		SES TYS	RNG				
PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT				
1. UN# 1823 SODIUM HYDROXIDE-SOLID										
8 II Emergency Contact: CHEMTREC 1-800-424-9300										
1-800-424-9300 Customer Number: CCN657797	50#	4	Bag							
2. Mud-Co Gel	100#	105	Bag							
3. Salt Clay	50#		Bag							
4. Mud-Co Starch	50#		Bag							
5. Lime	50#	5	Bag							
6. Cotton Seed Hulls	50#	87	Bag							
7. Soda Ash	50#	4	Bag							
8. Lignite	50#	6	Bag							
9. Dyna Pac	50#	2	Bag		f 1 1 1 1 1 1					
10. Desco	25#	2	Bag							
11. Co-Poly L	5gal									
12. X-Cide 102W	5gal									
13. Final Count										
14.										
15.										
16.						-				
17.										
18.										
19.										
20.										
21.										
22. GL						-				
MATERIAL RECEIVED IN GOOD ORDER TRANS	PORTATION	CHARGES	3	SUB TOTAL						
TRUCK #	MILEAGE	FR	ОМ							
DATE RECEIVED	@			SALES TAX						
	@		1							
	@		1 5 1 5	TRANSPORTAT	ION					
PURCHASE AUTHORIZED BY		4			TOTAL					
	NSPORTATION NRGES									

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; CANARY - WAREHOUSE

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Mud-Co / Service Mud Inc.

