

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 8490  
Name: Keen Oil Company  
Address: #1 Tam-O-Shanter Ct.  
City/State/Zip: Winfield, KS 67156  
Purchaser: Coffeyville Resources, L.L.C.  
Operator Contact Person: Lenore M. Keen  
Phone: (620) 221-6267  
Contractor: Name: MOKAT Drilling, Inc. **KCC**  
License: 5831 **NOV 12 2004**  
Wellsite Geologist: None

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

<u>7-22-04</u>	<u>7-26-04</u>	<u>9-15-04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 019-26,638-0000  
County: Chautauqua  
SE - SE SE SW Sec. 17 Twp. 33 S. R. 12  East  West  
165 feet from S N (circle one) Line of Section  
2890 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW

Lease Name: Hardy Well #: 16  
Field Name: Peru - Sedan  
Producing Formation: Mississippi

Elevation: Ground: 850 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1696 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 45 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1640  
feet depth to surface w/ 200 sx cmt.

Drilling Fluid Management Plan Drilling fluid field  
(Data must be collected from the Reserve Pit)  
tested by KCC Personnel Alt II KAR 2/22/08  
Chloride content 0 ppm Fluid volume 200 bbls

Dewatering method used See pit closure form  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ **RECEIVED**  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_ **NOV 16 2004**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 207, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Lenore M. Keen  
Title: Operator Date: 11-12-04  
Subscribed and sworn to before me this 12th day of November,  
2004.

Notary Public: Janet A. Flower  
Date Commission Expires: 12-10-2007  
My Appt. Expires 12-10-2007

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Keen Oil Company Lease Name: Hardy Well # 16  
 Section 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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Layton	672	(178)
Electric Log Run <i>(Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Redd	865	(-15)
List All E. Logs Run:		Peru	1020	(-170)
		Oswego	1283	(-433)
		Mississippi	1636	(-786)
		T.D.	1696	(-846)

CASING RECORD <input type="checkbox"/> 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	# Sacs Used	Type and Percent Additives
Surface	12 3/4	8 5/8	24#	45'	Portland	6	3% calcium chloride
Oil String	6 3/4	4 1/2	10 1/2#	1640	50/50 Pozmix	200	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 <i>(Amount and Kind of Material Used)</i>	Depth
	open hole 1642-1696	800 gal 15% HCL Acid	1642 to 1696

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	1663'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
10-19-04			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	4	-	20		

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If vented, Sumit ACO-18.)*  Other (Specify) \_\_\_\_\_

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 <b>KEEN OIL CO.</b>		Well No. <b>16</b>	Lease <b>HARDY</b>	Loc. <b>1/4 1/4 1/4</b>	Sec. <b>17</b>	Twp. <b>33</b>	Rge. <b>12E</b>					
County <b>CHAUTAUQUA</b>		State <b>KS</b>	Type/Well	Depth <b>1642'</b>	Hours	Date Started <b>7-22-04</b>	Date Complete <b>7-26-04</b>					
Job No.	Casing Used <b>45' OF 8 5/8"</b>	Bit Record			Coring Record							
Driller	Cement Used	Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller	Rig No.			<b>6 3/4"</b>			<b>NOV 12 2004</b>					
Driller	Hammer No.						<b>NOV 16 2004</b>					

RECEIVED  
KANSAS CORPORATION COMMISSION  
NOV 16 2004  
CONSERVATION DIVISION  
WICHITA, KS

**Formation Record**

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	30	BROWN SAND	810	823	SHALE & LIME	1307	1316	BLACK SHALE	1636	1638	CHAT
30	50	SANDY SHALE & SHALE	823	842	LIME	1316	1333	LIME	1638	1639	SHALE
50	66	SHALE	842	844	BLACK SHALE	1333	1342	BLACK SHALE	1639	1642	CHAT & SHALE
66	71	LIME	844	852	SAND & SANDY SHALE	1342	1352	LIME			
71	170	SANDY SHALE & SHALE	852	865	SANDY SHALE	1352	1365	BLACK SHALE			T.D. 1642'
170	220	SHALE	865	885	SAND	1365	1377	GREY SHALE			
220	225	SANDY SHALE	885	900	SANDY SHALE	1377	1379	LIME			
225	250	SAND WATER	900	991	SHALE	1379	1385	SHALE			
250	253	SANDY SHALE	991	998	BLACK SHALE	1385	1387	LIME & SAND			
253	402	SHALE	998	1002	LIME	1387	1390	LIME & SANDY LIME			
402	403	LIME	1002	1004	SHALE	1390	1396	SANDY SHALE & SAND			
403	420	SHALE	1004	1006	SAND	1396	1397	LIME			
420	422	LIME	1006	1012	LIME	1397	1405	SANDY SHALE			
422	424	COAL	1012	1020	SANDY SHALE	1405	1430	SHALE			
424	427	SANDY SHALE	1020	1040	SAND	1430	1435	SAND & SANDY SHALE			
427	450	SAND & SANDY LIME	1040	1050	SANDY SHALE	1435	1439	SHALE			
450	500	SHALE	1050	1071	SHALE	1439	1440	LIME			
500	504	LIME	1071	1080	LIMEY SAND	1440	1445	SHALE			
504	506	SHALE	1080	1086	LIME & SHALE	1445	1448	SAND			
506	507	LIME	1086	1090	SHALE	1448	1459	SANDY SHALE			
507	522	SHALE	1090	1100	LIME	1459	1464	SAND			
522	527	LIME & SHALE	1100	1103	SHALE	1464	1479	SHALE			
527	560	SANDY SHALE & SHALE	1103	1150	SAND & SANDY SHALE	1479	1480	LIME			
560	671	SHALE	1150	1201	SHALE	1480	1489	SANDY SHALE & SHALE			
671	672	LIME	1201	1224	LIME	1489	1490	LIME			
672	689	SAND	1224	1229	BLACK SHALE	1490	1503	RED GREY SHALE			
689	691	COAL	1229	1236	GREY SANDY SHALE	1503	1508	SANDY SHALE			
691	700	SAND & SANDY SHALE	1236	1245	SAND & SANDY SHALE	1508	1515	SHALE			
700	750	SAND	1245	1250	SANDY SHALE & SHALE	1515	1520	SAND & SANDY SHALE			
750	765	SAND & SANDY SHALE	1250	1283	SHALE	1520	1523	SANDY SHALE			
765	810	SHALE	1283	1307	LIME	1523	1636	SHALE			



