

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Pet. Corp.**

P.O.Box 780208
Wichita, KS 67207

ATTN: McCoy

19-26s-20w Edwards

Marcy A #1-19

Start Date: 2001.05.18 @ 18:28:57
End Date: 2001.05.19 @ 03:37:42
Job Ticket #: 14346 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

McCoy Pet. Corp.

P.O.Box 780208
Wichita, KS 67207

ATTN: McCoy

Marcy A #1-19

19-26s-20w Edwards

Job Ticket: 14346 **DST#: 1**

Test Start: 2001.05.18 @ 18:28:57

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:26:12
Time Test Ended: 03:37:42

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

Interval: 4744.00 ft (KB) To 4778.00 ft (KB) (TVD)
Total Depth: 4778.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

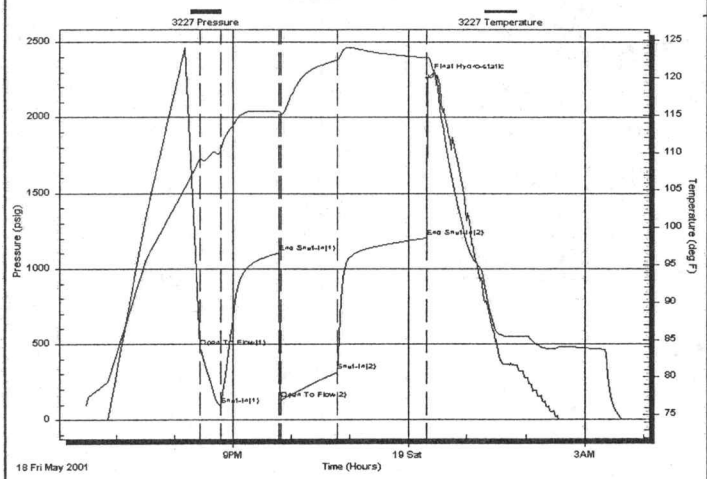
Reference Elevations: 2260.00 ft (KB)
2255.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3227 **Inside**

Press@RunDepth: 314.23 psig @ 4746.01 ft (KB)
Start Date: 2001.05.18 End Date: 2001.05.19
Start Time: 18:28:59 End Time: 03:37:42

Capacity: 7000.00 psig
Last Calib.: 2001.05.19
Time On Btm:
Time Off Btm: 2001.05.19 @ 00:19:42

TEST COMMENT: IF-Strong B.O.B.in 30 Sec. Gas to Surface in 4 min.
FF- Strong B.O.B. in 1 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	474.69	109.21	Open To Flow (1)
22	90.25	110.43	Shut-In(1)
82	1104.69	115.52	End Shut-In(1)
84	131.78	115.25	Open To Flow (2)
142	314.23	122.40	Shut-In(2)
233	1204.74	122.64	End Shut-In(2)
234	2260.38	122.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
791.00	Gassy Free Oil	11.10
434.00	GMCO 30%g 50% o 20% m	6.09

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	94.00	3116.37
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	1.00	94.00	3116.37

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Pet. Corp.

P.O.Box 780208
Wichita, KS 67207

ATTN: McCoy

Marcy A #1-19

19-26s-20w Edwards

Job Ticket: 14346 **DST#: 1**

Test Start: 2001.05.18 @ 18:28:57

Tool Information

Drill Pipe:	Length:	4751.00 ft	Diameter:	3.80 inches	Volume:	66.64 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	66.64 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		29.00 ft					String Weight:	Initial	62000.00 lb
Depth to Top Packer:		4744.00 ft						Final	63000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		34.02 ft							
Tool Length:		56.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4723.00		
S.I. Tool	5.00			4728.00		
Safety Joint	2.00			4730.00		
HMV	5.00			4735.00		
Packer	4.00			4739.00	22.00	Bottom Of Top Packer
Packer	5.00			4744.00		
Stubb	1.00			4745.00		
Perforations	1.00			4746.00		
Recorder	0.01	3227	Inside	4746.01		
Perforations	29.00			4775.01		
Recorder	0.01	13308	Outside	4775.02		
Bullnose	3.00			4778.02	34.02	Bottom Packers & Anchor
Total Tool Length:	**56.02**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Pet. Corp.

