

AUG 07 2009

WELL COMPLETION FORM RECEIVED  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 34055  
Name: H & M Petroleum Corporation  
Address 1: 13570 Meadowgrass Drive  
Address 2: Suite 101  
City: Colorado Springs State: CO Zip: 80921 + 3058  
Contact Person: David Allen  
Phone: ( 719 ) 590-6060  
CONTRACTOR: License # 33575  
Name: WW Drilling, LLC  
Wellsite Geologist: Richard J. Hall  
Purchaser: Coffeyville Resources

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 Dry  Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr.  Conv. to SWD  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No.: \_\_\_\_\_  
 Dual Completion Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_  
04/30/2009 05/06/2009 05/07/2009  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21767-00-00  
Spot Description: \_\_\_\_\_  
E2 SW SE NW Sec. 13 Twp. 12 S. R. 31  East  West  
2970 Feet from  North /  South Line of Section  
1700 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Gove  
Lease Name: Bonita Springs Well #: 4A  
Field Name: Bonita Springs  
Producing Formation: Myrick, Ft. Scott, Cher. Johnson, Miss.  
Elevation: Ground: 2914' Kelly Bushing: 2919'  
Total Depth: 4610' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 5 jts @ 220' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2371' Feet  
If Alternate II completion, cement circulated from: 2371  
feet depth to: Surface w/ 280 sx cmt.

Drilling Fluid Management Plan Alt II NR 10-7-09  
(Data must be collected from the Reserve Pit)  
Chloride content: 1000 ppm Fluid volume: 200 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: \_\_\_\_\_  
Title: Office Manager Date: 08/05/2009

Subscribed and sworn to before me this 5th day of August, 2009.

Notary Public: \_\_\_\_\_  
Date Commission Expires: 4/13/2013

**ALEASHA MITCHEK**  
NOTARY PUBLIC  
STATE OF COLORADO  
My Commission Expires 04/13/2013

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: H & M Petroleum Corporation Lease Name: Bonita Springs Well #: 4A  
 Sec. 13 Twp. 12 S. R. 31  East  West County: Gove

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: <b>DI, CN, Micro</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>2412</td> <td>+507</td> </tr> <tr> <td>Topeka</td> <td>3704</td> <td>-785</td> </tr> <tr> <td>Heebner Shale</td> <td>3925</td> <td>-1006</td> </tr> <tr> <td>Toronto</td> <td>3951</td> <td>-1032</td> </tr> <tr> <td>Lansing "A"</td> <td>3968</td> <td>-1049</td> </tr> <tr> <td>Lansing "E"</td> <td>4040</td> <td>-1121</td> </tr> <tr> <td>Muncie Creek</td> <td>4107</td> <td>-1188</td> </tr> </table>	Name	Top	Datum	Anhydrite	2412	+507	Topeka	3704	-785	Heebner Shale	3925	-1006	Toronto	3951	-1032	Lansing "A"	3968	-1049	Lansing "E"	4040	-1121	Muncie Creek	4107	-1188
Name	Top	Datum																							
Anhydrite	2412	+507																							
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Lansing "E"	4040	-1121																							
Muncie Creek	4107	-1188																							

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"	23#	217	Common	165	3% Gel/5% CC
Production	7 7/8"	5 1/2"	15.5#	4606	EA2	175	10% Salt/5% Cal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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
4	4556' - 4558'	<b>KANSAS CORPORATION COMMISSION</b>  <b>AUG 07 2009</b>  <b>RECEIVED</b>	
4	4513' - 4515'		
4	4414' - 4418'		

TUBING RECORD: Size: <u>2 7/8"</u> Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>07/04/2009</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u>	Gas Mcf <u>0</u> Water Bbls. <u>3</u> Gas-Oil Ratio <u>100/0</u> Gravity <u>40</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4411' - 4551'</u>
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Bonita Springs 4A

NAME	TOP	DATUM
Stark Shale	4187	-1268
Base/Kansas City	4248	-1329
Pawnee	4369	-1450
Myrick Station	4411	-1492
Ft. Scott	4436	-1517
Cherokee Shale	4464	-1545
Cher. Johnson Zone	4506	-1587
Top/Mississippian	4527	-1608
Mississippian	4551	-1632

KANSAS CORPORATION COMMISSION

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# SWIFT Services, Inc.