# M.O.K.A.T. Drilling Inc.

P.O. BOX 590  
Caney, KS 67333

Phone: (620)879-5377 Cell: (620)252-8338

# Invoice

"For All Your Drilling Needs"  
Specializing In Coal Gas

DATE	INVOICE NO.
7/28/2004	608

BILL TO
DWIGHT KEENE #1 TAM-O-SHANTER C.T. WINFIELD, KS 67156

CEMENT  
SURFACE CASING

WELL NO.	LEASE
16	BEARDY

DESCRIPTION	QTY	RATE	AMOUNT
1642' DRILLED AT \$6.50 PER FT.	1,642	6.50	10,673.00
6 SACKS OF CEMENT.	6	12.00	72.00
<p>KCC NOV 12 2004 CONFIDENTIAL</p> <p>RECEIVED KANSAS CORPORATION COMMISSION NOV 16 2004 CONSERVATION DIVISION WICHITA, KS</p>			
THANK YOU	<b>Total</b>		\$10,745.00

*Pd. Keen a/c  
CR# 3523*



# United Cementing and Acid Co., Inc.

Oil Well Cementing & Acidizing  
 (316) 321-4680 • 800-794-0187 • FAX (316) 321-4720  
 2510 West 6th Street • El Dorado, KS 67042

## SERVICE TICKET

5383

~~60713~~  
 6174  
**CEMENT**  
**PRODUCTION CASING**  
 DATE 7-27-04  
 COUNTY CO CITY \_\_\_\_\_

CHARGE TO KEEN OIL

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_

LEASE & WELL NO. Hardy # 16 CONTRACTOR \_\_\_\_\_

KIND OF JOB PRODUCTION CASING SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_

DIR. TO LOC. SEAN-IDD. RLY 22nd - N TO LARRET 1 1/2 E 3/4 N 2:30 P OLD  NEW

Quantity	MATERIAL USED	Serv. Charge	
			675.00
200 5x	CLASS A @ 5.92		1184.00
65x	GEL - (25x For Gel Pre Flush) @ 9.70		58.20
25x	CALCIUM CHLORIDE @ 21.65		53.30
600 lbs	Kel-SEAL @ 40¢ lb		240.00
3 hrs	WATER TRUCK @ 65.00/hr.		195.00
2 1/4 5x	BULK CHARGE	KCC	209.72
50	BULK TRK. MILES 10.7 hours	NOV 12 2004	390.55
50	PUMP TRK. MILES	CONFIDENTIAL	102.50
1	PLUGS 4 1/2 Top Rubber		38.00
		.1530. SALES TAX	125.54
		TOTAL	3271.81

T.D. 1642  
 SIZE HOLE 6 3/4  
 MAX. PRESS. \_\_\_\_\_  
 PLUG DEPTH \_\_\_\_\_  
 PLUG USED Top Rubber

CSG. SET AT 1640 VOLUME \_\_\_\_\_  
 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 SIZE PIPE 4 1/2 10.5# USED  
 PKER DEPTH \_\_\_\_\_  
 TIME FINISHED 5:30 P

REMARKS: SEE CEMENT LOG

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 WICHITA, KS

EQUIPMENT USED

NAME	UNIT NO.	NAME	UNIT NO.
<u>Chet Johnson</u>	<u>P14</u>	<u>Josh Creeley</u>	<u>B3</u>
<u>Keel Pump</u>			
CEMENTER OR TREATER		OWNER'S REP.	