

CONFIDENTIAL

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SIDE ONE

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

Operator: License # 5003

Name: McCoy Petroleum Corporation

Address 3017 N. Cypress

Wichita, Kansas **RELEASED**

City/State/Zip 67226-4003

Purchaser: Petro Source Corporation

Operator Contact Person: Steve O'Neill **FROM CONFIDENTIAL**

Phone (316) 636-2737

Contractor: Name: Sweetman Drilling, Inc.

License: 5658

Wellsite Geologist: John Hastings

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well-info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening _____ Re-perf. _____ Conv. to Inj/SWD KOU

Plug Back _____ PBTB

Commingled _____ Docket No. _____ **OCT 2 1**

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____ **CONFIDENTIAL**

9/14/96 9/23/96 10/15/96

Spud Date Date Reached TD Completion Date

API NO. 15- 189-22,102-0000

County Stevens

C W2 SW SE Sec. 24 Twp. 32s Rge. 38w X E

660' FSL Feet from S/N (circle one) Line of Section

2310' FEL Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name SPIKES "B" Well # 1-24

Wildcat

Producing Formation Morrow

Elevation: Ground 3153' KB 3166'

Total Depth 6300' PBTB _____

Amount of Surface Pipe Set and Cemented at 1468' Feet

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 976 11-21-96
(Data must be collected from the Reserve Pit)

Chloride content 3000 ppm Fluid volume 2150 bbls

Dewatering method used Evaporation **RECEIVED**

Location of fluid disposal if hauled offsite: KANSAS CORPORATION COMMISSION

Operator Name _____ **OCT 2 4 1996**

Lease Name _____ License No. _____

Quarter Sec. Twp. _____ **CONSERVATION DIVISION**

County _____ Docket No. WICHITA, KS

INSTRUCTIONS: An Original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Brent B. Reinhardt

Title Regulatory Geologist Date 10/21/96

Subscribed and sworn to before me this 21st day of October 1996

Notary Public Deborah Ann Paulus

Date Commission Expires January 8, 2000

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

OCT 2 4 1996



CONSERVATION DIVISION
WICHITA, KS

Form ACO-1 (7-91)

Operator Name McCoy Petroleum Corporation Lease Name SPIKES "B" Well # 1-24
 Sec. 24 Twp. 32s Rge. 38w East West
 County Stevens

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 (Attach Additional Sheets.) Yes No Log Formation (Top), Depth and Datums Sample

Samples Sent to Geological Survey Yes No

Cores Taken Yes No Name COB P S MAL Top Datum

Electric Log Run (Submit Copy.) Yes No See Attached Log Tops

List All E.Logs Run:
 Schlumberger: Comp. Neut., Litho-Dens., GR, Array Induc., SP, Micro Res., Microlog, BHC
 Sonic. Halliburton: Cement Bond Log.
 See Attached DST Reports

CASING RECORD <input checked="" type="checkbox"/> New <input 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"	32#	1468'	MidCon/Prem	625	1#Flo. 6#Gil
Production	7 7/8"	4 1/2"	10.5#	6298'	35/65Poz	325	10%Salt, 6%Gil

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input checked="" type="checkbox"/> Perforate	5270-6300	Self-Stress	200 sxs	10%D-53, 10%Salt, 2%CC, .5%D-60, .2%D-46	
<input type="checkbox"/> Protect Casing	800'-3148	35/65Poz	250 sxs	6%D-20, 2%CC, 75 sxs Class C Cement, 2%CC.	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	6018-6030, 5978-5982 Lower Morrow Sands	AC: 1500 gals 15% DSFE-NE, 150 gal Musol A Solv, FR: 37,000 gals CO2 foam, 59,100# 20/40 Sand, 4000 gls treated wtr.	6030'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	5957'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Resumed Production, SWD or Inj. Production	Producing Method
10/15/96	<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	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	1		1,162		30		1,162 MCFD:1 BOPD	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify)

Production Interval: 5978-6030' Mor

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McCoy Petroleum Corporation
Spikes 'B' #1-24
W/2 SW SE
Section 24-32S-38W
Stevens County, Kansas
API #15-189-22,102

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ACO-1 Continued

DST INFORMATION:

DST #1 5984'- 6046' (Lower Morrow Sand) (Tailpipe Straddle)

Open 30", SI 60", Open 60", SI 120"

1st Open: GTS 90 seconds

Gauged: 1,824,000 CFG after 5 min thru 1-1/2" choke

1,420,000 CFG 10 min

1,123,000 CFG 15 min

953,000 CFG 20 min

764,000 CFG 25 min

654,000 CFG 30 min

2nd Open: 848,000 CFG 5 min

779,000 CFG 10 min

510,000 CFG 20 min

370,000 CFG 30 min

303,000 CFG 40 min

259,000 CFG 50 min

227,000 CFG 60 min

Recovered: 40' Drilling Mud

FP: 900-155 / 674-72# *See pressure charts

SIP: 1184-1093#

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CONSERVATION DIVISION
WICHITA, KS

