

Operator Name: Keen Oil Company Lease Name: Ridgway Well #: 22
 Sec. 20 Twp. 33 S. R. 12 East ~~West~~ County: Chautauqua

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<table border="1"> <tr> <td><u>Log</u></td> <td>Formation (Top), Depth and Datum</td> <td>Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Layton</td> <td>599</td> <td>(201)</td> </tr> <tr> <td>Redd</td> <td>771</td> <td>(29)</td> </tr> <tr> <td>Peru</td> <td>943</td> <td>(-143)</td> </tr> <tr> <td>Oswego</td> <td>1213</td> <td>(-413)</td> </tr> <tr> <td>Mississippi</td> <td>1578</td> <td>(-778)</td> </tr> <tr> <td>T.D.</td> <td>1691</td> <td>(-891)</td> </tr> </table>	<u>Log</u>	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	Layton	599	(201)	Redd	771	(29)	Peru	943	(-143)	Oswego	1213	(-413)	Mississippi	1578	(-778)	T.D.	1691	(-891)
<u>Log</u>	Formation (Top), Depth and Datum		Sample																							
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Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									
Cores Taken	Yes <input checked="" type="checkbox"/> No																									
Electric Log Run <i>(Submit Copy)</i>	Yes <input checked="" type="checkbox"/> No																									
List All E. Logs Run:																										

CASING RECORD							
New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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
Surface	12 3/4	8 5/8"	24#	63'	Portland	41	3% calcium chloride
Oil String	6 3/4	4 1/2"	10 1/2#	1686'	50/50 Pozmix	217	2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	1640-1660	1500 gal. 15% HCL acid	1640 to 1660

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	1620'	N/A	Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
9-10-03		Flowing		<input checked="" type="checkbox"/> Pumping	Gas Lift Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	4	---	30		

Disposition of Gas: Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: 1640 to 1660

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CONSOLIDATED OIL WELL SERVICES AN INFINITY COMPANY

OCT 14 2003

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TICKET NUMBER 20808

211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

LOCATION Bartlesville

FIELD TICKET

CEMENT

OIL STRING CASING

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
6-22-03	4410	Ridgway #22		20	335	12E	Chautauque	
CHARGE TO Dwight Keen				OWNER RELEASED				
MAILING ADDRESS				OPERATOR FROM				
CITY & STATE				CONTRACTOR CONFIDENTIAL				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	1	PUMP CHARGE Production Casing		525.00
1107	2 sks	F/a Seal		25.50
1110	22 sks	Gilsonite		426.80
1111	1050 #	Granulated Salt		105.00
1118	6 sks	Premium Gel		76.80
1123	2,980 gal	City Water		89.28
4404	1	4 1/2" Rubber Plug		22.00
				RECEIVED
				KANSAS CORPORATION COMMISSION
				OCT 17 2003
				CONSERVATION DIVISION
				WICHITA, KS
5407	min	BLENDED & HANDLING		
		TON-MILES		190.00
		STAND BY TIME		
		MILEAGE		
5501	4 hrs	WATER TRANSPORTS		300.00
5508	3 hrs	VACUUM TRUCKS		210.00
		FRAC SAND		
1124	217 sks	CEMENT 50/50 5# gilsonite, 10% salt 2% gel, 1/4" flo		1399.65
			SALES TAX	120.70
				3520.23
		less Bid Discount		-725.66
ESTIMATED TOTAL				3337.57

CUSTOMER or AGENTS SIGNATURE

CIS FOREMAN

Tracy L. Williams

CUSTOMER or AGENT (PLEASE PRINT)

DATE

184922

Air Drilling
Specialist
Oil and Gas Wells



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



P.O. Box 590
Caney, KS 67333

Operator KEEN OIL CO.		Well No. 22	Lease RIDGEWAY	Loc. 1/4 1/4 1/4	Sec. 20	Twp. 33	Rge. 12							
Job No.		County CHAUTAUQUA	State KS	Type/Well	Depth 1691'	Hours	Date Started	Date Complete						
Driller		Casing Used		Bit Record			Coring Record							
Driller		Cement Used		Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller		Rig No.				6 3/4"								
Driller		Hammer No.												

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	28	DIRT	827	913	SHALE	1331	1400	SANDY SHALE			
28	49	MUD	913	914	LIME	1400	1406	SAND			
49	107	SHALE	914	931	SOAND	1406	1424	SANDY SHALE			
107	133	SAND	931	933	LIME	1424	1439	SHALE			
133	168	SANDY SHALE	933	934	SHALE	1439	1451	SAND			
168	353	SHALE	934	939	LIME	1451	1500	SHALE			
353	355	LIME	939	943	SANDY SHALE	1500	1503	LIME			
355	356	COAL	943	979	SAND	1503	1514	SHALE			
356	370	SHALE	979	999	SANDY SHALE	1514	1520	BROWN SHALE			
370	385	SAND				1520	1564	SHALE			
385	413	SHALE	999	1008	LIME	1564	1566	COAL			
413	414	LIME	1008	1017	SHALE	1566	1578	SHALE			
414	500	SHALE	1017	1029	LIME	1578	1640	LIME MISSISSIPPI			
500	510	BLACK SHALE	1029	1075	SAND						
510	514	SANDY SHALE				1640	1691	GREY LIME			
514	538	SAND	1075	1138	SANDY SHALE						
538	570	SHALE	1138	1155	LIME PAWNEE			T D 1691'			
570	572	LIME	1155	1164	SHALE						
572	595	SHALE	1164	1168	SAND						
595	599	LIME	1168	1213	SHALE						
599	614	SAND	1213	1245	LIME						
614	615	COAL	1245	1253	BLACK SHALE MULKEY						
615	626	SAND	1253	1272	LIME						
626	629	SHALE	1272	1277	BLACK SHALE SUMMIT						
629	682	SAND	1277	1287	LIME						
682	684	LIME	1287	1294	SHALE						
684	752	SHALE	1294	1302	BLACK SHALE						
752	769	LIME	1302	1304	COAL						
769	771	BLACK SHALE	1304	1324	BLACK SHALE						
771	810	SAND	1324	1326	LIME						
810	827	SANDY SHALE	1326	1331	SAND						

ORIGINAL

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