

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 # 5003  
Name McCoy Petroleum Corporation  
Address 110 S. Main, Suite 500  
City/State/Zip Wichita, Kansas 67202

Purchaser Koch Oil Company  
Wichita, Kansas

Operator Contact Person Roger McCoy  
Phone 316-265-9697

Contractor: License # 5429  
Name Hayes Well Service

Wellsite Geologist Roger McCoy  
Phone 316-265-9697

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

If OHWO: old well info as follows:  
Operator McCoy Petroleum Corporation  
Well Name Simon #1  
Comp. Date 9-27-76 Old Total Depth 4161

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
4-6-87 4-7-87 4-18-87  
Spud Date Date Reached TD Completion Date  
4187 4153  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 311 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. 15-095-20521-90-01

County McCoy Petroleum Corporation KINGMAN

SE NE NE Sec 16 Twp 30 Rge 7 East West

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

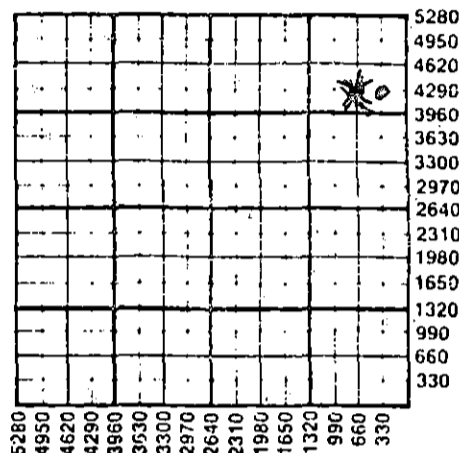
Lease Name Helen Well # 1

Field Name Spivey-Grabs

Producing Formation Mississippian

Elevation: Ground 1446 KB 1456

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # CD9795  
C-19,640  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 Oiler, Inc. (purchased from city, R.W.D. #) Spivey, Kansas

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 John Roy Meloy  
Title President Date 8-17-87

Subscribed and sworn to before me this 17th day of August 1987.  
Notary Public Lorna Leslie Hull

Date Commission Expires 1-11-87

LORNA LESLIE HULL  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 1-11-88

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

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AUG 18 1987

Form ACO-1 (5-86)

Sec 16, Twp 30 Rge 7W

SIDE TWO

Operator Name McCoy Petroleum Corporation Lease Name Helen Well # 1

Sec. 16 Twp. 30S Rge. 7  East  West County Kingman

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
Heebner	3076	(-1620)
Lansing	3280	(-1824)
Kansas City	3592	(-2136)
Stark Shale	3739	(-2283)
Cherokee	3991	(-2535)
Mississippian	4124	(-2668)
LTD	4187	(-2731)

CASING RECORD <input 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"	24#	311'	Common	250	2% gel. 3% cc.
Production	7-7/8"	5-1/2"	14#	4186'	60-40 Pns	125	2% gel. 10% gilsonite
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	4124-4132			Acid: 750 gal. 15% FE		Same	
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Size		Set At	Packer at				
2-7/8" EUE		4129'	None				
Date of First Production	Producing Method						
	<input checked="" 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
	55	Bbls	218	MCF		Bbls	3964/1
							CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 4124-4132'  
 Used on Lease  Dually Completed  Commingled  
 Mississippian..

**WELL REPORT**

#190 (87-3)

McCoy Petroleum Corporation  
#1 Helen  
SE NE NE Sec. 16-30S-7W  
Spivey-Grabs Field  
Kingman County, Kansas  
API #15-095-20,521

**INFORMATION ON OLD HOLE:**

McCoy Petroleum Company  
#1 Simon

Contractor: Sweetman Drilling, Inc.  
Geologist: Bob McCann

Elevations: 1446 GL 1456 KB Measurements from KB

Commenced: September 18, 1976  
Completed: September 27, 1976

Surface Casing: 8-5/8" @ 311' with 250 sx common cement

Electric Logs: Dresser Atlas GR N LL D

Electric Log Tops:	Heebner	3076 (-1620)
	Lansing	3280 (-1824)
	Kansas City	3592 (-2136)
	Stark Shale	3739 (-2283)
	Cherokee Shale	3991 (-2535)
	Mississippian	4124 (-2668)
	Log Total Depth	4161 (-2705)

DST #1 4124-4140' (Mississippian)  
Open 30", SI 45", Open 60", SI 60"  
Gas to the surface in 3 minutes.  
Gauge 253,000 CFGPD in 10" on 1st open,  
231,000 CFGPD in 20"  
222,000 CFGPD in 30"  
Gauge 259,000 CFGPD in 5" on 2nd open,  
274,000 CFGPD in 15"  
259,000 CFGPD in 25"  
211,000 CFGPD in 35" and stabilize

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CONSERVATION DIVISION  
Wichita, Kansas

McCoy Petroleum Corporation  
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SE NE NE Sec. 16-30S-7W  
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DST #1 (Continued from page 1)

Recovered 63' of heavily oil and gas cut mud,  
345' of gassy oil,  
90' of slightly oil cut muddy water,  
441' of salt water.