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WICHITA, KS

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*McCoy Petroleum Corporation
Spikes 'B' #1-24
W/2 SW SE
Section 24-32S-38W
Stevens County, Kansas
API #15-189-22,102*

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ACO-1 Continued

LOG TOPS:

Heebner Shale	4080(-914)
Lansing	4141(-975)
Stark Shale	4684(-1518)
Swope Limestone	4700(-1534)
Swope Ø	4725(-1559)
Marmaton	4897(-1731)
Marmaton 'B' Ø	4916(-1750)
Fort Scott	5095(-1929)
Cherokee Shale	5120(-1954)
Morrow Shale	5625(-2459)
Lwr. Morrow Sd.	5977(-2811)
Upper Trans. Seq. Ø	6017(-2851)
Lwr. Trans. Seq.	6038(-2872)
Chester Lime	6090(-2924)
St. Genevieve	6136(-2970)
St. Louis	6229(-3063)
RTD	6300(-3134)
LTD	6300(-3134)

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WICHITA, KS



WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Stevens STATE KS

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FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	32#	8 5/8	0	1480	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-15-96</u>	DATE <u>9-15-96</u>	DATE <u>9-15-96</u>	DATE <u>9-15-96</u>
TIME <u>13:00</u>	TIME <u>15:45</u>	TIME <u>20:20</u>	TIME <u>22:35</u>

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE	1	Howood
CENTRALIZERS	4	
BOTTOM PLUG	1	
TOP PLUG	1	
HEAD		
Insert	1	
OTHER Fill Tub.	1	

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
A.R. Stedridge	94453	Duncan OK
70722	P/U	
John Kloft	52276-7131	Duncan OK
85257	RCM	
Clint Ashley	5784-4689	Hugoton KS
44061	Bulk	
Stan Telford	50737	Hugoton KS
H4817	Bulk	
Sean Hill	94453	0090
H3909	P/U	Africa

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE **RELEASED**

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. JAN 29 1999 %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement Spol **OCT 21**

DESCRIPTION OF JOB Surface

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JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Brad Boy

HALLIBURTON OPERATOR R Stedrick COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	200	midcon 3		B	6# Gilsonite, 1# Flocele, 3% CC	3.22	11.1
2	225	midcon 3		B	4# Flocele - 3% CC	3.22	11.1
3	200	Prem Plus		B	4# Flocele - 2% CC	1.32	14.8

PRESSURES IN PSI _____ SUMMARY _____ VOLUMES _____

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 42.00 REASON Shoe Joint

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See Job Log

OCT 24 1996

CONSERVATION DIVISION WICHITA, KS

CUSTOMER MCCoy/Hallicum LEASE SPICES WELL NO. 1-2-72 JOB TYPE 1-2-72

JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
McCoy Pet	1-24	Spikes "B"	8 5/8 Surface	106012

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (CAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	13:00							CALL OUT
	15:45							DN LOCATION ORIGINAL
	17:00							Safety MTG.
	17:40							Run Float Equipment
	19:55							Break Circ w/ Rig pump (Ball Dropped)
	20:20							DROP Bottom Plug
	20:22	1	5				150	Pump water Ahead (LOAD Top Plug)
	20:30	8	114.7				270	Mix & Pump 200SKS. Midcon 3 w/ 6% Gilsomite, 1 1/2% Flaccle, 3% CC @ 11.1, 3.22, 20.7
	20:49	8	129.0				160	Mix & pump 225SKS. midcon 3 w/ 1/4 1/2% Flaccle, 3% CC @ 11.3, 3.22, 20.6
	21:03	8	47.0				100	Mix & pump 200SKS. prem. plus w/ 1/4 1/2% Flaccle, 2% CC, @ 14.8#, 1.32, 6.3
	21:10							DROP TOP PLUG
	21:12	5					50	Displace w/ 87 BBL water
	21:20	3	27				50	slow rate dn.
	21:30	0	47				0	Shut-down - Jet pits out
	21:40	1					50	pump 20 BBLs.
	22:00	0	67				0	Shut-down - wait
	22:10	1	87				670	pump last 20 BBL displacement
	22:30		87				1200	Bump Plug
	22:31						0	Release - Float Held
	22:35							Rig down
								FROM CONFIDENTIAL (Cmt. Return in Last 6 BBL of Cmt. mix Prior to displacement.)
								Thanks Rocky, John & Sean

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CONSERVATION DIVISION
WICHITA, KS

DS-498-A PRINTED IN U.S.A.

WELL NAME AND NO. SPIKES "B" 1-24
LOCATION (LEGAL) SEC, 24-325-384
FIELD-POOL Hugoton
FORMATION
COUNTY/PARISH STEVENS
STATE KS
API. NO.

