

10/6/85
10-6-86

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5205
Name Mid Continent Energy
Address 120 S. Market
Suite 310
City/State/Zip Wichita, KS 67202

Purchaser: Central States Gas Company
1700 Lincoln, Suite 4400
Denver, CO 80203

Operator Contact Person Bradley Buehler
Phone 316-265-9501

Contractor: License # 5418
Name Allen Drilling Company

Wellsite Geologist Doug McGinness
Phone 267-6065

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
6-24-85 7-5-85 7-6-85
Spud Date Date Reached TD Completion Date
4489 4486
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 220 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2283 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15- 007-22,056-0000KCE
County Barber
W/2 NE NE/4 Sec. 22 Twp 31 Rge 13 East West

4620 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

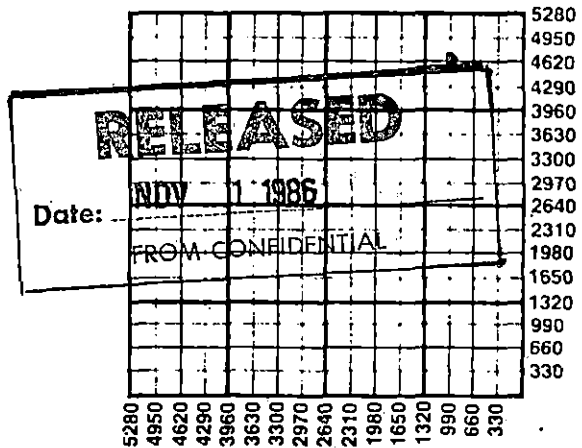
Lease Name packard Well # 4

Field Name Nurse Ext.

Producing Formation Viola

Elevation: Ground 1578 KB 1583

Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
 Groundwater.....Ft North from Southeast Corner (Well)Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge East West
 Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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. 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 *Kent R. Roberts*

Title Geologist Date 9/5/85

Subscribed and sworn to before me this 5th day of September 1985.

Notary Public *Mary Kathleen Bachmans*

Date Commission Expires



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

RECEIVED
SEP 12 1985

Form ACO-1 (7-84)

Sec 22 Twp 31 Rge 13

Operator Name Mid Continent Energy Lease Name Packard Well # 4

Sec. 22 Twp. 31 Rge. 13 East West County Barber

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1: (3574-92) Fr. blow, 30-30-30-30. Rec. 120' mdy. wtr., FP=81/91-121/121, SIP=1115-1074, HP=1822-1802.
 DST #2: (3628-45) GTS 35" Flow 9,500 CFGPD 30-30-45-45, Rec. 120' O&GCM(10%oil) 120' mdy. oily wtr. FP=101/101-132/132, SIP=1246-1287, HP=1845-1822.
 DST #3: (3740-70) Vry. wk. blow 30-30-90-45. Rec. 80' M w/spks. oil. FP=71/71-81/81, SIP=1176-1145, HP=1913-1893.
 DST #4: (3919-30) Gd. blow 30-30-35-45. Rec. 90' Mdy. wtr., 150' SW, FP=91/101-152/162, SIP=1550-1479, HP=2064-2044.
 DST #5: (4201-21) MISRUN, Hydraulic Failure
 DST #6: (4201-21) Fr. blow, 30-30-60-45. Rec. 135' Mdy. wtr., FP=142/162-91/111, SIP=1671-1671, HP=2246-2226. Tool plugging on initial flow, test considered valid.

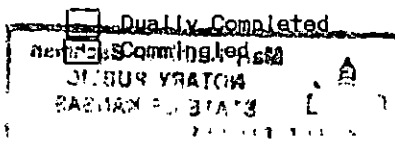
Name	Top	Bottom
Onaga	2586	-1003
Wabunsee	2638	-1055
Topeka	3284	-1701
Heebner	3514	-1931
Lansing	3694	-2111
Base/Kansas City	4194	-2561
Mississippi	4210	-2627
Kinderhook	4352	-2769
Viola	4433	-2850
R.T.D.	4489	-2906
P.B.T.D.	4486	-2903

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	#Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	20#	220	60/40 poz	150	2% Gel 3% CC
Production	7 7/8	4 1/2	10.5#	4486	surefield	175	6% Gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
4 shots/ft.	4452-4456			Natural			NOV 7 1986
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
Wait on Hook-up		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio		Gravity
12.8 MMCFGPD							
CAOF		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) 4452-4456'



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OIL & GAS CONSERVATION DIVISION

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Phone 316-265-9501

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 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
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Well Name
Comp. Date Old Total Depth

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 Mud Rotary Air Rotary Cable

6-24-85 7-5-85 7-6-85
Spud Date Date Reached TD Completion Date

4489 4486
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 220 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2283 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-007-22,056

County Barber

W/2 NE NE/4 Sec. 22 Twp. 22-31-13 Rge. 13
 East
 West

4620 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

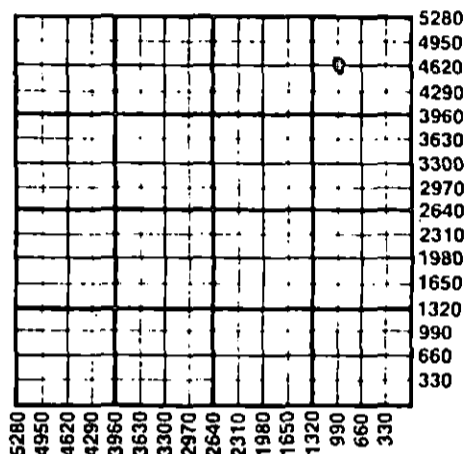
Lease Name packard Well # 4

Field Name Nurse Ext. Gates, North *

Producing Formation Viola

Elevation: Ground 1578 KB 1583

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
 Repressuring

Docket #

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Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain).....
(purchased from city, R.W.D. #)

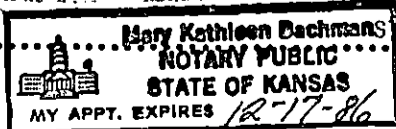
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All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature *Kent R. Roberts*
Title Geologist Date 9/5/85

Subscribed and sworn to before me this 5th day of September 1985.
Notary Public *Mary Kathleen Bachman*

Date Commission Expires



K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

RECEIVED

STATE CORPORATION COMMISSION

SEP 12 1985

Form ACO-1 (7-84)

Operator Name ... Mid-Continent Energy Corp. Lease Name... Packard Well #... 4

Sec... 22 Twp... 31S Rge... 13 East West County... Barber

WELL LOG

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.

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 Cores Taken Yes No

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 Log Sample

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Mississippi	4210	-2627
Kinderhook	4352	-2769
Viola	4433	-2850
R.T.D.	4489	-2906
P.B.T.D.	4486	-2903

RELEASED

NOV 13 1986

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used				FROM CONFIDENTIAL			
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	12 1/4"	8-5/8"	20#	220'	60/40 POZ	150	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10 1/2#	4486'	Surefill	175	6% Gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	4452-4456			Natural			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size 2-3/8"		Set At 4457'		Packer at	
Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....							
Estimated Production Per 24 Hours		Oil 45 Bbls	Gas 250 MCF	Water	Gas-Oil Ratio	Gravity	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Open Hole Perforation Other (Specify) 4452'-4456'
 Used on Lease Dually Completed Commingled