DATE 05-07-09 PAGE NO. 1

*ABM PETROLEUM*

WELL NO. 4-A

LEASE BONITA SPRING

JOB TYPE 2-STAGE, LOW STRING

TICKET NO. 16418

CHART NO.	TIME	RATE (BPM)	VOLUME (BBQ) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1830							DIVERTION, CHANGE OVER
								CMT: BOTTOM 175 STD EA 2, TOP 280 STD, 45 RH, MH
								RTO 4610, SET PIPE 4606, SJ 22, 65, TUBING 4523
								5 1/2 15, 5 1/4 NEW, D, U. ON TOP # 55, 2371 FT
								CMT 1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 54, 91 BARWET 55, 92
								SCRATCHES 60 FT, LIMIT CLAMP
	1915							START CLR. FLOW EQV
	2105							TAG BOTTOM - DROP BALL
	2115							BREAK CIRC & ROTATE PIPE 1 HR
	2215	4.5	0				250	START MUD FLUSH
			12					" HCL "
			32					END
			0					START 175 EA 2 CMT
	2237		42.5					END
								DROP BOTTOM LD PLUG, WASHOUT PL
	2240	7.0	0				300	START DISP 1/4 H <sub>2</sub> O
			56.0				300	" " 1/4 MUD
			67.0				300	CMT ON BOTTOM
			90.0				400	
			95.0				500	
			100.0				600	
			105.0				700	
	2300	4.0	109.0				1400	LAND PLUG
								RELEASE DRY, DROP DRY OPENING DART
	2310						1200	OPEN D.V. CIRC 1 HR 1/4 RIG
	2345							PLUG RH, MH 1/4 4550
	2350	7.0	0				300	START HCL
			20					END
			0					START SMD CMT
			155.0					MIX 20 SW @ 14.0"
			161.0					END
								DROP CLOSING PLUG
	0010	6.5	0				300	START DISP 1/4 H <sub>2</sub> O
		6.5	25.0				400	CIRC CMT
	0020	4.0	56.5				1400	LAND PLUG, CLOSED
	030							JOB COMPLETE THANK YOU!
								DAVE, JOE, BOB, DAN

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IT TO  
 BOX 90 D  
 MOXIE KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

350

DATE <i>4/30/09</i> SEC. <i>13</i>	RANGE/TWP. <i>12-31</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Panola Springs</i>			WELL # <i>4-A</i>		
				COUNTY <i>W</i>	STATE <i>KS</i>

CONTRACTOR <i>WW 12</i>	OWNER <i>HIM</i>				
TYPE OF JOB					
HOLE SIZE <i>12 1/4</i>	T.D. <i>217</i>	CEMENT			
CASING SIZE <i>8 5/8</i>	DEPTH	AMOUNT ORDERED			
TUBING SIZE	DEPTH				
DRILL PIPE <i>4 1/2</i>	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	<i>165</i>	<i>@ 14"</i>	<i>2352.50</i>
DISPLACEMENT	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.		GEL	<i>3</i>	<i>@ 26</i>	<i>78</i>
PERFS		CHLORIDE	<i>5</i>	<i>@ 5'</i>	<i>250"</i>
		ASC		@	
EQUIPMENT				@	
				@	
PUMP TRUCK				@	
# <i>Jerome</i>				@	
BULK TRUCK				@	
# <i>Soy</i>				@	
BULK TRUCK				@	
#				@	
				@	
		HANDLING	<i>175</i>	<i>@ 1.25</i>	<i>337.50</i>
		MILEAGE	<i>41</i>	<i>@ 15.57</i>	<i>638.57</i>
		TOTAL			

REMARKS	SERVICE <i>Surf</i>		
<i>Plug Down @ 5:15 PM</i>	DEPT OF JOB	@	
	PUMP TRUCK CHARGE	@	<i>950"</i>
	EXTRA FOOTAGE	@	
<i>Life Cement 12P. +</i>	MILEAGE <i>41</i>	<i>@ 6.50</i>	<i>266.50</i>
	MANIFOLD	@	<i>100"</i>
		@	
	TOTAL		

CHARGE TO: <i>HIM</i>	
STREET	STATE
CITY	ZIP

KANSAS CORPORATION COMMISSION

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To: Schippers Oil Field Service LLC

You are hereby requested to rent cementing equipment and furnish staff to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

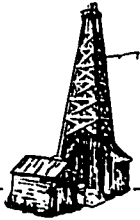
PLUG & FLOAT EQUIPMENT	
<i>8 5/8</i>	<i>@ 67</i>
	@
	@
	@
	@
TOTAL	
TAX	
TOTAL CHARGE	
DISCOUNT (IF PAID IN 20 DAYS)	

SIGNATURE

*Lonnie Long*

PRINTED NAME

*Lonnie Long*



WHITEHALL EXPLORATION

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**WELLSITE GEOLOGICAL CONSULTING**

**GEOLOGICAL ANALYSIS & WELL REPORT**

**H & M Petroleum Corp.**

**Bonita Springs No. 4-A**

2,970' FSL & 1,700' FWL  
50' East of C-SW-SE-NW  
Section 13-Township 12 South-Range 31 West  
Gove County, Kansas

May 12, 2009

KANSAS CORPORATION COMMISSION

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## GENERAL INFORMATION

Elevation: G.L. 2,914' K.B. 2,919'  
All measurements are from K.B.

