KANSAS CORPORATION COMMISSION ORIGINAL CC. OIL & GAS CONSERVATION DIVISION

WELL COMPLETION

September 1999

Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

	NOW 15-051-01694-000
Operator: License # _30553	API NO. 15 = 15054-04687 00 01 0 9 - 000 3
Name: Glenn Unrein dba Unrein Oil Company	County: Ellis
Address: PO Box 1056	C -NW - SW - Sec. 31 Twp. 15 (S.) R. 19 East West
City/State/Zip: Hays, KS 67601	1986 / 1994 feet from (S) N (circle one) Line of Section
Purchaser:	feet from E / W (circle one) Line of Section (C
Operator Contact Person: Glenn Unrein	Footages Calculated from Nearest Outside Section Corner:
Phone: (_ ⁷⁸⁵) <u>628-6231</u>	
Contractor: Name: Professional Pulling Service	(circle one) NE (SE) NW SW// Lease Name: Riedel Well #:4-900
License: NA	Field Name: Weitzel
Wellsite Geologist: NA	Producing Formation: Lansing, Kansas City
Designate Type of Completion:	Elevation: Ground: 2107 Kelly Bushing: 3695'
New Well Re-Entry Workover	Total Depth: 3778 Plug Back Total Depth: 3695'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 1323' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator: Same Operator	feet depth tow/sx cmt.
Well Name: Riedel 10/23/64.	
Original Comp. Date: 1964 , Original/Total Depth: 3778	Drilling Fluid Management Plan WO-AI+ I MK (Data must be collected from the Reserve Pit) 9-19-08
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
✓ Plug Back 3695 Plug Back Total Depth	Dewatering method used
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No. old D,11,412	
Other (SWD or Enhr.?) Docket No. New E-30077	Operator Name:
Changed bld swd b Entir 08-27-08	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec TwpS. R East West
recompletion bate	County: Docket No.:
/	
Kansas 67202, within 120 days of the spud date, recompletion, workov Information of side two of this form will be held confidential for a period of	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, wer or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-s and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regu	late the oil and gas industry have been fully complied with and the statements

merent are complete and correct to the	best of my knowledge.
Signature: Cerry	Uman
A i	A CAT
Title: Owner	Date: 3 -27-08
Subscribed and sworn to before me thi	sday of
~ A8 1 0	
Notary Public:	7. 1
Notary Public:	Mar
Date Commission Expires.	- 18-2011
A Notary Public - State of Kansas	
P-1 :	

KCC Office Use ONLY Letter of Confidentiality Received If Denied, Yes Date: **Wireline Log Received Geologist Report Received** RECEIVED UIC Distribution RECEIVED KANSAS CORPORATION COMMISSION KANSAS CORPORATION COMMISSION

SEP 0 2 2008

AUG 13 2008

CONSERVATION DIVISION WICHITA, KS

CONSERVATION DIVISION INICHITA, KS

Operator Name: Gler	n Unrein dba Unrei	in Oil Com	pany	Lease	Name:	Riedel		_ Well #: <u>4-S\</u>	ND		
sec Twp	56. R	☐ Eas	t ✓ West	Count	y: Ellis						
NSTRUCTIONS: Shested, time tool oper emperature, fluid rec electric Wireline Logs	n and closed, flowing covery, and flow rate	g and shut s if gas to	-in pressures, v surface test, al	vhether s ong with	hut-in pre	essure reached	static level, hydro	static pressur	es, botto	m hole	
Orill Stem Tests Take		Y	es ZNo		M	og Formati	on (Top), Depth a	nd Datum		Sample	
Samples Sent to Geo	·	□ Y	es 🖺 No		Nam	ne /	. , , , ,	Top		Datum	
Cores Taken			es No/		AN	71./01/1	. /s	75			
-		Y	es ZNo		TOP	eka 10	3 7	98			
(Submit Copy)					000	ca KC	369	76			
ist All E. Logs Run:					Dat	apu Su	. /3 30 33 369 d. 373	7 7			
					1566	age Mon	ash 37.	~ ~ >			
					GR	PARITE W	ash 31.	o 5 	237	78'	
			CASING		N						
D	Size Hole	· · · · · · · ·	rt all strings set-c e Casing		urface, inte	ermediate, produc	tion, etc.	# Sacks	Tyne	and Percent	
Purpose of String	Drilled		l (in O.D.)		/Ft.	Depth	Cement	Used		Additives	
Surface	12 1/4	8 5/8		28#		1323'	Common	575			
Production	7 7/8	5 1/2		14#		3723'	60/40 POZ	100			
· · · · · · · · · · · · · · · · · · ·					NA 10-10-10-10-10-10-10-10-10-10-10-10-10-1						
		· · · · · · · · · · · · · · · · · · ·	ADDITIONAL	CEMENT	ING / SQI	UEEZE RECORI)				
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	#Sack	s Used	Type and Percent Additives					
Protect Casing											
Plug Back TD Plug Off Zone											
		<u></u>				<u> </u>					
Shots Per Foot	PERFORATI Specify	ON RECOF	RD - Bridge Plug Each Interval Perl	s Set/Type orated)		cture, Shot, Cemen mount and Kind of Ma		rd	Depth	
	J ZONE 3579-82		. 1			NO STIMULA	ATION				
1	D ZONE 344-47	.Q.	walld-g	ragal	m·						
1	C ZONE 3424-27		Ľ	448/08		KANSAS CO				ECEIVED PORATION COMM	
			<i>\(\psi\)</i>							ALION COMMI	
				- V			· · · · · · · · · · · · · · · · · · ·		AUG_1	3 2008	
TUBING RECORD	Size	Set At		Packer	At	Liner Run		cc	NSERVA	ION DIVISION	
	/8 SEALTITE	3365'		3355'			Yes 🗹 No		WICH	ITA, KS	
Date of First, Resumers WAITING ON AP		Enhr.	Producing Meth		Flowin	g Pump	ing 🔲 Gas Lif	t 🗌 Oth	er (Explair	n)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er E	Bbls. G	as-Oil Ratio		Gravity	
Disposition of Gas	METHOD OF (COMPLETIC	DN .			Production Inte	rval				
Vented Sold	Used on Lease		Open Hole	Per	f. 🔲 I	Dually Comp.	Commingled _				
Į +5/1100, OU			Other (Special	y)					CEIVE		

