

15.145.21493.0000

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12-9-82
DEC 09 2002

Form ACO-1
September 1999
Form Must Be Typed

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

ORIGINAL

Operator: License # 32119
 Name: Northern Natural Gas
 Address: 9480 W. Highway 50
 City/State/Zip: Holcomb, KS 67851
 Purchaser: _____
 Operator Contact Person: Jon Hannagan
 Phone: (620) 277-4127
 Contractor: Name: H.L. McLean Drilling
 License: 32775
 Wellsite Geologist: _____
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW 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>10/26/2002</u>	<u>11/6/2002</u>	<u>11/7/2002</u>
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 15-145-21483-0000
 County: Pawnee
 NW, NW, NE - 30 Sec. 20 Twp. 19 S. R. 19 East West
333 feet from S / N (circle one) Line of Section
3172 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Pawnee Well #: #2
 Field Name: Region 5
 Producing Formation: _____
 Elevation: Ground: 2210' EST Kelly Bushing: _____
 Total Depth: 350' Plug Back Total Depth: ✓
 Amount of Surface Pipe Set and Cemented at 80 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.
 Drilling Fluid Management Plan Allen Env 12-11-02
 (Data must be collected from the Reserve Pit)
 Chloride content _____ ppm Fluid volume 60 bbls
 Dewatering method used _____
 Location of fluid disposal if hauled offsite: _____
 Operator Name: Key Gas Corp.
 Lease Name: Steffan SWD License No.: _____
 Quarter _____ Sec. 8 Twp. 21 S. R. 20 East West
 County: Pawnee Docket No.: _____

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: [Signature]
 Title: Operations Manager Date: 12-20-02
 Subscribed and sworn to before me this 2 day of December,
2002
 Notary Public: [Signature]
 Date Commission Expires: 8/23/2005
Creek County, Ok

KCC Office Use ONLY

NO Letter of Confidentiality Attached
 If Denied, Yes Date: _____
NO Wireline Log Received
NO Geologist Report Received
 _____ UIC Distribution

Operator Name: Northern Natural Gas Lease Name: Pawnee Well #: 2
 Sec. 30 Twp. 20 S. R. 19 East West County: Pawnee

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
 Attached

CASING RECORD <input checked="" type="checkbox"/> New <input 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
Cathodic	14.75"	8" PVC Sched 40	15.6	80'	Portland	35	(order ticket attached)

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
— Perforate				
— Protect Casing				
— Plug Back TD				
— Plug Off Zone				

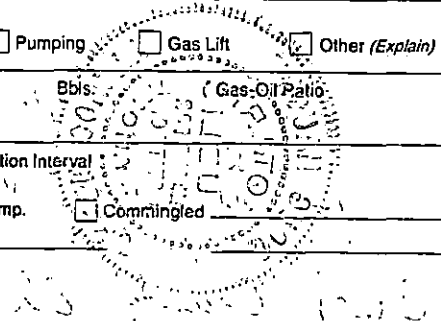
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		

TUBING RECORD		Size	Set At	Packer At	Liner Run
					<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gravty

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

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

Production Interval Commingled



ORIGINAL

Company Northern Natural Gas
 Location Pawnee County

Sec 30 Township 20
 Job Number 02-089-2

Range 19 ^N _S ^E _W
 Voltage Used 12.97

Depth	Amps	Geological Log	Depth	Amps	Geological Log	Number	Depth	No Coke	With Coke
5		0-1 Topsoil	205			1	330	2.0	6.3
10		1-6 Shale	210	2.5		2	320	3.7	7.9
15		6-7 Hard Rock	215			3	310	2.7	8.2
20		7-50 Grey Shale	220	2.5		4	300	3.1	8.7
25			225			5	290	3.3	8.8
30			230	2.2		6	280	2.8	8.4
35			235			7	270	3.2	8.1
40			240	1.6		8	260	3.2	7.4
45			245			9	250	2.3	6.3
50		50-60 Bed Rock	250	3.5		10	240	1.8	5.1
55		54 Top of Coke	255			11	230	2.3	5.0
60		60-100 Grey Shale	260	3.4		12	220	2.3	5.0
65			265			13	210	2.1	5.1
70			270	3.0		14	200	1.8	5.2
75			275			15	190	2.0	5.6
80			280	3.5		16	180	2.2	5.6
85			285			17	170	2.1	5.4
90	3.7		290	3.6		18	160	1.9	6.1
95			295			19	150	4.0	9.3
100	3.0	100-200 Red Clay	300	2.8	300-302 Rock	20	140	4.4	9.5
105			305		302-350 Red Clay	21			
110	4.3		310	3.1		22			
115			315			23			
120	4.8		320	2.1		24			
125			325			25			
130	4.4		330	1.5		26			
135			335			27			
140	2.2		340	1.2		28			
145			345			29			
150	2.0		350	1.1	350 T.D.	30			
155			355				Volts	12.97	
160	2.0		360				Amps	137.00	
165			365				Ohms	0.09	
170	2.3		370				Rectifier Information		
175			375				Model		
180	1.8		380				Serial		
185			385				DCV	DCA	
190	2.4		390				C	F	
195			395				ACV	ACA	
200	1.9	200-300 Grey Shale	400				Shunt		

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Interior Plug Portland Cement				Remarks: Pawnee #2			
Hole Dia.	8"	Total Depth	350'				
No. Anodes	20	Size and Type	4" x 80" Graphite				
Lbs. Coke	6600#	Coke Type	Loresco SC-2				
Ft. Casing	80'	Casing Diameter	8"				
				Signature	Brad Brewer	Date	11/7/2002

ATT: ISRAP ISREWOR
FAX # 2M# 24
785-472-5703

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KCC WICHITA

THE HOME DEPOT 3913
4041 S SHERIDAN TULSA, OK 74145
918-832-0069 STORE MANAGER-TECLA BURCH

3913 00002 40473 11/01/02
11 321 07:56 AM

SALE
084
702
SIR
TSREWOR



Pawnee #2

16S846 94LB PORTL 191.80
35,000 @ \$5.48
191.80 TAX OK 7.917 15.18
TOTAL \$206.98
AMEX 206.98

XXXXXXXXXXXX2007 TA
AUTH CODE 585572/7021294



3913 02 40473 11/01/02 1041

THANK YOU FOR SHOPPING AT THE HOME DEPOT
RECEIPT REQUIRED FOR REFUND
LEADERSHIP OPPORTUNITY:HOMEDEPOT.COM/SLP

Paul's Oilfield Service, Inc.

P.O. Box 1773
Great Bend, KS 67530

**ORIGINAL
Invoice**

DATE	INVOICE #
11/6/2002	20676

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KCC WICHITA

BILL TO
Mesa Corrosion Products P.O. Box 52608 Tulsa, OK 74152 Attn: Max

TERMS
Net 30

DESCRIPTION	RATE	QUANTITY	AMOUNT
NORTHERN NATURAL GAS #02-089 - Picked up 80 bbls from pit, hauled it to big tank and washed out with 30 bbls salt water. - 4.5 hours 11/7/02 - Picked up 30 bbls from pit, hauled it to big tank and washed out with 15 bbls salt water. - 3.5 hours. Vacuum Truck	55.00	8	440.00
Total			\$440.00

MA - 11-25-02

Thank you for your business.