

AMENDED GAS WELL

SIDE ONE

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

API NO. 15-129-20,841-0000

County Morton

C. E. / 2 SW SW Sec. 21 Twp. 32S Rge. 42 East West

660 Ft North from Southeast Corner of Section  
4290 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name KIRKPATRICK "A" Well #1-21

Field Name Pankratz

Producing Formation Morrow

Elevation: Ground 3522' KB 3531'

Operator: License # 6378  
Name Hawkins Oil & Gas, Inc.  
Address 400 S. Boston, Suite 800  
City/State/Zip Tulsa, OK, 74103

Purchaser Undetermined

Operator Contact Person Butch Smith  
Phone (918) 585-3121

Contractor: License # 6033  
Name Murfin Drilling Co.

Wellsite Geologist Roger Bare  
Phone (405) 453-7944

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 N/A  
Well Name  
Comp. Date Old Total Depth

Section Plat

Table with 10 columns and 10 rows representing a section plat grid. The vertical axis on the right is labeled with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330. The horizontal axis at the bottom is labeled with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330.

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: Hauled  
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. #)

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
1-15-87 1-27-87 2-11-87  
Spud Date Date Reached TD Completion Date  
5400'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1594 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 #

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 Butch Smith  
Title Production Manager Date 5/11/87

Subscribed and sworn to before me this 11th day of May 1987  
Notary Public  
Date Commission Expires Oct 6, 1989

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
RECEIVED (Specify)  
STATE CORPORATION COMMISSION  
Form ACO-1 (5-86)

Sec 21, Twp 32S, Rge 42E

Operator Name ..... Hawkins Oil & Gas, Inc. .... Lease Name ..... Kirkpatrick "A" ..... Well # ..... 1-21 .....

Sec. .... 21 .... Twp. .... 32S .... Rge. .... 42 ....  East  West County ..... Morton .....

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

DST #1 4943-4958- 30-60-60-120  
 IH 2628#. IF 105-343#. GTS in 15".  
 ISI 1077#. FF 158-290#. FSI 1077#.  
 FH 2596#. Rec. 170' GCDM. Sampler  
 results: 320# press, 1.9998 cf gas,  
 no liquid.

Formation Description  
 Log  Sample

Name	Top	Bottom
Neva	2538'	2980'
Topeka	2980'	3324'
Heebner	3324'	4050'
Marmaton	4050'	4590'
Morrow	4590'	5078'
Chester	5078'	5154'
St. Gen	5154'	5180'
St. Louis	5180'	5400'
TD	5400'	

FROM COMPLETION

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	12 1/4"	9 5/8"	49#	1594'	CJ "C"	350	2% cc
Production	7 7/8"	4 1/2"	11.6# 10.5	5230'	Lite CJ "H"	150 50 300	3% cc .6% Halad 322

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4947-4956		

TUBING RECORD Size 2 3/8" Set At 4886 Packer at 4886 Liner Run  Yes  No

Date of First Production SI, WOPL Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	0 Bbls	1100 MCF	0 Bbls	N/A	CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 To be sold  Sold  Other (Specify) ..... 4947-4956 .....

Dually Completed  
 Commingled