

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 # 6420
Name K.R.M. Petroleum Corporation
Address 1900 Grand Street, Suite #300
City/State/Zip Denver, Colorado 80203

Purchaser

Operator Contact Person James Catlin
Phone 303-830-6601

Contractor: License # 5671
Name KEVLIN DRILG, INC.

Wellsite Geologist Jim Spellman
Phone 303/830-6601

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

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

WELL HISTORY

Drilling Method:
x Mud Rotary Air Rotary Cable
12-22-86 1-1-87 1-1-87
Spud Date Date Reached TD Completion Date
4320 1414
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 450' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API No. 15-145-21-253-0000
County Pawnee
SW NE SW Sec 4 Twp 20 Rge 19 East West
1650 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

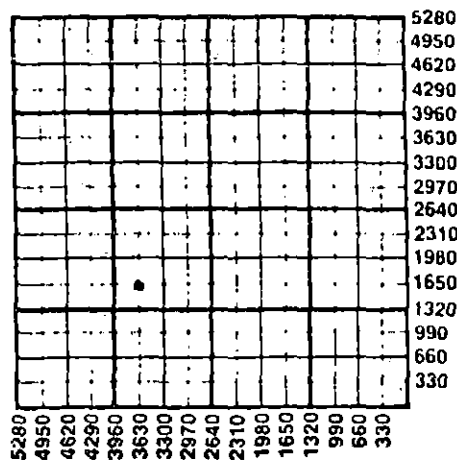
Lease Name Smith Well # 1-4

Field Name

Producing Formation

Elevation: Ground 2233 KB 2238

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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 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

x Other (explain) farmers pond less than 15' acre (purchased from city, R.W.D. #)

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. 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 true, complete and correct to the best of my knowledge.

Signature James E. Catlin JAN 20 1987

Title Vice President CONSERVATION DIVISION WICHITA, KANSAS

Subscribed and sworn to before me this 14 day of January 1987

Notary Public Cindy M. Schmidt

Date Commission Expires My Commission Expires Oct 4, 1989

1900 Grant St., Suite 300
Denver, CO 80203

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

Sec 4, Twp 20 Rge 19

Operator Name K.R.M. Petroleum Corporation Lease Name Smith Well # 1-4

Sec. 4 Twp. 20 Rge. 19 East West County Pawnee

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

Name Top Bottom

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.....	23#.....	450.....	60-40 Pot.	220.....	2% gel. 3% CC
Production....	Dry Hole						
.....							
.....							

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
.....
.....
.....
.....

TUBING RECORD	Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	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	Gas	Water	Gas-Oil-Ratio
	Bbls	MCF	Bbls	CFPB
				Gravity

METHOD OF COMPLETION

Production Interval

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

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 OIL & GAS CONSERVATION DIVISION
 WELL COMPLETION OR RECOMPLETION FORM
 ACO-1 WELL HISTORY
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 4320 1414
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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 James E. Catlin
 Title Vice President Date 1-1-87
 Subscribed and sworn to before me this 14 day of January 1987.
 Notary Public Cindy M. Schmidt
 Date Commission Expires 10/4/1989

1900 Grant St., Suite 300
 Denver, CO 80203

County Pawnee
 SW NE SW Sec. 4 Twp. 20 Rge. 19 East
 1650 Ft North from Southeast Corner of Section
 3630 Ft West from Southeast Corner of Section
 (Note: Locate well in section plat below)

Lease Name Smith Well # 1-6
 Field Name
 Producing Formation
 Elevation: Ground 2233 KB 2238

Section Plat

										5280					
										4950					
										4620					
										4290					
										3960					
										3630					
										3300					
										2970					
										2640					
										2310					
										1980					
										1650					
										1320					
										990					
										660					
										330					
5280	4950	4620	4290	3960	3630	3300	2970	2640	2310	1980	1650	1320	990	660	330

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
 Docket #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-5717

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) farmers pond less than 15' acre (purchased from city, R.W.D. #)

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 C Wireline Log Received
 C Drillers Time Log Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

STATE CORPORATION COMMISSION

Form ACO-1 (15-86)

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

Upper Pawnee 4183-4190 Numerous clusters of well rounded; well sorted, friable, fine grn. ss. trace of lt. brown free oil specs. gd. yell. flour. gd. streaming cut.

Lower Pawnee Sev. clusters of sub rnd. sub ang. ss. scat. dark brown free oil specs. not as porous as the upper ss. gd. yellow flour, strong cut. 4197-4200.

Name	Top	Bottom
Anhydrite	1386	
Heebner Sh.	3693	
Lansing Ls.	3740	
Stark Sh.	3972	
BKC	4036	
Pawnee Ls.	4157	
Labette Sh.	4179	
Pawnee Ss.	4184	
Ft. Scott Ls.	4210	
Cherokee SS	4220	
Miss. Dolo.	4300	
T.D.	4324	

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	23 1/2	450	60-40 Poz	220	2% gel 3% CC
Production	Dry Hole						
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)		Depth			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		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	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
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