

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 033-20,832-00-00 ORIGINAL
County Comanche
C NE NE Sec. 12 Twp. 31S Rge. 19 East West

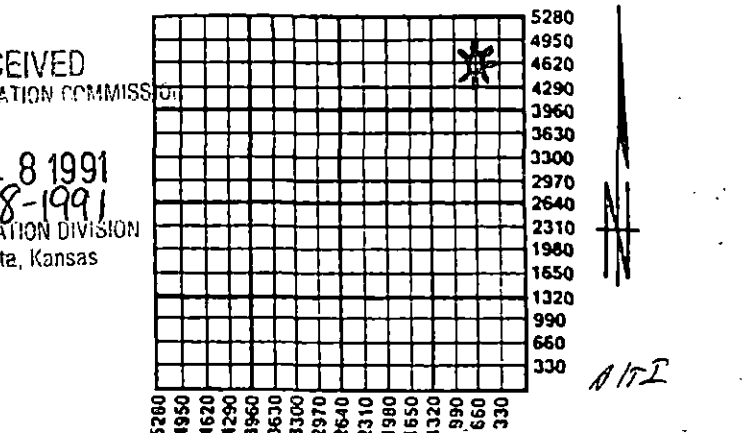
Operator: License # 5123
Name: Pickrell Drilling Company, Inc.
Address 110 N. Market, Suite 205
Wichita, Kansas 67202
City/State/Zip _____

CONFIDENTIAL 4620 - Ft. North from Southeast Corner of Section
660 - Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Purchaser: Wichita Industrial Energy Corp.
Operator Contact Person: Larry J. Richardson
Phone (316) 262-8427

Lease Name Caraway "A" Well # 1
Field Name Wildcat
Producing Formation Marmaton
Elevation: Ground 2194 KB 2199
Total Depth 5200 PBDT _____

Contractor: Name: Company Tools
License: 5123
Wellsite Geologist: Billy G. Klaver



Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

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11-18-1991
CONSERVATION DIVISION
Wichita, Kansas

If OAWO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Amount of Surface Pipe Set and Cemented at 671' KB 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 Method:
 Mud Rotary Air Rotary Cable
8-20-91 8-31-91 9-26-91
Spud Date Date Reached TD Completion Date

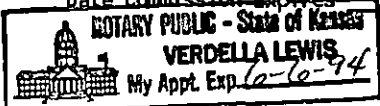
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 C. W. Sebits Date 11-14-91
Title C. W. Sebits, President
Subscribed and sworn to before me this 14th day of November, 1991.
Notary Public Verdella Lewis

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Date Commission Expires 6-06-94



SIDE TWO

Operator Name Pickrell Drilling Co. Inc.

Lease Name Caraway "A"

Well # 1

Sec. 12 Twp. 31S Rgd. 19
 East
 West

County Comanche

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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.)

Formation Description

Log Sample

Name	Top	Bottom
Heebner	4272(-2073)	
Brown Lime	4445(-2246)	
Lansing	4462(-2263)	
Stark	4742(-2543)	
Base Kansas City	4892(-2693)	
Altamont	4942(-2743)	
Mississippi	5098(-2899)	

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	# Sacks Used	Type and Percent Additives
Surface Casing	12 1/4"	8 5/8"	23#	671' KB	60/40 poz	325sx	2%gel, 3% CC
Production Csg.	7 7/8"	4 1/2"	10.50#	5197	SSC w/FR	150sx	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	5002-5012	A 700 gal 15% A 1000 gal 15% A 3000 gal 20% mixed w/ nitrogen to 67 quality foam	

TUBING RECORD Size 2 3/8" Set At 5000 Packer At _____
 Liner Run Yes No

Date of First Production 11/12/91 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		700	5		

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

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205
 WICHITA, KANSAS 67202-1996
 (316) 262-8427

ORIGINAL

NOV 1 1991

CONFIDENTIAL

#1 Caraway 'A'
 C NE NE
 Sec. 12-31S-19W
 Comanche County, Kansas

API: 15-033-20,832-00-06
 ELEV: 2199'KB, 2197'DF, 2194'GL
 4620' From South Section Line
 660' From East Section Line
 5200' EST. TD

- 8-19-91: MIRT.
- 8-20-91: Spud @ 7:00 AM.
- 8-21-91: (On 8-20) Spud @ 7:00 AM. WOC, drilled 675' 12 1/4" hole, ratholed ahead to 1413' w/ 7 7/8" bit - no lost circ. Set 8 5/8" 23# new Csg @ 671'KB, cement w/325sx 60/40 poz 2% gel 3% CC. Cement circ. Plugged down @ 7:15 AM on 8-21-91.
- 8-22-91: Drlg. @ 2300'.
- 8-23-91: Drlg. @ 2980'.
- 8-26-91: (On 8-24) Drlg. @ 3492'. (On 8-25) Drlg. @ 4153'. (On 8-26) Drlg. @ 4495'.
- 8-27-91: Drlg. @ 4707'.
- 8-28-91: Testing @ 4964'. Running DST #1 4945'-4964'.
- 8-29-91: Testing @ 5020'. DST #2 4972'-5020'. Results of DST #1 4945'-4964': 30"-60"-60"-90", GTS 5", GA 68.3MCF 10", 73.1MCF 20", 77.5MCF 30", 2nd Op 85.9MCF 10", 84.8MCF 15", 85.9MCF 20"-60", Rec. 50' Mud, IFP 172#-162#, FFP 172#-162#, ISIP 1741#, FSIP 1721#.
- 8-30-91: Drlg. @ 5123'. DST #2 4972'-5020' (Marmaton), 30"-60"-90"-90", 217' OCM, (20% oil, 40% gas, 40% mud), IFP 60#-60#, FFP 71#-81#, ISIP 1617#, FSIP 1641#. DST #3 5102'-5123' (Miss), 30"-30"-30"-30", Rec. 5'M, IFP 50#-40#, FFP 50#-40#, ISIP 40#, FSIP 40#.
- 9-03-91: (On 8-31) RTD 5200'. DST #4 5125'-5152', 30"-60"-90"-90", Rec. 90' GIP, 125' GCM (20% gas, 80% M), 125' G&OCM (25% gas, 5% oil, 70% M), IFP 101#-101#, FFP 132#-142#, ISIP 1610#, FSIP 1631#. RU to run OH logs. LTD 5201'. (On 9-01) Ran 124 Jts. 4 1/2" Csg. set 4' off Btm @ 5197'. Cement w/150sx SSC w/FR. Plugged w/10 Bbl. of Mud Flush ahead. PD @ 7:00 AM on 9/1/91.
- 9-04-91: WOCT.