SEP = 2 2003

UNREIN OIL P.O. BOX 1056 HAYS, KS 67601 785-628-6231

August 12, 2008

Attention: Jerry Knobel

Kansas Corporation Commission Conservation Division Finney State Office Bldg. 130 South Market Room 2078 Wichita, KS 67202

RE: Application to Amend Injection Permit

Design Approval

Application # E- 30077

Reidel ##-SYXO

SW/4-Sec. 31-T15S-R19W

Ellis Co.

Dear Mr. Knobel:

Enclosed please find a completed ACO-1 form. This should conclude the information you requested in order to complete the application to amend injection permit.

If you have further questions or require more information please contact me at the above address or phone number. Thank you in advance.

Sincerely,

Home Morein

RECEIVED KANSAS CORPORATION COMMISSION

AFT 4: 15-051-04687-0002

AUG 13 2008

CONSERVATION DIVISION

Well Completion

Туре:

X Tubing & Packer

Packerless

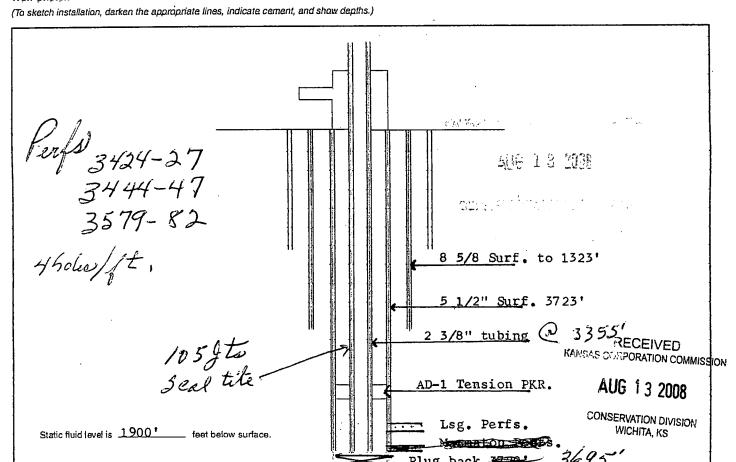
Tubingless

•	Conductor	Surface	Intermediate	Production	Tubing
Size		8 5/8 X 24#		5 1/2" X 14#	2 3/8# Seal-
Setting Depth	4	1323' In Anhy	drite	37 23 '	3365
Amount of Cement	•	575 Sx Common		100 Sx Common	
Top of Gement		Surface		Est. 3270'	
Bottom of Cement		1323'		37 23 '	

If Alternate II cementing, complete the following:

Perforations / D.V. Tool at	feet, cemented to	feet with	
Tubing: Type Sealtite lined 2	3/8"	Grade	J-55
Packer: Type AD-1 Tension			3365'
			10 Gal. in Fresh water
List Logs Enclosed: Gamma/ Neutron	n. Acoustic cement bond	W/ CCL.	

