

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
For Use in Typing

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 8490 KCC  
Name: Keen Oil Company  
Address: #1 Tam-O-Shanter Ct. NOV 12 2004  
City/State/Zip: Winfield, KS 67156  
Purchaser: Coffeyville Resources LLC  
Operator Contact Person: Lenore M. Keen  
Phone: (620) 221-6267  
Contractor: Name: MOKAT Drilling, Inc.  
License: 5831

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. \_\_\_\_\_  
7-27-04 7-29-04 9-7-04  
Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - 019-26,632-0000  
County: Chautauqua  
E/2 - NE - NW - Sec. 20 Twp. 33 S. R. 12  East  West  
4630 feet from (S) N (circle one) Line of Section  
2900 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 #: 15

Field Name: Peru - Sedan

Producing Formation: Mississippi

Elevation: Ground: 804' Kelly Bushing: \_\_\_\_\_

Total Depth: 1660' Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 42 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 1571

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 1/2 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. \_\_\_\_\_ S. R. NOV 15 2004  East  West

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

CONSERVATION DIVISION  
WICHITA, KS

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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

~~19~~ 2004.

Notary Public: Janet A. Flower  
Date Commission Expires: 12-10-2007  
JANET A. FLOWER  
Notary Public - State of Kansas  
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 # 15  
 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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Layton	600	(204)
Redd	769	(35)
Peru	940	(-136)
Oswego	1211	(-407)
Mississippi	1568	(-764)
T.D.	1660	(-856)

**CASING RECORD**  New  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#	42'	Portland	25	3% calcium chloride
Oil String	6 3/4"	4 1/2"	10 1/2#	1571'	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 (Amount and Kind of Material Used)	Depth
	open hole 1571 to 1660	800 gal 15% HCL acid	1571 to 1660

<b>TUBING RECORD</b>	Size <u>2 3/8</u>	Set At <u>1598'</u>	Packer At <u>N/A</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. <u>10-10-04</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. <u>4</u>	Gas Mcf <u>-</u>	Water Bbls. <u>30</u>	Gas-Oil Ratio	Gravity
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Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

**METHOD OF COMPLETION**  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

**Production Interval**

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</b>	Well No. <b>15</b>	Lease <b>HARDY</b>	Loc. <b>1/4 1/4 1/4</b>	Sec. <b>20</b>	Twp. <b>33</b>	Rge. <b>12E</b>
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County <b>CHAUTAUQUA</b>	State <b>KS</b>	Type/Well	Depth <b>1575'</b>	Hours	Date Started <b>7-27-04</b>	Date Completed <b>7-29-04</b>
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Job No.	Casing Used <b>42' 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>1</b>			<b>6 3/4"</b>									
Driller	Hammer No.												

**KCC**  
**NOV 12 2004**  
**CONFIDENTIAL**

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**NOV 16 2004**

**Formation Record**

CONSERVATION DIVISION  
WICHITA, KS

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	35	OVERBURDEN	1009	1015	SHALE	1484	1486	LIME			
35	90	SHALE	1015	1020	LIME	1486	1570	SHALE			
90	117	LIMEY SHALE	1020	1022	LIMEY SHALE	1570	1575	MISS CHAT			
117	120	LIME	1022	1030	LIME						
120	150	SANDY SHALE	1030	1035	SHALE			T.D. 1575'			
150	349	SHALE	1035	1040	SANDY SHALE						
349	352	LIME	1040	1063	SAND						
352	355	BLK SHALE	1063	1130	SANDY SHALE						
355	369	GRAY SHALE	1130	1147	LIME						
369	373	LIME	1147	1155	BLK SHALE						
373	381	SAND (WATER)	1155	1211	GRAY SHALE						
381	388	LIME	1211	1239	LIME (OSWEGO)						
388	467	SHALE	1239	1247	BLK SHALE						
467	470	LIME	1247	1264	LIME						
470	500	SANDY SHALE	1264	1272	BLK SHALE						
500	598	SHALE	1272	1282	LIME						
598	600	LIME	1282	1306	BLK SHALE						
600	620	SANDY SHALE	1306	1308	LIME						
620	670	SAND	1308	1320	SHALE						
670	680	SANDY SHALE	1320	1330	SAND						
680	684	LIME	1330	1333	BR SHALE						
684	750	SHALE	1333	1334	COAL						
750	764	LIME	1334	1363	GR SHALE						
764	769	BLK SHALE	1363	1364	LIME						
769	820	SANDY SHALE	1364	1375	SHALE						
820	931	SHALE	1375	1388	SAND						
931	940	LIME	1388	1390	RED SHALE						
940	970	SAND	1390	1405	SANDY SHALE						
970	980	SANDY SHALE	1405	1430	SHALE						
980	998	SHALE	1430	1452	SANDY SHALE						
998	1009	LIME	1452	1484	SHALE						



# 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

LOT 3

CEMENT SURFACE CASING

## SERVICE TICKET

5388

DATE 7-27-04

COUNTY Co CITY \_\_\_\_\_

CHARGE TO KEEN OIL Co

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

LEASE & WELL NO. Hardy # 15 CONTRACTOR MOKAT Drilg.