P.O.Box 780208
Wichita, KS 67207

ATTN: McCoy

Marcy A #1-19

19-26s-20w Edwards

Job Ticket: 14346 **DST#: 1**

Test Start: 2001.05.18 @ 18:28:57

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
791.00	Gassy Free Oil	11.096
434.00	GMCO 30%g 50% o 20% m	6.088

Total Length: 1225.00 ft Total Volume: 17.184 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: 22

Laboratory Name: Caraw ay Laboratory Location: Liberal KS

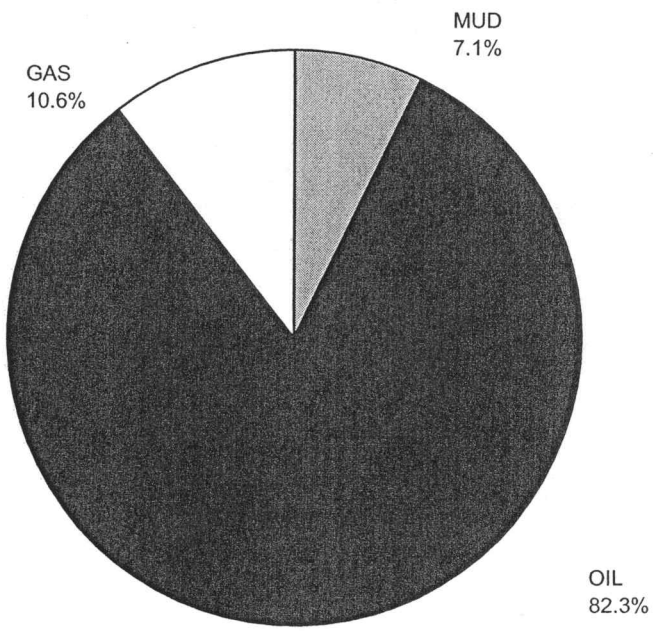
Recovery Comments:

CALCULATED RECOVERY ANALYSIS

DST 1 TICKET 14346

SAMPLE #		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	434	30	130.2	50	217	0	0	20	86.8
PIPE	2	791	0	0	100	791	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	0	0	0	0	0	0	0	0	0
COLLARS	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		1225	0	130.2	0	1008	0	0	0	86.8

			HRS OPEN		BBL/DAY
BBL OIL=	14.33376	*	1.5	=	229.34016
BBL WATER=	0	*		=	0
BBL MUD=	1.234296				
BBL GAS =	1.851444				



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

McCoy Pet. Corp.