Well         Schmidt #2         Elev. 2010 GL est.         Location	Operato		Habit	Petrole	eum, L	LC.		County	Ellis		State	Kansas		Pump	6	× .	14	x	56	SPM			2 <u>318</u> ft.
Blockpoint         Hays, Kansa         Date         11/1/2012         Engineer         Gary Schmidtberger         Colir         6.25         in         233         n.         324 <ftaminra.< th="">         Totel Depin         366           print         termin         vescentry         termin         termin         vescentry         termin         termin         termin         termin         termin         vescentry         termin         termin         termin         termin         termin         termin         termin         termin</ftaminra.<>	Well		Schm	idt #2	Elev	. 2010 (	GL est.	Location								GPM	1		7.22	BPM			
Stockpoint         Hays, Kansa         Date         11/1/2012         Engineer         Gary Schmidtberger         Celle         6.25         in         233         in         324 <fram.< th="">         Totel Date         366           prime         meent         weent         veent         <t< td=""><td>Contract</td><td>or</td><td>Shield</td><td>s Oil P</td><td>roduce</td><td>ers, Inc.</td><td>#1</td><td>Sec</td><td>12</td><td>TWP</td><td>15S</td><td>RNG</td><td>18W</td><td>D.P.</td><td>4.5</td><td>in.</td><td></td><td></td><td>178</td><td>FT/MIN R.A.</td><td></td><td>" @</td><td>0ft.</td></t<></fram.<>	Contract	or	Shield	s Oil P	roduce	ers, Inc.	#1	Sec	12	TWP	15S	RNG	18W	D.P.	4.5	in.			178	FT/MIN R.A.		" @	0ft.
Internet         Interne         Internet         Internet	Stockpo	nt	Hays,	Kansa	Date	11/1	/2012	Engineer	Ga	ary Schi	midtbei	ger		Collar	6.25	_in.	233	ft.	324	_FT/MIN R.A.		Total Depth	<u>3660'</u> ft.
Image         Base         Base         Image         Amage         A	DATE	DEPTH	WEIGHT		VISCO	OSITY	GELS	рН	FILTE	RATIONFILT	RATION AN	ALYSIS		SAND		RET	ORT	L.C.M.	Pump	CUMULATIVE			
10/30         0 <td></td> <td>feet</td> <td>lb/gal</td> <td>Sec API</td> <td>PV</td> <td>Yp</td> <td>10 sec /</td> <td>Strip _</td> <td>ml</td> <td>Cake</td> <td>Pres.</td> <td>СІ</td> <td>Ca</td> <td>%</td> <td>Solids</td> <td></td> <td></td> <td></td> <td></td> <td>COST</td> <td>REMA</td> <td>RKS AND TREATME</td> <td>NT</td>		feet	lb/gal	Sec API	PV	Yp	10 sec /	Strip _	ml	Cake	Pres.	СІ	Ca	%	Solids					COST	REMA	RKS AND TREATME	NT
11/12         123         10.1         30         6.0         NC         128         Hvy         5.0         96.0         Tr         11.63         Drdg.         approx.25 bbls.           11/15         1233         9.6         30         6.0         NC         77m         Hvy         5.0         96.0         Tr         11.63         Drdg.         approx.25 bbls.           11/15         1233         9.6         30         6.0         NC         77m         Hvy         5.0         96.0         Tr         11.63         Drdg.         approx.25 bbls.           11/16         31.43         9.3         51         12         20         11/15         10.5         8.0         1         3.900         Tr         7.0         93.0         NII         4.765         Drdg.         Thi/Log           11/17         3660         9.3         55         12         28         To 20         10.0         8.0         Tr         7.0         93.0         NI         4.765         Drdg.         NU         Arrow Filled Arrow Fill				@F	@F		10 min.	Meter _	API	32nds	#/BBL	ppm	ppm		%	%	%		PSI				-
1113     1223     10.1     30     6.0     NC     18m     Hvy     9.0     NI     424     Drg.     approx.25 bbs.       1144     2135     9.6     30     6.0     NC     77m     Hvy     5.0     95.0     Tr     11.65 Drlg.       1172     223     9.7     25     12     20     11.7     5.0     95.0     Tr     11.65 Drlg.       1174     223     9.3     55     1.2     20     11.7     11.65 Drlg.     11.7     7.0     93.0     NII     4.765 Drlg.       1174     3260     3     5     1.2     28     10.20     10.0     1     3.900     Tr     7.0     93.0     NII     4.765 Drlg.       1173     3660     3     5     1.2     28     10.20     10.0     1     3.900     Tr     7.0     93.0     1     5.995 Final: LTD - 3663'. No DST's. Logs Ok       1173     3660     4 <td></td> <td>000</td>																							000
11/14       2135       6 6       0 NC       72m       Hvy       5.0       95.0       Tr       1.163       Drig.         11/16       2720       9.5       29       6.0       NC       74m       Hvy       4.2       95.8       NII       4.765       Drig.         11/16       343       9.3       51       12       20       11/15       10.5       8.0       1       3.900       Tr       7.0       93.0       NII       4.765       Drig.         11/17       3660       9.3       55       12       28       10/20       10.0       8.0       1       3.900       Tr       7.0       93.0       1       5.995       Final: LTD - 3663'. No DST's. Logs OK         11/18       3660             5.995       Final: LTD - 3663'. No DST's. Logs OK         11/18       28                5.995       Final: LTD - 3663'. No DST's. Logs OK         11/18       28																							