RELEASED

DEC 0 8 1992

FROM CONFIDENTIAL

RECEIVED
 STATE CORPORATION COMMISSION

NOV 18 1991

REGISTRATION DIVISION
 Wichita, Kansas

ALLIED CEMENTING CO. INC.

Home Office P. O. Box 31

Russell, Kansas 67665

NOV 1 1991

New

CONFIDENTIAL

Date	9-1-91	Sec.	12	Twp.	31 S	Range	19 W	Called Out	7:00 pm	On Location	1:00	Job Start	5:00 AM	Finish	2:00 PM	
Lease	CARAWAY	Well No.	A-1	Location	Cold water - 5 1/2 north on west side			County	Comanche			State	KS			
Contractor	Pickerell						Owner	SAME								
Type Job	Long string cement job															
Hole Size	2 7/8		T.D.	5204												
Csg.	4 3/4" te		Depth	5200												
Tbg. Size																
Drill Pipe																
Tool																
Cement Left in Csg.	36'		Shoe Joint													
Press Max.																
Meas Line			Displace	82 1/4 bbl												
Perf.																

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To: *Pickerell Drilling Co*
Street: *110 N Market*
City: *Wichita* State: *Kansas*
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. _____
X *E. Mondak*
CEMENT

EQUIPMENT

Pumptrk	195	Cementer	<i>JACK C.</i>	
		Helper	<i>Don</i>	
Pumptrk		Cementer		
		Helper		
Bulktrk	101	Driver	<i>Kent</i>	
Bulktrk		Driver		

Amount Ordered	<i>150 sy common 10% salt</i>	
Consisting of	<i>3/4 of 10% FPP WFZ 10 bbl of Flush</i>	
Common	<i>150</i>	<i>787.50</i>
Poz. Mix		
Gel.		
Chloride	<i>WFZ mud flush</i>	<i>210.00</i>
Quickset	<i>SALT</i>	<i>27.50</i>
	<i>10# FRQ.</i>	<i>45.00</i>

DEPTH of Job

Reference:	<i>Pump truck</i>	<i>880.00</i>
	<i>48 mile age.</i>	<i>96.00</i>
	<i>1 1/2" rubber plug</i>	<i>33.00</i>
	Sub-Total	<i>1009.00</i>
	Tax	<i>100.90</i>
	Total	<i>1109.90</i>

Handling	<i>150</i>	<i>150.00</i>
Mileage	<i>48</i>	<i>288.00</i>
	Sub Total	<i>1528.00</i>
	Total	

Remarks: **RELEASED**
DEC 8 1992

Floating Equipment	<i>Total</i>	<i>2537.00</i>
	<i>Disc</i>	<i>- 380.00</i>
		<i>2157.00</i>

CONFIDENTIAL RECEIVED
STATE CORPORATION COMMISSION

NOV 18 1991

Wichita Kansas

THANKS

ALLIED CEMENTING CO., INC.

ORIGINAL 1892
NOV

Home Office P. O. Box 31

Russell, Kansas 67665

CONFIDENTIAL

New

Date	8-21-91	Sec.	12	Wp.	315	Range	19 W	Called Out	9:00	On Location	2:30	Job Start	6:30 AM	Finish	7:15 AM
Lease	CARAWAY	Well No.	#1-A	Location	Coldwater - South - West side			County	Comanche	State	KS				
Contractor	Richard Foran Pickrell														
Type Job	SURFACE pipe														
Hole Size	12 1/4	T.D.	1413												
Csg.	8 5/8	Depth	675												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	45'	Shoe Joint													
Press Max.	Baffle plate	Minimum													
Meas Line		Displace	4 1/2												
Perf.															

Owner: SAME

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To: ~~Richard Foran~~ Pickrell Drilling Inc.

Street: 110 N. Market Suite 205

City: _____ State: _____

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. X Richard Foran

CEMENT

EQUIPMENT

Pumptrk	No.	Cementer	Tack (W)
	181	Helper	Don
Pumptrk	No.	Cementer	
		Helper	
Bulktrk		Driver	Kent
	177	Driver	

Amount Ordered		
Consisting of	3 2 1/2 21 60/40 2 43	
Common	195	5.25 1023.75
Poz. Mix	130	2.25 292.50
Gel.	7	6.75 47.25
Chloride	10	21.00 210.00
Quickset		
Handling	325	1.00 325.00
Mileage	48	624.00
Total		2475.25

DEPTH of Job		
Reference:	Pump truck	380.00
48	Mileage	96.00
	18 5/8 Wood plug	42.00
	375' at .39	146.25
	Total	664.25

Remarks: Cement did a rec

RELEASED

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Floating Equipment

THANKS

Baffle Plate - 31.00

FROM CONFIDENTIAL RECEIVED STATE CORPORATION COMMISSION

NOV 18 1991

REGISTRATION DIVISION Wichita, Kansas