Well Sketch





P.O. Box 87 HAYS, KS 67601-0087 (785) 623-3969 COPY

Invoice

DATE

INVOICE#

4/24/2008

5640

	BILLTO
	The first of the control of the cont
- 31	Unrein Oil Company
:	300 W 40th
	Hays Kansas 67601

SERVICE DATE	DESCRIPTION	:ITÉM.	AMOUNT
4/24/2008	Riedel #4 SWD Ellis County Kansas		
	Perforated: 3424' to 3427' 3444' to 3447' 3579' to 3582'	PERF	1,245.00T
	All zones shot 4 holes per foot using 19 gram Titan Tungsten HSC, 36 holes total.		
		DOM: SA	
	Truck Rental SWD/Inj. Well	Truck set up	445,00Ti 0,00
		an men an an an an an an an	
	RECEIVE KANSAS CORPORATION	D Commission	Just 1
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	CONSERVATION	DIVISION	17773

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Perf-Tec Wireline Services, Inc.

P.O. Box 87 Hays, KS 67601-0087

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DRESS	£ 11 5.	· ^				·			·····
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STOMER'S ORDER NO.				•		p. <u>75</u>	_ RANG	GE <u>/%</u>	المديد
RO									
STOMER'S T.D.	PE	ERF TECH	I T.D. <u>(3</u>	695		FLUIE	LEVEL	182	5
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PERFORATING		and a second			TRUCI	K RENTA	L		
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						c	ONSERVAT	1011	
PLUGS, PACKERS AND C				· · ·			WICH	A, KS	
CODE MFG. CASING REFERENCE TYPE SIZE WEIGHT	DEPTH AMOU	JNT							
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			TOTAL	PAY ERC	JM THIS	INVOICE			

Customer Wouth HULL

General Terms and Conditions

- All accounts are to be paid within the terms fixed by Perf-Tech invoices; and should these terms not be observed, interest at the rate of 1.5% per month will be charged from the date of such invoice. (1)
- (2)
- (3)
- (4)
- from the date of such invoice.

 Because of the uncertain conditions existing in a well which are beyond the control of Perf-Tech, it is understood by the customer that Perf-Tech, cannot guarantee the results of their services and will not be held responsible for personal or property damage in the performance of their services.

 Should any of Perf-Tech, instruments be lost or damaged in the performance of the operations requested, the customer agrees to make every reasonable effort to recover same, and to reimburse Perf-Tech, for the value of the items which cannot be recovered, or the cost of repairing damage to items recovered. It is further understood and agreed that all depth measurements shall be supervised by the customer or its employees and customer hereby certifies that the zones, as shot were approved.

 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 Perf-Tech is in proper and suitable conditions for the performance of said work.





Kathleen Sebelius, Governor Thomas E.-Wright, Chairman Michael C. Moffet, Commissioner Joseph F. Harkins, Commissioner

August 26, 2008

UNREIN, GLENN DBA UNREIN OIL CO 300 W 40TH ST HAYS, KS 67601-1519

RE: API Well No. 15-051-04687-00-01 RIEDEL 4 NWSW, 31-15S-19W ELLIS County, Kansas

Dear Operator:

An affidavit of completion form (ACO-1) on the above referenced well was received on August 13, 2008. Technical review finds that the ACO-1 is incomplete. The information requested below, or an amended/corrected ACO-1, must be submitted by September 12, 2008. Only the current ACO-1 form will be accepted (Form ACO-1, Rev. 9-99), and only the lines marked below apply.

All drilling and completion information. No	X TD and Completion date. (Month, Day, Year)
ACO-1 has been received as of this date.	Must have Footages from nearest outside corner of section.
X Must be notarized and signed.	Side two on back of ACO-1 must be completed.
Must have the ORIGINAL HARD COPY of ACO-1.	Must have final copies of DST's/Charts.
We do not accept fax copies.	X All original complete open and cased hole wireline logs run.
Must be put on new form and typed.	A copy of geological reports compiled by wellsite geologist.
API # or date when original well was first drilled.	A copy of all cement job logs showing type, amounts and
Contractor License #.	additives used to cement casing strings, squezze and/or to
Designate type of Well Completion.	plug and abandon. (Note: Cement tickets must be from
If Workover/Re-entry, need old well information,	company providing the cement, not necessarily the contractor.)
including original completion date.	Any commingling information; File on the ACO-4 form.
Spud date. (Month, Day, Year)	X Anything HIGHLIGHTED on ACO-1.
\overline{X} Other: Must submit the original ACO-1 form as w	ell as TWO COPIES of the ACO-1 form

K.C.C. regulation 82-3-107 provides confidentiality, upon written request, for a period of one year from the date of such letter request. Confidentiality rights are waived if the ACO-1 remains incomplete, or is not timely filed (within 120 days from the well's spud date) including: electric logs, geologist's wellsite reports, driller's logs, and Kansas Geological Survey requested samples.