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

DIR. TO LOC. SEDAN - TND. RD # 22 - 1/4 E - S15 E02 1:30P OLD  NEW

Quantity	MATERIAL USED		Serv. Charge
		KCC	337.50
255x	CLASS A		148.00
15x	CALCIUM CHLORIDE	NOV 12 2004	26.65
15x	GEL	CONFIDENTIAL	9.70
75lbs	KOL-SEAL		30.00
1hr.	Water Tank		65.00
		RECEIVED KANSAS CORPORATION COMMISSION	
285x	BULK CHARGE	NOV 16 2004	21.00
50	BULK TRK. MILES		98.00
50	PUMP TRK. MILES	CONSERVATION DIVISION WICHITA, KS	NIC
—	PLUGS		
		6.3% SALES TAX	21.00
		TOTAL	756.85

T.D. 46'

CSG. SET AT 42' VOLUME \_\_\_\_\_

SIZE HOLE 11 3/4

TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_

MAX. PRESS. \_\_\_\_\_

SIZE PIPE 8 5/8 2016

PLUG DEPTH 32' Cement

PKER DEPTH \_\_\_\_\_

PLUG USED \_\_\_\_\_

TIME FINISHED 2:30P

REMARKS: 8 5/8 @ 42' - BREAK CIRCULATION - MIX + Pump  
255x CLASS A - 36CC + 28 GEL + 3# KOL-SEAL/SK - DISP CEMENT  
TO 32' + SHUT IN  
CEMENT DID CIRCULATE!

### EQUIPMENT USED

NAME CHET JOHNSON UNIT NO. B-14  
Neal Perry  
 CEMENTER OR TREATER

NAME Josh Creeley UNIT NO. B-3  
 OWNER'S REP.



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 2510 West 6th Street • El Dorado, KS 67042

6178

**CEMENT PRODUCTION CASING** SERVICE TICKET 5396

DATE 7-30-04

COUNTY CO CITY \_\_\_\_\_

CHARGE TO KEEN OIL

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

LEASE & WELL NO. HARDY 15 CONTRACTOR ELMORE

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

DIR. TO LOC. SEDM - INDEPENDENCE RD. + 22 RD - 10 - 1314E - 9/5 1'00" OLD NEW

Quantity	MATERIAL USED	Serv. Charge	
700 5x	Class A @ 5.92		675.00
6 5x	BEL (25x BEL FLUSH) @ 9.70		1184.00
25x	CALCIUM CHLORIDE @ 21.65		58.20
600 lbs	KOL-SEAL @ 401 lb.		53.30
7 hrs	WATER TRK @ 65.00		240.00
			455.09
2145x	BULK CHARGE	KCC	209.72
50	BULK TRK. MILES 10.70 miles	NOV 12 2004	390.55
50	PUMP TRK. MILES	CONFIDENTIAL	102.50
1	PLUGS 4 1/2 Top Rubber		38.04
		.0530 SALES TAX	139.32
		TOTAL	3545.59

T.D. 1575

SIZE HOLE 6 3/4

MAX. PRESS. 1450

PLUG DEPTH 1570

PLUG USED TOP Rubber

REMARKS: \_\_\_\_\_

CSG. SET AT 1571 VOLUME \_\_\_\_\_

TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_

SIZE PIPE 4 1/2 USED 10.5

PKER DEPTH \_\_\_\_\_

TIME FINISHED 5:00P

SEE CEMENT LOG

RECEIVED  
KANSAS CORPORATION COMMISSION

NOV 16 2004

CONSERVATION DIVISION  
WICHITA KS

**EQUIPMENT USED**

NAME CHET JOHNSON UNIT NO. P14  
NEAL RUPP / JIM THOMAS  
 CEMENTER OR TREATER

NAME JOSH CREELY UNIT NO. B-3  
 OWNER'S REP.