P.O.Box 780208
Wichita, KS 67207

ATTN: McCoy

Marcy A #1-19

19-26s-20w Edwards

Job Ticket: 14346 **DST#: 1**

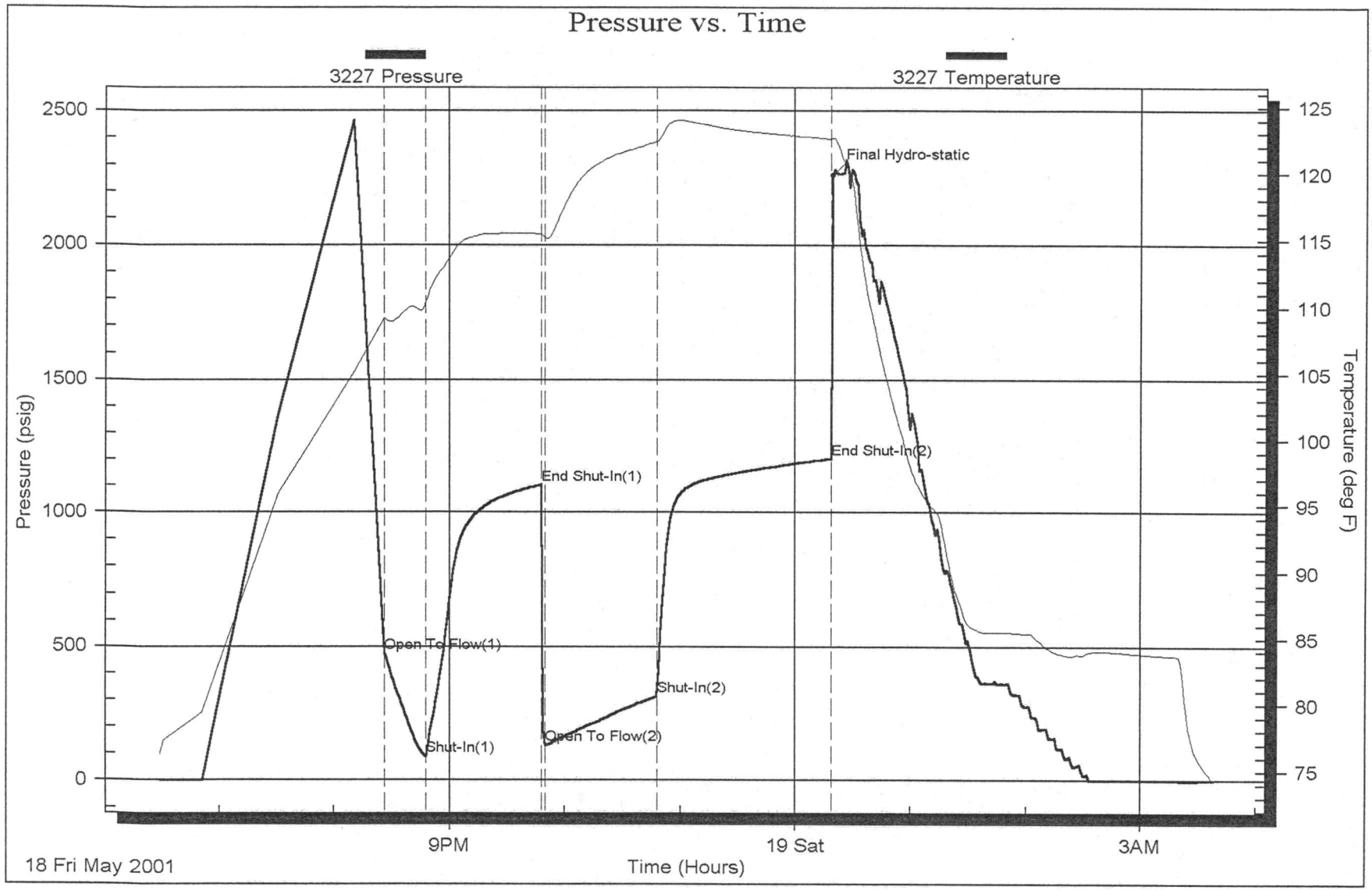
Test Start: 2001.05.18 @ 18:28:57

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
1	5	1.00	94.00	3116.37
1	5	1.00	94.00	3116.37
1	10	1.00	90.00	3001.38
1	15	1.00	60.00	2138.91
1	20	1.00	44.00	1678.93
1	25	1.00	26.00	1161.45
1	30	1.00	10.00	701.47
2	5	0.25	1.50	25.22
2	10	0.25	2.00	26.02
2	20	0.25	2.00	26.02
2	30	0.25	2.50	26.81
2	40	0.25	2.50	26.81
2	50	0.25	3.00	27.60
2	60	0.25	3.50	28.40
2	40	0.25	2.50	26.81
2	45	0.25	2.50	26.81
2	50	0.25	3.00	27.60


Pressure vs. Time
3227 Pressure
3227 Temperature
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
125
120
115
110
105
100
95
90
85
80
75
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Shut-In(2)
Open To Flow(2)
9PM
19 Sat
3AM
18 Fri May 2001
Time (Hours)

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	20012366	Analyzed:	05/23/01
Sample From:	Marcy A 1-19 DST 1	Pressure:	
Producer:	McCoy Petroleum	Temperature:	
Date:		Location:	19-26-20
Time:		County:	Edwards
Sampler:		State:	Kansas
Source:		Formation:	Miss

		Mole %	GPM
Helium	He:	2.861	0.000
Hydrogen	H2:	0.073	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	33.108	0.000
Carbon Dioxide	CO2:	0.032	0.000
Methane	C1:	55.295	0.000
Ethane	C2:	5.069	1.356
Propane	C3:	2.165	0.597
Iso Butane	iC4:	0.317	0.104
Normal Butane	nC4:	0.571	0.180
Iso Pentane	iC5:	0.144	0.053
Normal Pentane	nC5:	0.150	0.054
Hexanes Plus	C6+:	0.215	0.094
	TOTAL:	100.000	2.437
	Z Fact:	0.9984	
	SP.GR.:	0.7502	
	BTU (SAT):	744.4 @ 14.73 psia	
	BTU (DRY):	757.6 @ 14.73 psia	
	OCTANE RATING:	80.3	

COMMENTS: 0.000