ISIP 1179# FSIP 1169# FP 125-198# 209-365#

DST #2 4145-4160' (Mississippian)

Open 30", SI 45", Open 60", SI 60"

Good blow throughout test.

Recovered 70' of watery mud w/ a few oil spots,  
126' of slightly oil cut muddy water.

ISIP 1056# FSIP 1035# FP 53-63# 85-106#

Well was plugged and abandoned on September 27, 1976.

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#### NEW INFORMATION

4-03-87 Dig out top of old surface casing. Start moving in Hayes Well Service. Rig up.

4-06-87 Start drilling cement in surface casing @ 9:00 AM. Drill plugs, wash down and clean out to old RTD of 4160'. Reach old RTD @ 3:45 AM on 4-07-87.

4-07-87 Drilling new hole @ 4171'. Drill new hole to 4187'.

4-08-87 New RTD @ 4187'. Set 98 joints of new 5 1/2" OD, 14#, R-3, API casing @ 4186'. Shoe joint with guide shoe = 30.71'. Halliburton cemented with 125 sacks of Pozmix Cement containing 40% Pozzolan, 60% cement, 2% gel, .75% CFR-2 and 10# gilsonite per sack. Run 300 gallons of Super Flush K Fluid ahead of cement. PD @ 7:40 AM.

4-09-87 WOC

4-16-87 Hayes Well Service unit still on hole. Swab casing down to approximately 3500'. Rig up Great Guns. Run Gamma Ray CCL Log. Perforate Mississippian from 4124 to 4132' with 4 DP shots per foot. Gas to surface in approximately 5 minutes. Venting

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estimated 100 to 150 MCF/GPD. Run 131 joints of used drifted and tested 2-7/8" EUE tubing. Swing @ 4129' KB. Rig up to swab tubing. 1st pull recovered 1200' of fluid, estimated 50% oil. 2nd pull recovered 1000' of fluid, estimated 15% oil. Casing pressure built to 250#. Shut in for night.

4-17-87 SICP 890# SITP 250# Blow down tubing. Pull swab. Recovered 800' of oil and 1200' of oily water. Made 15.08 BF in tank. 1 hour after pull, flowing 227,000 CF/GPD with 360# CP. Made .58 BF in tank. Flow for 3 more hours. Made no fluid to surface. Casing pressure dropped to 220# and increased to 400# as tubing started loading up with fluid and gas volume decreased. Pull swab. Recovered 6.96 BF, estimated 35 to 40% oil. Should have recovered most of the fluid in the hole as the casing pressure dropped to 50# as the fluid came around bottom following the swab pull. It appears the well is making about 2.32 BFPH, 35 to 40% oil, with approximately 100,000 CF/GPD, natural. Rig up Halliburton to acidize. Load hole, circulate acid across perforations. Acidize with 750 gallons of 15% FE acid down tubing as follows: Pump 3/4 BPM @ 450#. Pump 1 1/2 BPM @ 950# falling to 800#. Pump 3 BPM @ 1200# falling to 650#. Pump 5 BPM @ 1100# falling to 1000# final pressure. ISIP 400#. On vacuum in 4 minutes. Total load = 116 barrels.

Start swabbing back load. With 81.71 BF (-34.29 BL) swabbed back, the well kicked off flowing. When the well kicked off, the CP was 30# and the well was making 13% oil. Flow through test separator. Three hour flow test as follows:

1st hr. Flow 27.54 BF, 17% oil. Gauge 325,000 CFG.  
FCP 260# FTP 50#

2nd hr. Flow 22.62 BF, 17% oil. Gauge 275,000 CFG.  
FCP 500# FTP 50#

3rd hr. Flow 22.04 BF, 22% oil. Gauge 331,000 CFG.  
FCP 495# FTP 150#

Shut in for night.

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- 4-18-87 SICP 1000# SITP 660# Release Hayes Well Service.  
Will set tank battery and obtain pipeline  
connections for SWDW and natural gas.
- 4-20-87 SICP 1030# SITP 900#
- 4-21-87 Making tank battery grades and road.
- 4-23-87 Setting Tank Battery. Set (3) 200 Barrel WS Stock  
Tanks, (1) 6'x 20' Heater-Treater, (1) 30" x 10'  
Vertical 125# WP Separator and (1) 30" x 10'  
Horizontal Free Water Knock Out.
- 5-04-87 Rice Engineering will lay gas pipeline and SWDW line  
to junction with existing lines on our Gilchrist  
lease. Rice Engineering has obtained right-of-way  
and is currently obtaining permits to bore the  
highway and the railroad. Construction will start  
as soon as the necessary permits are obtained.

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