RIG NAME: Sweetman 1
WELL DATA:
BIT SIZE 4 1/2
TOTAL DEPTH 1015
CSG/Liner Size 6 3/8
WEIGHT 55E
FOOTAGE 55E
MUD TYPE GRADE
MUD DENSITY 6.45
MUD VISC. 2.25
DISP. CAPACITY 4.86
ORIGINAL
TOTAL

NAME McCoy Petroleum CONFIDENTIAL
AND
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS
Safety cont 4 1/2 2 STG 1.5 GR PER
customer instructions

Head & Plugs
TOOL TYPE DEPTH
SQUEEZE JOB
TUBING VOLUME
CASING VOL. BELOW TOOL
ANNUAL VOLUME

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE PSI
PRESSURE LIMIT 1500 PSI
ROTATE RPM RECIPROCATATE FT No. of Centralizers

Table with columns: TIME, PRESSURE, VOLUME PUMPED, INJECT RATE, FLUID TYPE, FLUID DENSITY, SERVICE LOG DETAIL. Includes entries for 2135, 2136, 2138, 2158, 2201, 2207, 2207, 2219, 2218, 2219, 2223, 2225.

REMARKS
RELEASED
JAN 29 1999

Table with columns: SYSTEM CODE, NO. OF SACKS, YIELD CU. FT/SK, COMPOSITION OF CEMENTING SYSTEMS, DENSITY. Includes entries for 1, 2, 3, 4, 5, 6.

BREAKDOWN FLUID TYPE
CIRCULATION LOST
DISPLACEMENT VOL.
MEASURED DISPLACEMENT
CUSTOMER REPRESENTATIVE: Daryl Hanson
SUPERVISOR: Rex Barsar

DS-498-A PRINTED IN U.S.A.

WELL NAME AND NO. **Spikes 1' L-24**
LOCATION (LEGAL) **SEC 24-32S-38W**
FIELD-POOL **HUGOTON**
COUNTY/PARISH **STEVENS**
STATE **K5** API. NO.

RIG NAME: **SUGARMAN #1**
WELL DATA:
BIT SIZE **7 7/8** CSGL/liner Size **4 1/2**
TOTAL DEPTH **1215** WEIGHT **555**
MUD TYPE **555** GRADE **810**
MUD DENSITY **6265** LESS FOOTAGE SHOE JOINTS
MUD VISC. **99.6** Disp. Capacity
NOTE: Include Footage From Ground Level To Hoop In Disp. Capacity

NAME **McCoy Petroleum**
AND
ADDRESS
ZIP CODE

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TYPE	Flapper float	TYPE	BACKUP
DEPTH	6308	DEPTH	3146.22
TYPE	Flapper float	TYPE	
DEPTH	6308	DEPTH	

SPECIAL INSTRUCTIONS
**Logbook entry 4/2 2:30 p.m. 11/3 11/3 11/3 11/3
customer's instructions**

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double SIZE WEIGHT
 Single GRADE TAIL PIPE: SIZE DEPTH
 Swage KNOCKOFF THREAD
TOP NEW USED CASING VOL. BELOW TOOL Bbls
BOT NEW USED TOTAL Bbls
ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE **3500** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT **1500** PSI BUMP PLUG TO PSI
ROTATE RPM RECIPROCATATE FJ No. of Centralizers

TIME 0001 to 2400 PRESSURE TBG OR C.P. CASING VOLUME PUMPED INCREMENT CUM
JOB SCHEDULED FOR TIME: **0400** DATE: **9-25** ARRIVE ON LOCATION TIME: **0345** DATE: **9-25** LEFT LOCATION TIME: DATE:

TIME	PRESSURE	VOLUME PUMPED	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1652	3300	X	X	H2O	9.3	PRE-JOB SAFETY MEETING
1653	220	12	X	5.6	11	start wash
1656	330	56	10	5.6	11	start 1st str. cont.
1708	300	58	X	5.6	11	shut down wash to bit
1711		X	X			prep annular plug
1712	100			6.7	9.3	start dig 420
1719	20	48	2	11	11	lower rate
1720	20	50	2	mod	9.1	start mod
1721	30	52	5.6	11	11	increase rate
1729	650	92	5	11	11	lower rate
1732	1050	99	1.9	11	11	pump 1st str. PLUG FROM CONFIDENTIAL
1734						keep line check float
1736						pre cleaning bomb
1758	670			MUD	9.1	prep str. tool

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1st str.	200	1.54	5.5(10-10) + 2% S-1 + 0.5% D-6 + 0.2% D-4 + 5% #1	56	14.8
2nd str.	250	2.15	3.5(10-10) + 6% D-20 + 2% S-1 + 5% D-42 + 5% D-13		12.2
3rd str.	75	1.34	10' + 2% S-1 + 5% D-29		14.8

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN.
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls TYPE OIL STORAGE BRINE WATER
Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE GAS INJECTION WILDCAT
PERFORATIONS TO TO TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR
ROYL HANSON **R. Pearson**