

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 # 5242
Name Petroleum Management, Inc.
Address 400 N. Woodlawn, Suite 201
City/State/Zip Wichita, Kansas 67208

Purchaser: Koch Oil Company
Wichita, KS

Operator Contact Person Dale Silcott
Phone 316-686-7287

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist R. Gregory Williams
Phone 686-7287

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

5/28/87 6/5/87 7/14/87
Spud Date Date Reached TD Completion Date
3,793' 3742'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 253' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1935' feet
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt

API NO. 15-065-22,378-00-00
County Graham
S/2 SE/4 SE/4 10 6S 21W East
Sec. Twp. Rge. West

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

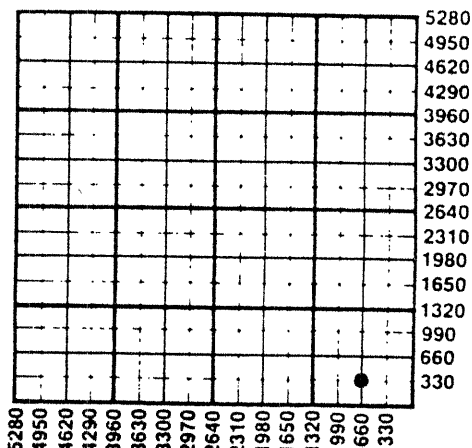
Lease Name Helen Holmquist Well # 3

Field Name Pioneer

Producing Formation Lansing-Kansas City

Elevation: Ground 2252' KB 2257'

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 # T-87-183

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

Surface Water 3300 Ft North from Southeast Corner (Stream, pond etc) 3300 Ft West from Southeast Corner Sec 9 Twp 6S Rge 21 East West
Roy L. Voss, Densmore, Ks. 67633

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

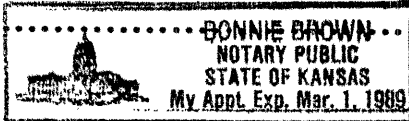
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held 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 R. Gregory Williams
Title Geologist Date 9/2/87

Subscribed and sworn to before me this 2nd day of September 1987
Notary Public

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)

3-1-89
Rec'd
10-16-87

Sec. 10, Twp. 6, Rge. 21, W. 1/4

Operator Name Petroleum Management, Inc. Lease Name Helen Holmquist Well # 3

Sec. 10 Twp. 6S Rge. 21W East West County Graham

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																																							
DST #1 3498'-3518' Open 45 min with strong blow in 17 min. Closed 45 min. Open 30 min. with strong blow in 23 min. Recovered 630' of water. IFP 77-209 psi FFP 286-319 ISIP 1213 FSIP 1203	<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Base Fort Hays</td><td>482'</td><td></td></tr> <tr><td>Base Anhydrite</td><td>1932'</td><td></td></tr> <tr><td>Topeka</td><td>3265'</td><td></td></tr> <tr><td>Oread</td><td>3424'</td><td></td></tr> <tr><td>Heebner</td><td>3465'</td><td></td></tr> <tr><td>Toronto</td><td>3490'</td><td></td></tr> <tr><td>Lansing</td><td>3506'</td><td></td></tr> <tr><td>Base Kansas City</td><td>3694'</td><td></td></tr> <tr><td>Marmaton</td><td>3718'</td><td></td></tr> <tr><td>Granite Wash</td><td>3760'</td><td></td></tr> <tr><td>Granite</td><td>3778'</td><td></td></tr> <tr><td>R.T.D.</td><td>3793'</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	Base Fort Hays	482'		Base Anhydrite	1932'		Topeka	3265'		Oread	3424'		Heebner	3465'		Toronto	3490'		Lansing	3506'		Base Kansas City	3694'		Marmaton	3718'		Granite Wash	3760'		Granite	3778'		R.T.D.	3793'	
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DST #2 3561'-3590' Open 45 min with strong blow in 32 min. Closed 45 min. Open 45 min with strong blow in 38 min. Closed 45 min. Recovered 240' gas in pipe, 80' clean oil 38°, 130' muddy oil. IFP 63-95 psi FFP 114-138 ISIP 1045 FSIP 1009	IFP FROM CONFIDENTIAL 121-132 ISIP 1136 FSIP 1104																																							
DST #3 3637'-3666' Open 45 min with strong blow in 30 min. Closed 45 min. Open 45 min with strong blow in 30 min. Closed 45 min. Recovered 300' of gas in pipe, 10' clean oil, 170' muddy oil.	IFP FROM CONFIDENTIAL 121-132 ISIP 1136 FSIP 1104																																							

RELEASED
1020-88
OCT 20 1988

CASING RECORD <input checked="" type="checkbox"/> New & <input checked="" 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"	36#	253'	60/40 Pop	165	3%CC 2% Gel
Production	7 7/8"	4 1/2"	10.5#	3,792'	60/40 Pop Lite	150 390	
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
3678-80'				250 gal 250 MCA 3678-80'			
3661-64; 3651-57';				1500 gal 15% NE, 3000 gal 3661-64'			
3571-84'				1500 gal 15% SGA 15% SGA 3651-57' 3571-84'			
TUBING RECORD Size 2 3/8"		Set At 3742'		Packer at Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production 7/21/87		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil 50 Bbls	Gas MCF	Water 10 Bbls	Gas-Oil Ratio	Gravity	CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Solid Other (Specify) 3506-3694
 Used on Lease Dually Completed
 Corringled