RELEASED

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM

Form ACO-1 September 1999 Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

WELL HISTORY - DESCRIP	ODICINIAL
Operator: License # 8490 CONFIDENTIAL	API No. 15 - 019-26,598-0000 URIGINAL
Keen Oil Company	Chautauqua Chautauqua
#1 Tam-O-Shanter Ct.	E/2 NW NW Sec. 20 Twp. 33 S. R. 12 X East West
Winfield, KS 67156	4570 feet from (\$V N (circle one) Line of Section
City/State/Zip:	4290 feet from (E) / W (circle one) Line of Section
Operator Contact Person: Lenore M. Keen	Footages Calculated from Nearest Outside Section Corner:
Phone: (620)221-6267	(circle one) NE (SÉ) NW SW Lease Name: Ridgway Well #: 22
Contractor: Name: MOKAT Drilling, (Inc.FI) ENTIAL	
License: 5831	Field Name: Peru - Sedan
Wellsite Geologist: None	Producing Formation: Mississippi
Designate Type of Completion:	Elevation: Ground: 800 ' Kelly Bushing:
X New Well Re-Entry Workover	Total Depth: 1691 Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at 63 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes X No
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 1686
Operator:	feet depth to surface w/ 217 sx cmt.
Well Name:	Drilling Fluid Management Plan Drilling fluid field
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit) tested by KCCopersonne1
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume 200 bbls
Plug Back Plug Back Total Depth	Dewatering method used See pit closure form
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Operator Name:
Other (SWD or Enhr.?) Docket No	ALCEIVED
6-24-03 6-26-03 9-2-03	
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp. S. CCT 17 20fg st West
Recompletion Date Recompletion Date	County: Doket No.:
	CONSERVATION DIVISION WICHITA, KS
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. 2 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 regulation 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: Senere M. Keen	KCC Office Use ONLY
Title: Operator Date: October 14	Letter of Confidentiality Attached
Subscribed and sworn to before me this <u>14th</u> day of <u>October</u>	If Denied, Yes Date:
	State of Kansas Wireline Log Received I SUMMERS Geologist Report Received
Notary Public: Jakung warmers "" Apple Exp	UIC Distribution
Date Commission Expires: 9-11-07	

Operator Name:	Keen Oil Co	mpany	Lease I	Name:_	Kradwa	эу 	. Well #:	22	
Sec. 20 Twp. 3	S. R. <u>12</u>	(East) West	County:	C	hautauqua	······			
ested, time tool open emperature, fluid reco	and closed, flowing very, and flow rates	nd base of formations por and shut-in pressures, is if gas to surface test, a nal geological well site r	whether shu long with fir	ut-in pre	ssure reached	static level, hydro	static pressu	es, bottom hole	
Orill Stem Tests Taken		☐ Yes No		(L	og Formatio	on (Top), Depth a	nd Datum	Sample	
Samples Sent to Geol	•	Yes No		Nam	е		Тор	Datum	
Cores Taken	,	Yes No		Lay			599	(201) (29)	
Electric Log Run (Submit Copy)		Yes No		Redd					
List All E. Logs Run:				Osw	(-143) (-413) (-778)				
List Ali E. Logs Hull.				Mississippi 1578 T.D. 1691					
					•	•	fore The See and a	(-891)	
		CASING Report all strings set-o		Ne face inte	3	ion etc			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weigl	ht	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
Surface	12 3/4	8 5/8"	2	4 #	63'	Portland	41	3% calcium chloride	
Oil String	6 3/4	4 1/2"	10 1/	2#	1686'	50/50	217	2% ge1	
						Pozmix			
		ADDITIONAL	CEMENTIN	G / SQL	JEEZE RECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cement	#Sacks \	Jsed	Type and Percent Additives				
Protect Casing Plug Back TD	-								
Plug Off Zone									
Shots Per Foot	PERFORATION	ON RECORD - Bridge Plug	s Set/Type		Acid, Frac	cture, Shot, Cement	Squeeze Reco	rd	
		ootage of Each Interval Per	forated		terial Used)	Depth			
2	1640-1660				1500 gal. 15% HCL acid				
	· · · · · · · · · · · · · · · · · · ·							1660	
	1 The state of the	* 1886 III							
TUBING RECORD	Size 2 3/8	Set At 1620 '	Packer At N/A		Liner Run	Yes No			
Date of First, Resumed P		hr. Producing Meth	od	Flouring	g Pumpir	Can Lin	O.I.	or /Evoloi-1	
9-10-03 Estimated Production		Bbls. Gas	Mcf	Flowing Wate			Oth as-Oil Ratio	er <i>(Explain)</i> ————————————————————————————————————	
Per 24 Hours		1			30			Gravity	
Disposition of Gas	METHOD OF C	OMPLETION	esticities		Production Interv				
Vented Sold (If vented, Sum	X Used on Lease	Open Hole	Perf.	7 7	ually Comp.	Commingled	.640 to	1660	

CONFIDENTIAL



KCC DET 14 2003

ORIGINAL

CONFIDENTIAL

TICKET NUMBER

20808

211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676	FIELD TIC	KET	CEM	NETV	CATION _	CASING
DATE CUSTOMER ACCT # WELL NAME OF CO. 20-03 4410 Ridging 22	FR/QTR SE	CTION 20	TWP 333	RGE /2と	Chautago	FORMATION
CHARGE TO Dwight Reen	OV	VNER	•		RELEA	
MAILING ADDRESS	OF	PERATOR			FRC)M
CITY & STATE	CC	NTRACT	OR	C	ONFIDI	ENTIAL

