

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 # 5238
Name PETROLEUM, INC
Address Epic Center, Suite 900
301 N. Main
City/State/Zip Wichita, Kansas 67202

Purchaser Koch Oil

Operator Contact Person Terry Naylor
Phone 316-793-8471

Contractor: License # 5418
Name Allen Drilling Company

Wellsite Geologist Jim Clark
Phone 316/683-6966

Designate Type of Completion

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

If **OWNO**: old well info as follows:

Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

10-24-87 11-4-87 1-12-88
Spud Date Date Reached TD Completion Date
4466' 4425'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 230' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ feet
If alternate 2 completion, cement circulated
from 1500' feet depth to 0' w/ 300 SX cmt
Cement Company Name B. J. Titan Services
Invoice # Invoice not yet received

API NO. 15-135-23-179-0000

County Ness

100' E. C. W/2 NE SW 31 Sec. 31 Twp. 17S Rge. 23 East West

1980 Ft North from Southeast Corner of Section
3530 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

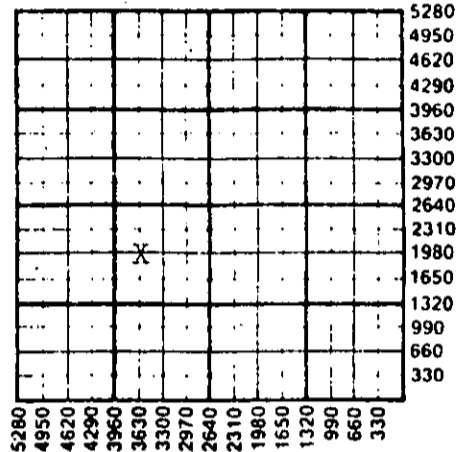
Lease Name Harcher 'C' Well # 1

Field Name Guster West Mine

Producing Formation Mississippi

Elevation: Ground 2392 KB 2397

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # CD-28310 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 of
Sec Twp Rge East West

Surface Water 3300 Ft North from Southeast Corner
OSK pond 3630 Ft West from Southeast Corner
Sec 31 Twp 17S Rge 23 East West

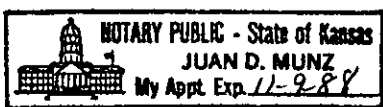
Other (explain) _____
(purchased from city, R.W.D. #)

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 complete and correct to the best of my knowledge.

Signature Terry Naylor
Title Kansas District Superintendent Date 2-16-88

Subscribed and sworn to before me this 16th day of February 1988
Notary Public Juan D. Munz
Date Commission Expires 11-9-88



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)

Form ACO-1 (5-86)

2-17-88

Sec 31 Twp 17Rge 23

SIDE TWO

Operator Name **PETROLEUM, INC.** Lease Name **Harchem 'C'** Well # **1**

Sec. **31** Twp. **17S** Rge. **23** East West County **Ness**

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, 3840-3875', 30-60-45-90. Rec 80' GIP, 160' mdy wtr w/few spots oil. IFP 35-58, ISIP 1226, FFP 70-105, FSIP 1203.
 DST #2, 4022-4049', 15-30-45-90. Rec 380' wtr. IFP 35-70, ISIP 1338, FFP 93-198, FSIP 1340.
 DST #3, 4051-4081', 15-30-45-90. Rec 60' GIP, 1710' wtr. IFP 93-233, ISIP 1305, FFP 268-594, FSIP 1305.
 DST #4, 4105-4171', 30-30-30-30. Rec 15' mud. IFP 46-46, ISIP 70, FFP 58-70, FSIP 105.
 DST #5, 4290-4329', 30-30-30-30. Rec 15' mud. IFP 35-35, ISIP 58, FFP 35-35, FSIP 46.
 DST #6, 4368-4393', 15-30-60-120. Rec 80' GIP, 10' clean oil, 30' oil cut mud. IFP 35-35, ISIP 140, FFP 35-46, FSIP 140.
 DST #7, 4399-4410', 30-30-30-30. Rec 15' mud. IFP 35-35, ISIP 233, FFP 35-35, FSIP 93.
 DST #8, 4402-4416', Misrun.
 DST #9, 4408-4416', Misrun, mandrel plugged. 15-30-60-120. Rec 1' free oil, 19' muddy oil. FP none. ISIP 1328, FSIP 1328.
 DST #10, 4408-4416', Tool plugged.

