

Kansas Corporation Commission Oil & Gas Conservation Division

1099311

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:	SecTwpS. R
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: ()	□NE □NW □SE □SW
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. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: 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
ENHR Permit #:	County: Permit #:
GSW Permit #:	. 5
Spud Date or Date Reached TD Completion Date or Recompletion Date 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.

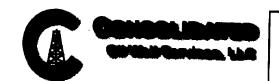
Submitted Electronically

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



Operator Name:			Lease Name	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether s it, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc. Type of	# Sacks	Type and Percen
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.		Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	d		Type and F	Percent Additives	
Shots Per Foot	PERFORATIO Specify F				cture, Shot, Cement mount and Kind of Ma	•	d Depth	
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole	METHOD OF COM	MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify)						



REMIT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346

MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

INVOICE

Invoice #

252129

Invoice Date: 08/17/2012 Terms: 5/5/30,n/30

Page

1

MISCELLAMEOUS ACCOUNTS THE EMERGY 28906 ORCHARD RD

PAOLA KS 66071

)

PATTERSON #11

39508

32-15-21

08-14-2012

KS

		****************		44442222222	
Part 1124 1118 1111 4402	Rumber B	Description 50/50 POZ CEMENT MIX PREMIUM GEL / BENTONITE SODIUM CHLORIDE (GRANULA 2 1/2 RUBBER PLUG	Qty 114.00 328.00 262.00 1.00	Unit Price 10.9500 .2100 .3700 28.0000	Total 1248.30 68.88 96.94 28.00
Suble 9996 9995	—— ·	Description CEMENT MATERIAL DISCOUNT CEMENT EQUIPMENT DISCOUNT			Total -72.11 -73.00
548 666 666 666	Description MIN. BULK DES CEMENT PUMP EQUIPMENT MIS CASING FOOTAGE	LEAGE (ONE WAY)	Hours 1.00 1.00 20.00 791.00	Unit Price 350.00 1030.00 4.00 .00	Total 350.00 1030.00 80.00

Amount Due 3014.60 if paid after 09/16/2012

.00		.00	· · · - · · · - ·	106.86 2863.87	AK	2863.87
_	-145.11	.00 Misc: -145.11 Supplies:	-145.11 Supplies: .00	-145.11 Supplies: .00 Change:	.00 Misc: .00 Total: 2863.87 -145.11 Supplies: .00 Change: .00	.00 Misc: .00 Total: 2863.87