Do not hesitate to call the Kansas Corporation Commission, Conservation Division, at (316) 337-6200 if there are any questions. PLEASE RETURN THIS FORM AND ANY ENCLOSURES WITH YOUR REPLY. Note: If the intent is incorrect, you need to file a corrected intent.

Sincerely,

Steve Bond

Steve Bond

Production Department

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1 September 1999

Form Must Be Typed

Recal from 1110

Operator: License # 30553	API No. 15 - 15051-04687-0001
Name: Glenn Unrein dba Unrein Oil Company	County: Ellis
Address: PO Box 1056	<u>C</u> /_NW_SWSec. 31 Twp. 15 S. R. 19 ☐ East ✓ West
City/State/Zip: Hays, KS 67601	feet from N (circle one) Line of Section
Purchaser:	/ 4620' feet from Ê / W (circle one) Line of Section
Operator Contact Person: Glenn Unrein	Footages Calculated from Nearest Outside Section Corner:
Phone: (_785) 628-6231	(circle one) NE (SE) NW SW
Contractor: Name: Professional Pulling Service	Lease Name: Riedel Well #: 4-SWD
License: NA	Field Name: Weitzel
Wellsite Geologist: NA	Producing Formation: Lansing, Kansas City
Designate Type of Completion:	Elevation: Ground: 2107 Kelly Bushing: 3695'
New Well Re-Entry Workover /	Total Depth: 3778 Plug Back Total Depth: 3695'
Oil SWD Temp. Abd/	Amount of Surface Pipe Set and Cemented at 1323' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	It yes, show depth set Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator: Same Operator	feet depth tosx cmt.
Well Name: Riedel	Daillian Staid Manager A Blan
Original Comp. Date: 1964 Original Total Depth: 3778	Drilling\Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perfonv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
✓ Plug Back 3695 Plug Back Total Depth	Dewatering method used
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No old D,11,412	
Other (SWD or Enhr.?) Docket No. New E-30077	Operator Name:
Changed old swd to Enhr	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. S. R. East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove information of side two of this form will be held confidential for a period of 1	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING . Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regula herein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature:	KCC Office Use ONLY
Title: Date:	Letter of Confidentiality Received
Subscribed and sworn to before me thisday of	If Donied Von T Don
Substituted and sworm to before the thisday or	Wireline Log Received
20	Geologist Report Received
Notary Public:	UIC Distribution RECEIVED KANSAS CORPORATION COMM
Date Commission Expires:	AANDAS COAFORATION COMM

		in Oil Company				Well #: 4-S	WD	
Sec Twp	15 (S.) R. 19	East West	County: Ell	is	<u> </u>			· · · · · · · · · · · · · · · · · · ·
ested, time tool ope emperature, fluid re	en and closed, flowin ecovery, and flow rate	and base of formations g and shut-in pressures es if gas to surface test, final geological well site	, whether shut-in along with final o	pressure reache	ed static level, hydi	ostatic pressur	es, botto	om hole
Drill Stem Tests Tak (Attach Additiona		☐ Yes ☐ No		Log Form	ation (Top), Depth	and Datum		Sample
Samples Sent to Geological Survey			N	lame		Тор		Datum
Cores Taken Electric Log Run (Submit Copy)		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run	:		The state of the s					
		CASINC Report all strings set		New Used intermediate, prod	uction, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used		and Percent Additives
Surface	12 1/4	8 5/8	28#	1323'	Common	575		
Production	7 7/8	5 1/2	14#	3723'	60/40 POZ	100		
		ADDITIONA	L CEMENTING /	SQUEEZE RECO	RD]	
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		ON RECORD - Bridge Plu Footage of Each Interval Pe			Fracture, Shot, Cemer (Amount and Kind of M		d	Depth
4	J ZONE 3579-82			NO STIMUI	_ATION	·····		
4	D ZONE 344-47					***************************************		
4	C ZONE 3424-27				· · · · · · · · · · · · · · · · · · ·	KANSAS	CORPOR	EIVED PATION COMM
								3 2008
TUBING RECORD	Size B/8 SEALTITE	Set At 3365'	Packer At 3355'	Liner Run	Yes 🗸 No		NSERVAT WICH	 TION DIVISION !TA, KS
	rd Production, SWD or E	nhr. Producing Me	thod	wing Pum	iping Gas L	ift Othe	er (Explair	n)
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf V	Vater	Bbls.	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF C	COMPLETION		Production In	terval			a (***) ***
Vented Sold	Used on Lease	Open Hole		Dually Comp.	Commingled _			