Field: Leona

Drilling Contractor/Rig No.: WW Drilling/Rig 10

Total Depth: RTD: 4,610' LTD: 4,612'

Surface Casing: 8 5/8" @ 220'

Production Casing: 5 1/2" set

Drill Time Kept: 3,650'-4,610' RTD

Samples Examined: 3,700'-4,610' RTD

Geological Supervision: 3,650'-4,610' RTD

Wellsite Geologist: Richard J. Hall  
Certified Petroleum Geologist No. 5820  
Consulting Wellsite Geologist

Drill Stem Tests: 1) Toronto - Open hole test  
2) Lansing "E" Zone - Open hole test  
3) Myrick Station - Open hole test

Mud Company/Mud Type/Engineer: Morgan Mud/Chemical/Dave Lines

Electric Logging Company: Log-Tech

Log Suite: -Dual Induction  
-Compensated Neutron/Density Porosity  
-Microlog

Samples: Dry split sent to Kansas Geological Survey Well  
Sample Library - Wichita, KS (3,700'-4,610')

Total Depth Formation: Mississippian

Well Status: Production casing set to test Myrick Station Fm.

## DAILY DRILLING CHRONOLOGY

<u>2009</u> <u>Date</u>	<u>7:00 A.M.</u> <u>Depth</u>	<u>24 Hour</u> <u>Footage</u>	<u>7:00 A.M. Operation; 24 Hour Activity</u>
04/30/09	0	0	MIRU; drill rat hole, spud @ 12:45 P.M., drilling, jet, drop dev. survey, TOO H, run 5 jts 8 5/8" surf. csg. set @ 220', cement csg., plug down @ 5:15 P.M., WOC 8', drill out plug @ 1:15 P.M., drilling.
05/01/09	895'	895'	Jet; drilling, lost circ. @ 1,232', drilling, lost circ. @ 1,358', drilling, lost circ. @ 1,390', drilling, lost circ. @ 1,548', drilling, jet, drilling, jet, drilling.
05/02/09	2,595'	1,700'	Drilling ahead; jet, drilling, jet, drilling, jet, drilling.
05/03/09	3,430'	835'	Drilling ahead; drilling, CFS @ 3,955', 25 stand short trip (2.25'), circ. 1', drop dev. survey, TOO H, pick up test tool, TIH, run DST No. 1.
05/04/09	3,955'	525'	Running DST No. 1 (Final Flow Period); TOO H, lay down test tool, TIH w/bit, drilling, CFS @ 4,043', TOO H, pick up test tool, TIH, run DST No. 2, TOO H, lay down test tool, TIH w/bit, drilling.
05/05/09	4,115'	160'	Drilling ahead; fill pre-mix w/40 bbls and jet, drilling, 30" pump repair, drilling, CFS @ 4,415', 14 stand short trip (1.25'), circ. 1', TOO H.
05/06/09	4,415'	300'	Make up test tool; TIH, run DST No. 3, TOO H, lay down test tool, TIH w/bit, drilling, reach 4,610' RTD @ 4:45 A.M., circ. 1', drop dev. survey, TOO H.
05/07/09	4,610'	195'	Tripping out of hole; jet cellar, rig up loggers, logging (7:45 A.M.-4:45 A.M.), TIH, circ., TOO H laying down drill pipe, rig up csg. crew, run 115 jts of 5 1/2" prod. csg., cement csg., plug down @ 2:30 A.M. and rig released @ 2:30 A.M. - 5/8/09.



## DEVIATION SURVEYS

<u>Depth</u>	<u>Deviation (Degrees)</u>
221'	2.0
3,955'	1.5
4,610'	1.5

## REFERENCE WELLS

Reference Well "A": Donald Slawson  
Haviland "A" No.1  
C-SE-NW  
Section 13-T12S-R31W  
Gove County, KS  
KB: 2,922'  
LTD: 4,585'  
Date Drilled: May 1973  
TD Formation: Mississippian  
Status: Abandoned Lansing "E" Zone & Ft. Scott oil well

Reference Well "B": H & M Petroleum Corp.  
Bonita Springs No. 4  
N/2-S/2-S/2-NW  
2,180' FNL & 1,370' FWL  
Section 13-T12S-R31W  
Gove County, KS  
KB: 2,916'  
LTD: 4,650'  
Date Drilled: November 2008  
TD Formation: Mississippian  
Status: Myrick Station & Mississippian Porosity Oil Well

Reference Well "C": Pickrell Drilling Co.  
Knapp "A" No. 1  
C-NE-SW  
Section 13-T12S-R31W  
Gove County, KS  
KB: 2,909'  
LTD: 4,225'  
Date Drilled: September 1973  
TD Formation: Kansas City "L" Zone  
Status: D & A