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	,	PUMP CHARGE Production Casing		525,00
		J		
		· · i.		
1107	25KS	F/o Seal	•	25.50
1110	225/25	Gilsonite		426.80
_////	1050#	Granulated Salt		105,00
1118	65KS	Premium Gel		20.80
1/23	2,980 gal	City Water		18918
4404	1	4/6" Rubber Plug	·	22,00
	·			
			RECEIVE)
	and the second s	KA	NSAS CORPORATION C	OMMISSION
			OCT 17 2	
		*		aniohi
		BLENDING & HANDLING	CONSERVATION DIV WICHITA, KS	ASIUN
5407	min	TON-MILES	88101111111111	190.00
		STAND BY TIME		
	•	MILEAGE		
5501	4hrs	WATER TRANSPORTS		300,00
5500	3 hrs	VACUUM TRUCKS		210,00
		FRAC SAND		<u> </u>
			·	
1124	2175ks	CEMENT 50/50 5tgilsonite 1025aH		1399,65
		26 gel 14 Flo	SALES TAX	120.20
		<u> </u>		3540.23
1 2790		Less Bid Discount		-775.26
			ESTIMATED TOTAL	333251

CUSTOMER or AGENTS SIGNATURE	*CIS FOREMAN _	Juacy L. W	Mamo
	Ne. Ne. Ne.	()	
CUSTOMER or AGENT (PLEASE PRINT)	· · · · · · · · · · · · · · · · · · ·	DATE	

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RIDGWAY #22 COMENT - SURFACE CASING

				N ⁻	

ELMORE'S, INC

Box 277 - 419 S. Montgomery Sedan, KS 67361 (620) 725-5744 Eve. 725-5538 5113 Date 6-24-03 ORIGINAL

KCC act 14 200

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Customer <u>Koph ()</u>
Address

City

State

Zip

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Oty.	Description:	Price .	Amount
41	SKS Comout	200	289,00
	he Comont Paup	50,00	25,00
	he Water Truck	50,00	25, 00
			437,00
		Tox	29,72
		- 20	466, 22
	Computed Surloss		
	Computed Surface		
第470年第6		STATE OF BUILDING	

Thank You -- We appreciate your business

Rec'd. by

TERMS: Account due upon receipt of services. A 1½% Service Charge, which is an annual percentage rate of 18%, will be charged to accounts after 30 days.

RECEIVED KANSAS CORPORATION COMMISSION

OCT 17 2003

CONSERVATION DIVISION WICHITA, KS



M.O.K.A.T. DRILLING Office Phone: (620) 879-5377



P.O. Box 590 -

KEEN OHE CONTROL OF THE CONTROL OF T	Well No. 22 County CHAUTAU		State	OGWAY KS	Loc.		Depth 1691'	Hour		ec. 20 ate Started	Twp. 33	Rge, 12 Complete
RELEASE BROM NEDENT	County CHAUTAU		State	KS			1	Hour	s D	20	33	12
	CHAUTAU						1	Hour	s Da	ate Started	Date	Complete
							1691'		- 1	*		
	- elements		В	it Record	1							.*
	esta consti				ī				Coring	Record		
5 th Th		Bit No.	Type	size	From	То	Bit No.	type	Size	From	To	% Rec.
Cemen Osed				6 3/4"								
Rig No.												
Hammer No.	88											
COMPANSION CO.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.	Rig No.

Formation Record

Eng.	T ==		<u></u>	,	Format	ion Ke	ecora				
From		Formation	From		Formation	From	To	Formation	From	То	Formation
0		DIRT	827		SHALE	1331	1400	SANDY SHALE	1	-10	Tomation
28	49			914	LIME			SAND			
49			914	931	SOAND			SANDY SHALE	1		
107_		SAND	931	933	LIME		1439	SHALE	1		
133	168			934	SHALE		1451	SAND			
168			934		LIME	1451	1500	SHALE			
353	355			943	SANDY SHALE		1503	LIME			
355	356	COAL	943	979	SAND			SHALE			
356			979	999	SANDY SHALE			BROWN SHALE	 		
370		SAND				1520	`1564	SHALE			
385			999	1008	LIME			COAL			
413					SHALE		1578	SHALE			
414		SHALE	1017	1029	LIME			IME MISSISSIPPI			
		B LACK SHALE	1029	1075	SAND	-		WIODISSITI			
	514	SANDY SHALE			- ,	1640	1691	GREY LIME			<u> </u>
			1075	1138	SANDY SHALE		*****	CHAIST LINE			
538 570 572		SHALE	1138		LIME PAWNEE			TD 1691'			
570		LIME	1155	1164	SHALE		***				
5 72		SHALE	1164	1168	SAND						
			1168	1213	SHALE						
599			1213	1245	LIME						
614		COAL	1245	1253	BLACK SHALE MULKEY				-+		
		SAND	1253		LIME						
		SHALE	1272	1277	BLACK SHALE SUMMIT						
					LIME			·			
			1287	1294	SHALE						
	752		1294	1302	BLACK SHALE						
		LIME	1302		COAL						
	771	BLACK SHALE	1304	1324	BLACK SHALE						
		SAND	1324		LIME						
810	827	SANDY SHALE			SAND						
						L					