

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASEOperator: License # 6378
Name Hawkins Oil & Gas, Inc.
Address P.O. Box 1282
Liberal, KS 67901
City/State/ZipPurchaser n/a
.....Operator Contact Person Stan L. Brady
Phone (316) 624-8327Contractor: License # 6033
Name Murfin Drilling Co.Wellsite Geologist Don L. Huber
Phone (316) 624-8222

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:

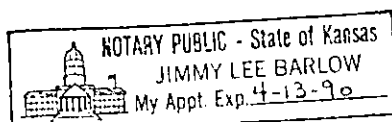
☒ Mud Rotary ☐ Air Rotary ☐ Cable6-16-86 6-28-86 7-1-86
.....
Spud Date Date Reached TD Completion Date
5455' n/a
.....
Total Depth PBTDAmount of Surface Pipe Set and Cemented at 1593' feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set.....feet
If alternate 2 completion, cement 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.

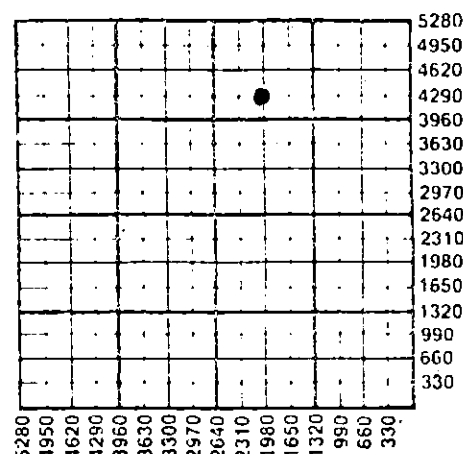
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

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 Stan L. BradyTitle Area Engineer Date 7-14-86Subscribed and sworn to before me this 14th day of July
1986Notary Public Jimmy Lee BarlowDate Commission Expires 4-13-90API NO. 15- 129-20813-0000County MortonC S/2 NW NE Sec. 21 Twp. 32S Rge. 42 East
..... West4290 Ft North from Southeast Corner of Section
1980 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)Lease Name Vail Well # 1-21Field Name n/aProducing Formation n/aElevation: Ground 3511' KB 3523'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: n/a ☐ 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 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 existing irrigation
well owned (purchased from city, R.W.D. #)
by George Atwood

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

Form ACO-1 (5-86)

Operator Name Hawkins Oil & Gas, Inc. Lease Name Vail Well # 1-21Sec. 21 Twp. 32S Rge. 42W ☐ 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 4925'-5006' 30-60-60-120

I Hyd 2463#

IF 112#-129# weak blow at surface. NGTS

ISI 967#

FF 145#-161# weak blow at surface.

FSI 1032#

F Hyd 2463#

Recovery: 180' SO&GCDM

DST #2 5390'-5450' 30-60-60-120

I Hyd 2655#

IF 129#-209# weak blow throughout

ISI 1353#

FF 225#-338#

FSI 1353#

F Hyd 2655#

Recovery: 360' GCDM, 90' GCWDM, 180' GCW

Sample Chamber: 120 psi; .115 cu. ft. gas; 1700
cc water, 10,000 ppm Chl; Rw .2 @ 142 deg; 200
cc mud.Cores Recovered @ 4990'; 4993'; 4995'; 4996';
4998'

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Neva	2564'	
Topeka	3010'	
Heebner	3365'	
Marmaton	4069'	
Morrow	4616'	
"G" Sand	4983'	
Keyes	5061'	
Chester	5108'	
Ste Gen	5190'	
St Louis	5247'	

RELEASED

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 casing	12 1/4"	8-5/8"	24#	1593'	lite	540	3% salt, 2% cc, 1/4# celo flake
					class H	200	3% cc

PERFORATION RECORD

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

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No
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Date of First Production	Producing Method
	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity

METHOD OF COMPLETION

Production Interval

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