

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

SIDE ONE

COPY

API NO. 15- 033-20,832

County Comanche

C NE NE Sec. 12 Twp. 31S Rge. 19 X East West

4620 Ft. North from Southeast Corner of Section

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

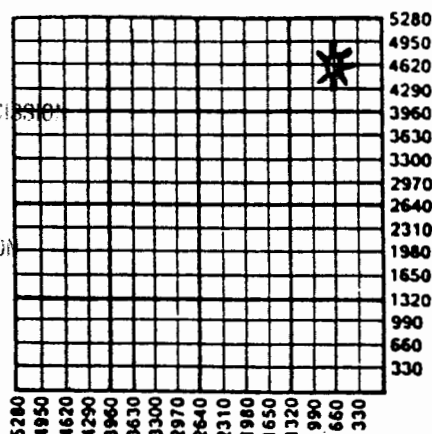
Lease Name Caraway "A" Well # 1

Field Name Wildcat

Producing Formation Marmaton

Elevation: Ground 2194 KB 2199

Total Depth 5200 PBTD



Amount of Surface Pipe Set and Cemented at 671' KB Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Operator: License # 5123

Name: Pickrell Drilling Company, Inc.

Address 110 N. Market, Suite 205

Wichita, Kansas 67202

City/State/Zip

Purchaser: Wichita Industrial Energy Corp.

Operator Contact Person: Larry J. Richardson

Phone (316) 262-8427

Contractor: Name: Company Tools

License: 5123

Wellsite Geologist: Billy G. Klaver

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD Temp. Abd.

X Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

OWMO: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method:

X 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. Sebitts, President DEC 0 8 1992

Title FROM CONFIDENTIAL

Subscribed and sworn to before me this 14th day of November

19 91.

ary Public Verdella Lewis

Date Commission Expires 6-06-94

NOTARY PUBLIC - State of Kansas

VERDELLA LEWIS

My Appt. Exp. 6-6-94

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)

SIDE TWO

Operator Name Pickrell Drilling Co. Inc.Lease Name Caraway "A"Well # 1Sec. 12 Twp. 31S Rge. 19☐ East
☒ WestCounty 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
(Attach Additional Sheets.)☒ Yes ☐ No

Samples Sent to Geological Survey

☒ Yes ☐ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☒ Yes ☐ No

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(-2399)	

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	

PERFORATION RECORD

Shots Per Foot 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

Set At

Packer At

Liner Run

☐ Yes ☒ No

2 3/8"

5000

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:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify) _____

PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205

WICHITA, KANSAS 67202-1996

(316) 262-8427

COPY

CONFIDENTIAL

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

API: 15-033-20,832
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

WICHITA COUNTY COMMISSION

NOV 18 1991

WICHITA COUNTY COMMISSION
WICHITA, KANSAS