Signed Date

BARTLESVILLE, OK EL DORADO, KS 918/338-0606 316/322-7922

EUREKA, KS 620/583-7664

PONCA CITY, OK 580/762-2303

OAKLEY, Ks 785/672-2227

OTTAWA, K8 785/242-4044

THAYER, K8 620/839-5269

GILLETTE, WY 307/636-4914



TICKET NUMBER	39508
LOCATION Deca	warks
FOREMAN To	

PO	Box	884,	Chai	nute,	KŞ	66720
320	431	-9210	~	900-	167.	0676

FIELD TICKET & TREATMENT REPORT

DATE CUSTOMER WELL NAME A NUMBER SECTION TOWNSHIP RANGE COUNTY DEFLOTOR WITH PROPERTY OF THE		or 800-467-8676)		CEMEN	łT			
DISTORMEN MALING ADDRESS AMELING ADDRESS J 8906 Ochand Rd STATE EPCODE J 8906 Ochand Rd LLEG GARMON LLEG GARMON J 8906 Ochand Rd LLEG GARMON LLEG GARMON J 8906 Ochand LLEG GARMON LLEG G	DATE	CUSTOMER#	WELL NAM	& NUMBE	R		TOWNSHIP	RANGE	COLINTY
MALING ADDRESS MALING ADDRESS	08-14-12		Patrerson	# /	77	?>			
ARLING ADORESS 28906 Ochard Rd STATE PIPCODE TUBING COMENT LEFT IN CASING SIZE & WEIGHT 25" ASING DEPTH 2900 CASING SIZE & WEIGHT 25" MILE ASING SIZE & WEIGHT WITH 25" ACCOUNT CODE ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT MILE ASING SIZE AND SI	CUSTOMER	TNIT							
2896 Ochard Rd Paola STATE	MAILING ADDRE	SS	Frengy			TRUCK#	DRIVER	TRUCK#	
STATE PP COCE Account	_		Land Del	ľ		69	Tim have		
Paola ES 66071 OBTYPELDING TOTAL HOLE DEST HOLE DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOP HOLE DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOP HOLE DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TO ALL STOP HOLE DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TO ALL	CITY	100 00		ODE		666	GacMos		
OB TYPE ON A STONE HOLE SIZE IN HOLE DEPTH POO CASING SIZE A WEIGHT 25 TH ASING DEPTH POO CASING SIZE A WEIGHT 25 TH ASING DIRLL PIPE TUBING OTHER DIRLL PIPE TUBING OTHER DIRLL PIPE TUBING OTHER DIRLL PIPE TUBING OTHER DISPLACEMENT PSI MIX PSI RATE EMARKS: & HELD CY CON RECTURE E CYLDICS & Jump 1 a te. Mix and function of the first of the fi	1	/_				518	Mik Hag		
ASING DEPTH 79/ DRILL PIPE TUBING OTHER LURRY WEIGHT SLURRY VOL WATER PANDE CEMENT LEFT IN CASING SEPACEMENT DISPLACEMENT PSI MIX PSI RATE EMARKS: # Held Cy CW RECTURE FYSHISK JUMP NATE, MIX AND LULLY 100. SEPACEMENT LIFE WATER PRINCIPLY SA THE BEZ MIX COMENT WITH 27 LAS TO MILT. CIDCULATER COMENT. FLUCK PRINCIPLY COMENT WITH 27 LAS TO MILT. CIDCULATER COMENT. FLUCK PRINCIPLY CHARGE TO THE AST COMENT. FLUCK PRINCIPLY OF WATER AND THE TOTAL STYLE AST COMENT. FLUCK PRINCIPLY OF WATER AND THE TOTAL STYLE AS A MILEAGE REMOVED WATER PRINCIPLY OF WATER AND THE STYLE AS A MILEAGE REMOVED WATER AND THE STYLE AS A MILEAGE WATER AND THE STYLE AS A MIL			~ 60	77			er Suppli	18 HZU	
LURRY WEIGHT SLURRY VOL WATER SAVEN CEMENT LEFT IN CASING SPILACEMENT DISPLACEMENT PSI MIX PSI RATE EMARKS: S. HELD CY CW. MICCI LIP. ECYLOGISK PUMP PATE. MIX CAMEN LUMIN 1800 STANKET. SILVEN CY CW. MICCI LIP. ECYLOGISK PUMP PATE. MIX CAMENT WITTE 270 STANKET. CITCULAYER COMENT. ELUIA PRINT CYCLAR SI CEMENT. HUME AS NUMBER PLAY TO TETAL SHIPLY OF CASING PRODUCT WHIT PRICE TOTAL ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOCK ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOCK ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOCK ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOCK ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOCK ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE GUANTY OF UNITS OF COMENT OF CODE GUANTY OF		10011				1800	CASING SIZE &	WEIGHT 3	3"
SPLACEMENT DISPLACEMENT PSI MIX PSI RATE EMARKS: # Held Cy ow Receing E cyclick fund nate. Mix and fund 100 is Ciel to Fluch hade. Mix and fund fund 100 is Signific. Check the control of the fund fund of the	_							OTHER	