Name	Top	Bottom
Anhydrite	1686 (+ 711)	
B/Anhydrite	1719 (+ 678)	
Heebner	3768 (-1371)	
L/KC	3808 (-1411)	
B/KC	4098 (-1701)	
Marmaton	4140 (-1743)	
Ft. Scott	4300 (-1903)	
Cherokee	4321 (-1924)	
Cherokee Sh.	4379 (-1982)	
Miss. Dolo.	4399 (-2002)	

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 Production	12 1/4" 7 7/8"	8 5/8" 5 1/2"	20# 14#	230' 4464'	60/40 Poz. 60/40 Poz.	140 100	2% Gel, 3% CC 2% Gel, 10% Salt
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	4400-09'			250 gal. 15% MCA		4400-09'	
4	4409-14'			500 gal. 15% NE		4400-14'	
TUBING RECORD							
Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
2 3/8"	4422'	NA					
Date of First Production	Producing Method						
1-12-88	<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			
	49 Bbls	0 MCF	80 Bbls	0.1300 Gravity			

RELEASED
FROM CONFIDENTIAL

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4400-14'
 Used on Lease Dually Completed
 Commingled

Amended

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

5

API NO. 15-135-23-179

County... Ness
W/2 NE SW East
100' E. C. Sec. 31 Twp 17S Rge. 23 X West

Operator: License # 5238
Name Petroleum, Inc.
Address P.O. Box 1447
City/State/Zip Great Bend, KS 67530

1980 Ft North from Southeast Corner of Section
3530 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Koch Oil

Lease Name Horchem 'C' Well # 1

Operator Contact Person Terry Naylor
Phone 316-793-8471

Field Name Custer West Miner

Contractor: License # 5418
Name Allen Drilling Company

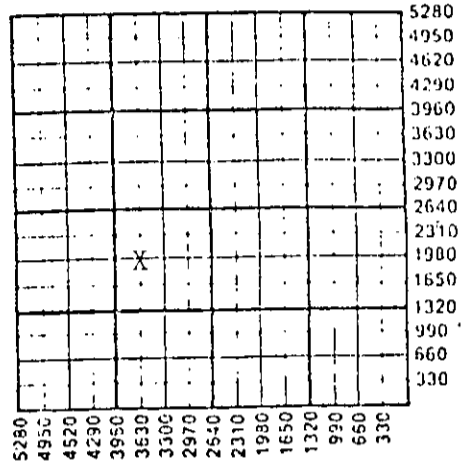
Producing Formation Mississippi

Wellsite Geologist Jim Clark
Phone 316/683-6966

Elevation: Ground 2392 KB 2397

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

Section Plat



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

WATER SUPPLY INFORMATION

Disposition of Produced Water: X Disposal
Docket # CD-28310 Repressuring

WELL HISTORY

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

Drilling Method:
X Mud Rotary Air Rotary Cable
10-24-87 11-4-87 1-12-88
Spud Date Date Reached TD Completion Date
4466' 4425'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 230 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set... feet
If alternate 2 completion, cement circulated
from 1500 feet depth to 0 w/ 300 SX cmt
Cement Company Name B. J. Titan Services
Invoice # PQ057

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
X Surface Water 3300 Ft North from Southeast Corner
(~~3300~~ pond ~~3300~~) 3630 Ft West from Southeast Corner
Sec 31 Twp 17S Rge 23 East X West
Other (explain) (purchased from city, R.W.D. #)

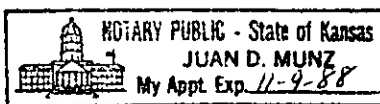
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All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Terry Naylor
Title Dist. Prod. Supt. Date 2-24-88

Subscribed and sworn to before me this 24th day of February 1988
Notary Public Juan D. Munz
Date Commission Expires 11-9-88

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



Sec. 31 Twp. 17S Rge. 23

SIDE TWO

Operator Name PETROLEUM, INC. Lease Name..... Hatcher 'C' Well #.....

Sec... 11 Twp... 17S Rge... 23 East West County... Ness

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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RELEASED

MAR 30 1989

FROM CONFIDENTIAL

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TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At	Packer at				
2 3/8"		4422'	NA				
Date of First Production		Producing Method					
1-12-88		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
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49 Bbls		0 MCF	80 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
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 Conmingled