11/6       2720       0.5       29       6.0       NC       74m       Hvy       4.2       95.8       Nil       4.765       Drig.         11/6       3343       9.3       51       12       20       11/15       10.5       8.0       1       3.900       Tr       7.0       93.0       Nil       4.765       Drig.         11/7       3660       9.3       55       12       28       10/20       10.0       8.0       1       3.900       Tr       7.0       93.0       Nil       4.765       Drig.         11/8       3660       1       3.900       Tr       7.0       93.0       Nil       4.765       Drig.         11/8       3660       1       3.900       Tr       7.0       93.0       Nil       4.765       Drig.         11/8       3660       1       1.200       10.0       8.0       1       3.900       Tr       7.0       93.0       Nil       4.765       Drig.         11/8       3660       1       1.200       10.0       8.0       1       3.900       Tr       7.0       93.0       Nil       4.765       Drig.       10.160       10.160       10.160 <td>and the second se</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>424</td> <td>Drlg.</td> <td>approx. 25</td> <td>obis.</td>	and the second se							1												424	Drlg.	approx. 25	obis.
1116       333       9.3       51       12       20       11/15       8.0       1       3.900       Tr       7.0       93.0       Nil       4.766       Drig.         1117       3660       33       55       12       28       10/20       10.0       8.0       1       3.900       Tr       7.0       93.0       1       5.995       Final: LTD - 3663: No DST's. Logs Ok         11/8       3660       1       3.900       Tr       7.0       93.0       1       5.995       Final: LTD - 3663: No DST's. Logs Ok         11/8       3660       1       3.900       Tr       7.0       93.0       1       5.995       Final: LTD - 3663: No DST's. Logs Ok         11/8       3660       1       10.0       8.0       1       3.900       Tr       7.0       93.0       1       5.995       Final: LTD - 3663: No DST's. Logs Ok         11/8       10.0       1       10.0       1       10.0		2135	9.6																				
11/7       3650       9.3       55       12       28       10/20       10.0       8.0       1       3.900       Tr       7.0       93.0       1       5.995       Tiolar       LOg 5(8)       No DSTs. Log 5(8)         11/8       3600       1       3.900       Tr       7.0       93.0       1       5.995       Tiolar. LTD - 3663'. No DSTs. Log 5(8)         Nun Casing.       1												a contra constra					- A State of the second second						
11/8       3660       1       5,985       Final: LTD - 3663; No DSTs. Logs OK         11/8       3660       1       1       1       1       1         11/8       3660       1       1       1       1       1       1         11/8       1	11/6				100000	in the second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								and the second se								
Ind       Occol       Run Casing.         Ind				55	12	28	10/20	10.0	8.0	1		3,900	Tr		7.0		93.0	1		5,995	TOH/t/Log	N. DOT	
MUD-C0 / SERVICE MUD INC.         Mater         Ma	11/8	3660																		5,995		. No DST's.	Logs Ok.
MUD-CO / SERVICE MUD INC.       Mater         C/S HULLS       C/S HULLS         CAUSTIC SC         100 S. Main Suite #310         Wichita, Ks. 67202         316/264-2814 Fax: 316/264-5024													1								Run Casing.		
MUD-CO / SERVICE MUD INC.       Mater         C/S HULLS       C/S HULLS         CAUSTIC SC         CO-POLY-L         Wichita, Ks. 67202         316/264-2814 Fax: 316/264-5024																							
MUD-CO / SERVICE MUD INC.       Mater         C/S HULLS       C/S HULLS         CAUSTIC SC         100 S. Main Suite #310         Wichita, Ks. 67202         316/264-2814 Fax: 316/264-5024					1																		
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Mub       Mater         Mub-co / SERVICE MUD INC.       C/S HULLS CAUSTIC SC CAUSTIC SC 100 S. Main Suite #310 Wichita, Ks. 67202       C/S HULLS CAUSTIC SC DRILL PAK       Estimated Volume: 750 bbls.         316/264-2814 Fax: 316/264-5024       LIME PREMIUM G SODA ASH       PREMIUM G       Image: Composition of the second of the																					Reserve Pit, Chl c	ontent ppm:	73000 ppm.
MUD-CO / SERVICE MUD INC.       C/S HULLS         CAUSTIC SC       CAUSTIC SC         100 S. Main Suite #310       CO-POLY-L         Wichita, Ks. 67202       DRILL PAK         316/264-2814 Fax: 316/264-5024       LIME         PREMIUM G       SODA ASH	-							1	1	1													
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Wichita, Ks. 67202     DRILL PAK       316/264-2814 Fax: 316/264-5024     LIME       PREMIUM G     SODA ASH		100	0.14-		#040		CAUST	IC SC															
316/264-2814 Fax: 316/264-5024 LIME PREMIUM G SODA ASH							DBILL																
PREMIUM G SODA ASH						204					14-19										Total Main		1 1 1 1 1 1 1
SODA ASH	3	16/264	-2814	-ax: 316	1264-50	024															And the second se		
O BEAT AGE																					a service of a second	and the second	The second a second
DRILLING MUD RECAP ISUPER LIG											- 10											Contraction State -	
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TOTAL dost								A DESCRIPTION OF THE													TOTAL	men linet	
														and the			Companya Santa				Service and the service and the service and	manager of a second stranger	