EMARKS: I Held Cyon receive Ectablish fump nate. Mix and fung/80 (set to flushook. Mix and fung/180) (set to flushook. Emark Charast Charast Charast Lucy 250 Number plus to total sight of Casing Frontine metro 800 PST with heldgall Cot Claut. ACCOUNT QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOLL AND MILEAGE Pump TK. SYOT ON E PUMP CHARGE CAMENT Pump 1030 STOLL SYOT Min Bulk for Mileage 350 TM YOU 191 Casing the factor of NIC United NIC United 10 NIC United Stoll NIC United S					_	k	CEMENT LEFT IN	CASING	
Gel to Fluis hak. Mix and sumplified to the Politic Coment with 2% of 18 MIT. CIRCULATED COMENT. Fluid Pump Chan as coment with 2% of 25 Rubber plus to tetal depth of Casing Pressure mero 800 PST well held good of Clour. ACCOUNT CODE QUANTIY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL 5701 On a PUMP CHARGE COMENT Pump 1030 PST 1030 PS		-					RATE		
ACCOUNT CHANGE CEMENT. FINCH PRINT CHAIR SE CEMENT WITH 2% LAS' RUDDED PLAY TETAL SEPTEMBLES OF PRODUCT UNIT PRICE TOTAL OCCUMNT CODE CHANGE CEMENT PUMP CHARGE CEMENT PUMP (1030) SYOL ON C PUMP CHARGE CEMENT PUMP (1030) SYOL NIM BANK TON MICROSC 350 PRODUCT UNIT PRICE TOTAL SYOL NIM BANK TON MICROSC SO PRODUCT UNIT PRICE TOTAL SYOL NIM BANK TON MICROSC SO PRODUCT UNIT PRICE TOTAL SYOL NIM BANK TON MICROSC SO PRODUCT UNIT PRICE TOTAL SYOL NIM BANK TON MICROSC SO PRODUCT UNIT PRICE TOTAL SYOL NIM BANK TON MICROSC SO PRODUCT UNIT PRICE TOTAL SYOL NIM BANK TON MICROSC STORY 1/124 1/4 52 MICROSC STORY 1/124 1/4 52 MICROSC STORY 1/124 1/4 52 MICROSC STORY 1/125 MICROSC STO	REMARKS:	HEILC	ow need in	e Ec	rublis	x fume	are, M.	ix and po	444/60 °
ACCOUNT CODE CHANGE CEMENT FINEL PRINT CLAR OF CENCER IN PROPER WELL HELD GODE TO TEST A SECRETION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOLL TO MILEAGE PRINT THE STOLL TO MILEAGE PRINT THE STOLL TO MILEAGE PRINT THE STOLL	ver to t	-lus 4 Male	mixano	Auny	414 54	1450 P12	MIX Come	INT WIT	
ACCOUNT CODE AC	56 SHL7	CIACU	luted Come	1	Tuch		CAN 68/0		Line
ACCOUNT CODE QUANTTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL SYDI ON C PUMP CHARGE COMENT Pump (1030) 5701 ON C PUMP CHARGE COMENT Pump (1030) 5702 Min Bulk Ton Mileage 350 200 702 791 Casing busting NIC 1124 114 Sk P30 Pol Mik Crack 1 1248 88 11813 203 4 116 min and 1182 1183 803 418 1183 1184 1185 1184 1185 1185 1185 1185 1185	25" Ru	bber plan	+ TOTOTAL	delch	of Co	25/49 B	CISUNK		1057
ACCOUNT CODE ACCOUNT COD ACCOUNT COD ACCOUNT COD ACCOUNT COD ACCOUNT COD ACCOUNT	well h	eldgal	Cof Clour					10 10 10-0	772
ACCOUNT CODE ACCOUNT CODE SYD! ON C PUMP CHARGE CEMENT PUMP SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD				•					
ACCOUNT CODE ACCOUNT CODE SYD! ON C PUMP CHARGE CEMENT PUMP SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD									
ACCOUNT CODE ACCOUNT CODE SYD! ON C PUMP CHARGE CEMENT PUMP SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD									
ACCOUNT CODE ACCOUNT CODE SYD! ON C PUMP CHARGE CEMENT PUMP SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD! MILEAGE PUMP TK SYD! SYD			æ	-00/	11011	1 - 616-			
CODE GUANTY O'UNIS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL 570/ OAC PUMP CHARGE CAMENT PUMP /030 570/ AIM BULLAGE PUMP TK 570/ MIM BULK FON MICOGE 350 402 791 Casing Floring NIC Customer Kao 1/24 114 SA Fron Pour Mix Chara 1288 1/183 23 H Fron Law Law Chara 1288 1/183 25 H Fron Law					121701	mer out			
5401 One PUMP CHARGE CEMENT Pump 1030 5406 20 MILEAGE Pump TK 800 5407 Min Bulk Ton Mileage 350 00 402 791 Casing thetage N/C Ustomer H20 NC 11883 725 # 126 min m Gal 11883 725 # Granufarth 5/7 96.84 11484 28 18 18 18 18 18 18 18 18 18 18 18 18 18	ACCOUNT	OHANTY	LINITE	DE66	DISTION -4			r	T
