

22-31-8W



Natural Gas • Crude Oil
Exploration & Production

McCOY PETROLEUM CORPORATION

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DAILY REPORT

McCoy Petroleum Corporation
#1 Williams "E"
SE NE SW Sec. 22-31S-8W
Harper County, Kansas

Contractor: Sweetman Drilling, Inc.
Geologist: Deane Jirrels

Elevations: 1631 KB 1628 DF 1621 GL

05-16-79 Move in Rotary Tools. Rig up. Spud at 1:15 P.M. Set 8-5/8" surface casing @ 256' with 250 sacks common cement, 2% gel, 3% calcium chloride. P.D. @ 6:45 P.M.

05-17-79 Drilling @ 540'.

SAMPLE TOPS

05-18-79 Drilling @ 1960'.

Heebner 3406(-1775)

05-19-79 Drilling @ 2925'.

Lansing 3779(-2148)

05-20-79 Drilling @ 3805'.

Kansas City 3928(-2297)

05-21-79 Drilling @ 4329'.

Stark Shale 4075(-2444)

Cherokee 4320(-2689)

Mississippian 4425(-2794)

RTD 4442(-2811)

05-22-79 Preparing to run casing @ 4442' RTD.

DST #1 4430-4442' (Mississippian)

Open 30", S.I. 45", Open 60", S.I. 60"

Gas to surface in 15 minutes.

Gauge 30,000 CFG in 15 minutes on 1st open.

Gauge 55,200 CFG in 30 minutes on 1st open.

Gauge 49,300 CFG in 15 minutes on 2nd open and stabilize.

Recovered 210 feet of heavily oil and gas cut mud.

30 feet of muddy water.

ISIP 1521# FSIP 1500#

FP 95-84# 95-105# BHT 125°

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05-23-79 Set new 4-1/2" OD, 10.5#, J-55, Smls., R-3, NKK casing @ 4436 feet (6' off bottom). Seating point on triplex @ 4434.5 feet. Cement with 150 sacks common cement. P.D. @ 6:50 P.M. on 05-22-79. W.O.C.

05-31-79 Move in Hayes Well Service Completion Unit. Run new 2-3/8" EUE tubing with rotary bit. Drill plug, float and 39 feet of cement. Shut down for night.

06-01-79 Drill shoe. Clean out 6' open hole to 4442' RTD. Circulate clean with KCL water. Swing tubing 4' off bottom @ 4438'. Rig up to swab. Swab most of hole load. Making good show of gas and trace of oil. Shut in for night.

06-02-79 SICP 810# SITP 465#
Open well. Fluid to surface in 3 minutes. Unload 3.34 BF and went to dry gas. At end of 1 hour, venting 116 MCFG on 10/64" choke, FCP 205# FTP 155#, gas volume and pressure decreasing. Open choke, blow down. Run tubing swab twice an hour.

1st hour	Swab .42 BF	27% oil	Estimated 50 MCFG
2nd hour	Swab .42 BF	80% oil	Estimated 50 MCFG

Shut in until Monday.

06-03-79 SICP 685# SITP 246#

06-04-79 SICP 1050# SITP 340#
Open well. Oil to surface in 3 minutes. Unload 5.83 BF, 75% oil. Rig up Dresser-Titan to treat well. Treat with 1000 gallons SOS, 50% xylene, 50% HCL-HF blend. Over displace with 1000 gallons Floease treated lease crude. Load hole with lease crude. Circulate acid to bottom. Pressure to 900#, started feeding 1/2 BPM, increase rate to 1 BPM. Maximum pressure 1100#. Average treating pressure 1000#, finish @ 1000#. AIR 1 BPM. ISIP 1000#, drop to 200# in 40". Bleed back about 1 barrel. Start swabbing.
Total load = 113 barrels.

1st hour	Swab 35.00 Bbl	100% oil	Csg. -	35.00 (-78.00 BL)
2nd hour	Swab 18.33 Bbl	100% oil	Csg. -	53.33 (-59.67 BL)
3rd hour	Swab 10.01 Bbl	100% oil	Csg. -	63.34 (-49.66 BL)
4th hour	Swab 2.08 Bbl	100% oil	Csg. 35#	65.42 (-47.58 BL)
5th hour	Swab 1.25 Bbl	100% oil	Csg. 80#	66.67 (-46.33 BL)
6th hour	Swab 1.25 Bbl	100% oil	Csg. 50#	67.92 (-45.08 BL)

Leave tubing valve open and shut down for night.