# QUALITY WELL SERVICE, INC. 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

Sec. Twp. Range					County	On Location	Finish					
Date 11-2-12	17	16	18	E	Ilis	KS		41:00 - 4:30				
Lease Schmidt	V	/ell No.	2	Locati	on Hay's	45 55 2E 11	25 Einto					
Contractor Sheild's #	- 2			1997 BS.	Owner							
Type Job Surface			*		To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish							
Hole Size 12/14		T.D. 3	321		cementer an	d helper to assist owr	ner or contractor to d	o work as listed.				
Csg. 85/8		Depth	318		Charge Habit Petro							
Tbg. Size		Depth			Street							
Tool		Depth			City		State					
Cement Left in Csg. 15	C+	Shoe Jo	pint			s done to satisfaction an		agent or contractor.				
Meas Line		Displac	e 19.5		Cement Amo	ount Ordered 200 s	x com 3%	(C 2% oge				
	EQUIPM	IENT										
Pumptrk No. 8	6		Cody		Common	200						
Bulktrk No. 4			Neale		Poz. Mix		and the second second					
Bulktrk No.			Gel. 4									
Pickup No.					Calcium	7	and the states					
JOB SE	RVICES	& REMA	RKS		Hulls							
Rat Hole					Salt							
Mouse Hole			4		Flowseal							
Centralizers					Kol-Seal							
Baskets		X			Mud CLR 48		A DE MAL					
D/V or Port Collar					CFL-117 or (	CD110 CAF 38		· · · ·				
Run 7 sts of 1	35/8 0	asino	and land	ling	Sand		used a prostant start of the					
7+			)	J	Handling ALD							
The state of the state of the	inguniar	Constants	ten real tailling	and so a	Mileage							
Est Circulation	wit	hmi	id pump	1'	FLOAT EQUIPMENT							
	a perifika	5 <sub>1</sub> -	1 1		Guide Shoe							
Hook up and r	nivido	) sy -	- shut dou	NN	Centralizer							
release plug ane	l dis	019.5b	61 of 1+20	0	Baskets							
1 - 1	1				AFU Inserts							
Shut in @ 200	ps:				Float Shoe							
	1				Latch Down			an des senten				
					8-	5/8 wooden	Plug	Typud Thema The				
Cement Did (	ircul	ate!	4									
					Pumptrk Cha	rge SULFac	。)	State in the second				
		a herti i			Mileage	8						
	The	ink	You'				Тах					
			X	STED			Discount	101.01.256.000000				
X Signature	ni 1 1	ng	1	-	The later in the second		Total Charge					
1		-						Taylor Printing, Inc.				
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second a second se	ices, Inc.	Ā	HARGE TO: NDDRESS	IP CO			TICKET         Nº       21961         PAGE       OF         1       2_						
SERVICE LOCATIONS 1. Hays K 2. N = 5.5 C' H 3. 4. REFERRAL LOCATION	WELL/PROJECT NC K, TICKET TYPE SALES WELL TYPE INVOICE INSTRUCT	2 INTRACT	ror <u>icld</u> We		hmidt Ellis RIG NAMEINO. Lopmant 2-stage	KS	CITY DELIVERED TO Location WELL PERMIT NO.		DATE OWNER 11-2-12 Same ORDER NO. WELL LOCATION				
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCOUNTING	DF	DESCRIPTION		QTY. U/M	QTY.	UA				
575		1			MILEAGE #111		201						
579		1			Pump Charge (2-stage	)	10 11,	3660	7				
221		1			KCL KCL	/	4/201	2660					
280 28	1	1			Mudflush		500 001	1	, les , les				
290		1			D-AIT		3 941		25-00 35-00				
402		1			Centralizers		8 cg	5-12	/1				
403		1			Baskets		2.cg		200 1 500 20				
407		1		1	Insert Float Shoe u / t	2.11	1,29	( ]	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
408		1			DV Tool w/ Plug set		1/24		2797 2 200				
417		1			D.V. I. D. Plug + Balle	_	109		The second se				
					and a property		104		And a second				
The second se													
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions. MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS X DATE SIGNED 11-7-12 TIME SIGNED A AM.					SWIFT SERVICES, INC. P.O. BOX 466	IR EQUIPMENT THOUT BREAK E UNDERSTOO TY YOUR NEED IR SERVICE W. RFORMED WIT D PERFORMED LCULATIONS TISFACTORILY E YOU SATISF	D AND S? AS THOUT DELAY? HE EQUIPMENT D JOB '? IED WITH OUR SERVICE YES	? 	A				
SWIFT OPERATOR		R ACC	and the second se	F MA Rovai	FERIALS AND SERVICES The customer hereby acknowledg		TOMER DID NOT WISH T						

SWIFT PO Box 466.				TICKET CONT		TICKET No. 2196					
Service		s City, KS 67 : 785-798-23		CUSTOMER HABit PEt,	roleum	WELL # 2 Sch	midt	DATE 1-7-12 PAGE 2 052			
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNT	DF TIME	DESCRIP		QTY. U/M	QTY. U/M	UNIT			
325		2		Standard Ce,	ment	150 sks		13			
330		2		Standard Ce, SMP Comen	+	175 ×ks		16.8			
276		2		Flacele		75 #	4 #/sk	2100			
283		2		Salt		750 FF	10 %				
284		2		Calseal	\$	3 sks	5%	25 000	7		
286		2		Halad-1		70 #	12%	7 150			
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			11								
581		2		SERVICE CHARGE	225010	CUBIC FEET		- 101	100		
581 583		2		MILEAGE TOTAL WEIGHT CHARGE 32820	325 sks LOADED MILES	TON MILES UG	2.5				
				CMARGE 32820	30	-17	410				