124 114 Sk 120 124 124 125 1							DBUCT	UNIT PRICE	TOTAL
MILEAGE PLIMETR 540? MILEAGE PLIMETR Bulk Tom Mileage 350.00 102 191 Casing Ebertian NIC (Ustomer H20) NIC (11813 23 H Premium bulk (111 102 H Grandford Str 4402 Dac 25" Rubber Plug 574 (ash Distant 390.2.11 145.11 Faint 17 full 2863.87	5401	Onc	PUMP	CHARGE	Cemen	1 Pul			1030
1/24 114 Se 1/30 Par Mix Craca 1 1248 11813 25 th Grandported Sept 11813 25 th Grandported Sept 11813 25 th Grandported Sept 11402 Onc 25" Rubber Plug 28" 1/102 Onc 25" Rubber Plug 28" 1/10372 Theory 10 1/24 SALESTAX 106.860 1/277 1072 Theory 10 1/24 SALESTAX 106.860 1/277 1072 Theory 10 1/24 SALESTAX 106.860	5406	ع د	MILEA	GE ρ_{c}	ind TK				Spus
1/24 114 Se Pro Pa Mix Concer 1248 1/1813 11813	5407	mil	h /	mlk 7	on M.	lease			310.00
1/24 1/4 114 52 530 Por Mix Concert 12483 1/183 22 4 1/2 concert 1/183 22 4 1/2 concert 1/402 Doc 25 "Rubber Plug 52/45h Distant 2902.11 1/45	102	791	C	51490	Portuge				NIZ
1/24 1/4 114 52 530 Por Mix Concert 12483 1/183 22 4 1/2 concert 1/183 22 4 1/2 concert 1/402 Doc 25 "Rubber Plug 52/45h Distant 2902.11 1/45				March	H20	-			17/5
111813 128 # Premium G. R. 188 1111 262 # Granularid 5/7 96.84 1402 Dac 25"Rubber Plug 28 145.11 Part 17 full 285 2757.01 CF 1072 Thankyou. 784 Sales Tax 106.86 ESTIMATED TOTAL 2863.87				17 UMC	7100				14C
111813 128 # Premium G. R. 188 1111 262 # Granularid 5/7 96.84 1402 Dac 25"Rubber Plug 28 145.11 Part 17 full 285 2757.01 CF 1072 Thankyou. 784 Sales Tax 106.86 ESTIMATED TOTAL 2863.87									
111813 128 # Premium G. R. 188 1111 262 # Granularid 5/7 96.84 1402 Dac 25"Rubber Plug 28 145.11 Part 17 full 285 2757.01 CF 1072 Thankyou. 784 Sales Tax 106.86 ESTIMATED TOTAL 2863.87							· · · · · · · · · · · · · · · · · · ·		
111813 128 # Premium G. R. 188 1111 262 # Granularid 5/7 96.84 1402 Dac 25"Rubber Plug 28 145.11 Part 17 full 285 2757.01 CF 1072 Thankyou. 784 Sales Tax 106.86 ESTIMATED TOTAL 2863.87									
111813 128 # Premium G. R. 188 1111 262 # Granularid 5/7 96.84 1402 Dac 25"Rubber Plug 28 145.11 Part 17 full 285 2757.01 CF 1072 Thankyou. 784 Sales Tax 106.86 ESTIMATED TOTAL 2863.87					4	·			
111813 23 4 Granularia Silt 96.84 1111 762 4 Granularia Silt 96.84 1402 Onc 25" Rubber 1/49 28 145.11 Part 17 full 2863 2757.01 CX 1092 Thankyou 784 SALES TAX 106.86 ESTIMATED TOTAL 2863.87	1124	114	5x 50	o P	a M.	x Concer			1240 20
111 362 4 Granularia 5/7 96.84 1402 Onc 25" Rubber / lug 28" STACK DISCOURT 2902.15 And 17 full 2863 2757.01 CX 1092 Thankyou 784 SALESTAX 106.86 ESTIMATED TOTAL 2863.87	111813	325	H P	Cha:u	14 /2 1	2			15 88
572 (ash Distance 2902.15 145.11 2863 2757.01 CF 1042 Theory 104 SALES TAX 106.86 ESTIMATED TOTAL 2863.87	1111	262	# 61	anula.	11	THE			91 94
572 (ash Distance 2902.15 145.11 2863 2757.01 CF 1042 Theory 104 SALES TAX 106.86 ESTIMATED TOTAL 2863.87	4402	Da	. 2%	IL DI	hhar 1	luc			764
12 fail 12 fall 2863 2757.01 CF 1042 Thankyou 784 SALES TAX 106.86 ESTIMATED TOTAL 2863.87	7.0		7		VUE! /	149			9
12 fail 12 fall 2863 2757.01 CF 1042 Thankyou 784 SALES TAX 106.86 ESTIMATED TOTAL 2863.87							- m	100	2000
12 faul 12 faul 2863 2757.01 CK 1072 Thankyou 784 SALES TAX 106.86 ESTIMATED TOTAL 2863.87					<u> </u>	<u> </u>	- 5 % (H	R Wistow	
CF 1072 Thurty60 784 SALES TAX 106.86 **S737 OM **TOTAL 2863.87			 		1 1 1 1	1.11	75	1785	
TOTAL 2863.87				_ya	17	+44		55	<u> 2757.01</u>
TOTAL 2863.87				1	JH ID	12 -1	11111-00		
TOTAL 2863.87	m 3737			مرب		Thank	YOU 784		1 106.80
		11/h						TOTAL	2863.87
	UTHORIZTION	11/1/		TIT	TLE				ESTATION !