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06-07-79 SIP 455# Run casing swab. Recovered 4.17 BF, 35% oil, 65% acid water.
Run swab after 1 hour. Recovered .21 BF.
Rig up Dresser-Titan to fracture treat. Treat down casing with 4500 gallons UAF-2 and 3000# of 20/40 sand as follows: 1000 gallons gel pad. 3000 gallons with sand @ 1/2#/1 gallon, 1500 gallons with sand @ 1#/1 gallon. Start in formation with pad @ 1100#. Set rate @ 10 BPM. Pressure increase to 1175# with 1/2#/1 gallon sand on bottom, 1300# with 1#/1 gallon sand on bottom. Final pressure 1300#. Minimum pressure 1000#, maximum pressure 1350# AIR 10 BPM. ISIP 1000#, drop to 200# in 10", on vacuum in 23 minutes. Total load = 220 barrels.
Made 3 runs with sand pump. Hole clean. Run 138 joints new 2-3/8" EUE, J-55, Smls. tubing, (2) 8' subs, SN, 3' perforated nipple and 32.80' long BPMA. Total tally = 4429.10'. Swing @ 4436'. Shut in for night.

06-08-79 Fluid 900' down.

TIME	HOURLY FLUID	OIL %	TOTAL FLUID	+ - FRAC LOAD	CP	REMARKS
8:00						Start swabbing tubing.
9:00	25.00	1%	25.00	(-195.00)	-	
10:00	16.70	1%	41.70	(-178.30)	5#	
11:00	16.70	2%	58.40	(-161.60)	70#	
12:00	18.34	2-1/2%	76.74	(-143.26)	150#	
1:30	5.01	2-1/2%	81.75	(-138.25)	330#	
2:30	18.34	2-1/2%	100.09	(-119.91)	370#	
3:30	13.34	8%	113.43	(-106.57)	395#	
4:30	15.01	7%	128.44	(- 91.56)	430#	
5:00	6.68	7%	135.12	(- 84.88)	470#	
5:45	Shut in from 5:00 to 5:30				600#	
6:30	5.00	-	140.12	(- 79.88)	640#	Shut in for night.

06-09-79 SITP 410# SICP 810#

TIME	HOURLY FLUID	OIL %	TOTAL FLUID	+ - FRAC LOAD	CP	REMARKS
8:30	16.70	7%	156.82	(- 63.18)	700#	Swab.
9:30	13.80	3%	170.62	(- 49.38)	680#	Swab.
Shut down for rain storm.						

06-10-79 SICP 1000# SITP 210#

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06-11-79 SICP 1010# SITP 220#

*In addition to Frac load there is about 45 bbl. acid water
to be recovered.

TIME	HOURLY FLUID	OIL %	TOTAL FLUID	* + - FRAC LOAD	CP	GAS VOLUME	REMARKS
8:00	Fluid 1300' down (200' oil on top)						Made 2 pulls with swab and well kicked off.
9:00	26.68	-	197.30	(-22.70)	900#	100 MCF	
10:00	9.18	7%	207.48	(-13.52)	765#	97 MCF	
11:00	18.36	8%	225.84	(+ 4.84)	635#	156 MCF	
12:00	6.68	8%	232.52	(+11.52)	570#	357 MCF	
1:00	9.18	8%	241.70	(+20.70)	690#	78 MCF	Well loading up.
1:30	1.67	8%	243.37	(+22.37)	730#	47 MCF	Blow down casing.
2:30	Start swabbing tubing.		Fluid 1500' down.				Vent gas from casing.
3:30	16.70	7%	259.70	(+39.07)	-		
4:30	12.52	13%	272.22	(+51.59)	330#	125 MCF	(Estimated)
5:30	10.58	35%	282.80	(+62.17)	320#	125 MCF	(Estimated)
							Part of fluid in annulus came around bottom.

Shut in @ 5:30. Have recovered slightly over total load from all treatments.

06-12-79 SICP 780# SITP 255# Run 176 new 3/4" Axelson S-60 sucker rods, (1) 6' pony rod, (2) 4' pony rods and a new 1-1/2" x 2" x 12' RWAC pump. Make up well head.