JOB LO			1		the second second second second second second second second second second second second second second second se	the second s	ices, Inc.	DATE 1-7-12 PAGE NO
Habit	- Potr	aleum	WELL NO.	2	LEASE	mid	t JOB TYPE 2-stage	TICKET NO. 21961
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR	E (PSI) CASING	DESCRIPTION OF OPERA	TION AND MATERIALS
	1330						on loc w/ FE	-
							RTD 3660' L	TD 3663'
							52"×14#×3659	
							Cent, 1,3,5,7,9,11,	13,63
					ļ		Bask, 2,64	,
							DV 64Q 1211'	
	31-22							
	1650						Start FE	
	1840						Break Circ	
	1910	5	0				al 10 M 500	gal Mudflash
	1 4/0	5	0 32/0	<u> </u>		200	Startfreflushes 20	bbl Kelflash
	1922		36			200	Start 150 sks Et	9-2
	1925		36				End Cency + Wash P&L / Drop	IN DI
	1928	6	D			200	Start Displacemen	+ D, 1149
	1938	5	5.9			250	Catch Cement 1.	startkel 1 tral
	1944		88,5			20 0	Land Plug	statt h h last up
			001-				Release pressure	
							FloatHeld	and a substantian and a substantian data and a substantian data and a substantian data and a substantian data a
	19978						Drop Opening Pla	19
	A50						Plug RH++MH	1
	2000					1100	Open D.V.	
	2005	6	0			150	Start 130sks SM	1D Cement
	2017		75				EndCement	
							Drop Closing Plu	9
	2020	5	0			150	Start Displacence	ent
	2034	4	19			250	Circ Cement	
	2027		29.5		9	100	Land Plug	
							Close DU lool	
							Release Pressur	e DV Closed
							CITC 20sks T	opi
							TI	
						A	Inank you	
							Nick David E	a R. L
							Mick Daviat	, TNOD

**RÉMIT TO:** 

2286 West 1600 South • P.O. Box 335 • Roosevelt, Utah 84066 • (435) 725-2344 3710 Freedom Road • Trinidad, Colorado 81082 • (719) 846-7087 1023 Reservation Road • Hays, Kansas 67601 • (785) 621-4604

LLC

8187

The Perforators

Charge To;	Habi	+ 1	Petro le	um	lice			ate			
Address:											
Lease and Wel	INO. Sc	hmidt	# 2		F	Field /	eiker	- Fas	,T	8	
Nearest Town	Hays				Co	ounty	Ilis	S	tate <u>E</u>	This	
Nearest Town	der No	R. Ha	se thors	+	Sec	12	Twp.	155	Range	18.	V
Zero											
Customer's T.D	366	0'	1	The Perforat	tors, LLC T.D.	3663	Flu	id Level			
Engineer											and the supervision of the
		forations					Truck				
Code Reference	From	То	Number Of Holes	Amount	Code Reference	Uni	t	File Nan		Sec. 1	
					100	Toy	15			C. A. C.	
					Carda		Serv	ices			
					Code Reference	From	То	No. Feet	Sup 12		
		Name of Contract of Contract, Name of Contract,			358.1	00	3263	3663			0.0
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					Please Pay Fr	om i nis inv	VOICE		1		
Received the Customer	& Alasel	faut	G	eneral Terms a	pecified below, w						

(2) Because of the uncertain conditions existing in a well which are beyond the control of The Perforators, LLC, it is understood by the customer that The P guarantee the results of their service and will not be held responsible for personal property damage in the performance of their services.

(3) Should any of The Perforators, LLC instruments be lost or damaged in the performance of the operation requested, the customer agrees to make every recover same, and to reimburse The Perforators, LLC for the value of the items which cannot be recovered, or the cost of repairing damage to items rec (4) It is further understood and agreed that all depth measurements shall be supervised by the customer or its employees and customer hereby certifies that

(4) It is further understood and agreed that all depth measurements shall be supervised by the customer or its employees and customer hereby certifies that approved.
(5) The customer certifies that it has the full right and authority to order such work on such well and that the well in which the work is to be done by The Performance of the supervised o

and suitable conditions for the performance of said work.

(B) No omnouse is authorized to alter the terms or conditions of this arreament