1 scknowledge triatine 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.

252129

DRILL LOG

Operator License# 3 4565	API 15-059-25961-00-00
Operator NT C	Lease Name Patterson
Address	Well # 11
Contractor JTC Oil, Inc.	Spud Date 6 Cement
Contractor License32834	Location of
T.D. 818 T.D. of Pipe 791.7	feet from
Surf. Pipe Size 6 5/8 Depth 20ft	feet from
Kind of Well	County Franklin

Thickness	Strata	From	То	Thickness	Strata	From	To
3	soil	0	3	11	shale	195	206
27	clay/soil	3	30	2	lime	206	208
40	shale	30	70	63	shale	208	271
13	lime	70	83	24	lime	271	295
2	shale	83	85	20	shale	295	<u>315</u>
14	lime	85	99	12	lime	315	327
7	shale	99	106	56	shale	327	383
10	lime	106	116	7	lime	383	390
4	shale	116	120	4	shale	390	394
25	lime	120	145	17	lime	394	411
31	shale	145	176	9	shale	411	420

3 shale 438 441 27 lime 441 468 81 shale 468 549 555 555 13 shale 555 568 4 lime 568 572 27 shale 572 599 11 lime 599 610 33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 651 653 2 good 653 655 2 good 653 655 2 good 655 657 2 little sand 657 659 2 little sand 661 710 31 Little 710 741 2 Shale 741 743 2 Lime 743 745	19	lime	176	195	18	lime	420	438
81 shale 468 549 6 lime 549 555 13 shale 555 568 4 lime 568 572 27 shale 572 599 11 lime 599 610 33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 651 653 2 good 653 655 2 good 653 655 2 good 655 657 2 good 655 657 2 little sand 657 659 2 fosp 661 710 31 Little 710 741 2 Shale 741 743					3	shale	438	441
6 lime 549 555 13 shale 555 568 4 lime 568 572 27 shale 572 599 11 lime 599 610 33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 651 653 2 good 653 655 2 good 655 657 2 little sand 657 659 2 little sand 661 710 31 Little 710 741 2 Shale 741 743					27	lime	441	468
13 shale 555 568 4 lime 568 572 27 shale 572 599 11 lime 599 610 33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 651 653 2 good 653 655 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					81	shale	468	549
4 lime 568 572 27 shale 572 599 11 lime 599 610 33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 649 651 2 good 653 655 2 good 655 657 2 good 657 659 2 little sand 657 659 2 659 661 30 shale 661 710 31 Little 710 741 2 Shale 741 743					6	lime	549	<u>555</u>
27 shale 572 599 11 lime 599 610 33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 651 653 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					13	shale	555	568
11 lime 599 610 33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 649 651 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					4	lime	568	572
33 little oil 610 643 2 little sand 643 645 2 good sand 645 647 2 vgood 649 651 2 vgood 651 653 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 30 shale 661 710 31 Little 710 741 2 Shale 741 743					27	shale	572	<u>599</u>
2 little sand 643 645 2 good sand 645 647 2 vgood 649 651 2 good 653 653 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 30 shale 661 710 31 Little 710 741 2 Shale 741 743				·	11	lime	599	610
2 good sand 645 647 2 vgood 649 651 2 vgood 651 653 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 30 shale 661 710 31 Little 710 741 2 Shale 741 743				-	33	little oil	610	643
2 vgood 649 651 2 vgood 651 653 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 31 Little 710 741 2 Shale 741 743					2	little sand	643	645
2 vgood 651 653 2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					2	good sand	645	647
2 good 653 655 2 good 655 657 2 little sand 657 659 2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					2	vgood	649	<u>651</u>
2 good 655 657 2 little sand 657 659 2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					2	vgood	651	653
2 little sand 657 659 2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					2	good	653	655
2 659 661 80 shale 661 710 31 Little 710 741 2 Shale 741 743					2	good	655	657
80 shale 661 710 31 Little 710 741 2 Shale 741 743					2	little sand	657	659
31 Little 710 741 2 Shale 741 743					2		659	661
	· · · · · · · · · · · · · · · · · · ·		,		80	shale	661	710
					31	Little	710	741
					2	Shale	741	743
					2	Lime	743	745

52	shale	745	<u>797</u>
 5	lime	797	802
16	shale	802	818