## FORMATION TOPS

FORMATION	Bonita Springs No. 4-A			Haviland No. 1	Bonita Springs No. 4	Knapp "A" No. 1 *	DIFFERENCE TO		
	SAMPLE	ELECTRIC LOG		REFERENCE	REFERENCE	REFERENCE			
	TOPS	TOPS	DATUM	WELL "A"	WELL "B"	WELL "C"	WELL "A"	WELL "B"	WELL "C"
PERMIAN									
Anhydrite	2413	2412	+507	+513	+506	+511	-6	+1	-4
PENNSYLVANIAN									
Topeka	3701	3704	-785	NA	-785	-784	NA	FLAT	-1
Heebner Shale	3925	3925	-1006	-1002	-1005	-1006	-4	-1	FLAT
Toronto	3951	3951	-1032	-1028	-1031	-1033	-4	-1	+1
Lansing "A" Zone	3970	3968	-1049	-1046	-1050	-1050	-3	+1	+1
Lansing "E" Zone	4040	4040	-1121	-1116	-1122	-1121	-5	+1	FLAT
Muncie Creek	4105	4107	-1188	-1183	-1185	-1185	-5	-3	-3
Stark Shale	4188	4187	-1268	-1263	-1267	-1268	-5	-1	FLAT
Base/Kansas City	4250	4248	-1329	-1326	-1329	NDE	-3	FLAT	NA
Pawnee	4368	4369	-1450	-1448	-1452	NDE	-2	+2	NA
Myrick Station	4412	4411	-1492	-1494	-1494	NDE	+2	+2	NA
Ft. Scott	4433	4436	-1517	-1517	-1518	NDE	FLAT	+1	NA
Cherokee Shale	4463	4464	-1545	-1543	-1545	NDE	-2	FLAT	NA
Cherokee Johnson Zn	4504	4506	-1587	-1588	-1594	NDE	+1	+7	NA
MISSISSIPPIAN									
Top/Mississippian	4524	4527	-1608	-1604	-1602	NDE	-4	-6	NA
Miss. Porosity	4551	4551	-1632	-1647	-1631	NDE	+15	-1	NA

\* Total Depth in Kansas City "L" Zone

NDE = Not Deep Enough

NA = Not Available

## ZONES OF INTEREST

<u>Formation</u>	<u>Log Depth</u>	<u>Lithologic &amp; Show Descriptions, Remarks</u>
Toronto	3,951'-3,957'	<p>Limestone, buff-tan, fine-very fine crystalline, hard, some pieces very oolitic with abundant nodular oolites, moderately to very chalky, fair-intermediate inter-crystalline porosity, good vuggy development in part, VERY GOOD SHOW: very good saturated bright yellow fluorescence, uneven-saturated brown oil stain, fair-good show free oil on break, excellent instant flash bright yellow cut, grading to very bright white-yellowish milky cut, excellent bright yellow dried residual halo cut.</p> <p>The Toronto Formation was isolated on DST No. 1 and tested very tight with no reservoir development recovering 2 feet of mud with oil spots and has shut-in pressures of 43-32 p.s.i.</p> <p>Log-Tech logs show this formation has a very clean gamma ray signature, fair SP development, 2 feet of microlog development, 5-7% density porosity, 5.75-8% neutron porosity and has 5-35 ohms deep resistivity.</p>
Lansing "E"	4,040'-4,050'	<p>Limestone, off-white-light gray-buff, friable/firm-hard, fine-medium grain stone development, fine-very fine crystalline, moderately to very chalky, rare fracture face covered with calcite crystals, rare white chert inclusions, scattered oolite, slightly fossiliferous porosity, good scattered vug development, medium-very good inter-crystalline porosity, VERY GOOD SHOW: very good oil odor, good moderately bright white/yellow fluorescence, uneven-saturated light brown oil stain, fair-good disseminated show free oil with occasional oil droplets, good moderately fast streaming to milky cut, very good yellow-slightly white dried residual cut.</p> <p>DST No. 2 isolated this formation and recovered 278 feet of total fluid consisting of 5 feet of free oil and 273 feet of slightly mud cut water (90% water, 10% mud), with shut-in pressures of 1,058-1,062 p.s.i.</p> <p>Log-Tech logs show this formation has a very clean gamma ray signature, very good SP development, 10 feet of microlog development</p>

(entire zone), 9-16 % density porosity, maximum 28% neutron porosity, and has a maximum deep resistivity of 15 ohms at the top of this zone grading to 2.5 ohms in the middle of the zone.

Myrick Station            4,411-4,420'

Limestone, light gray-buff, fine crystalline in part-predominately very fine crystalline, micro crystalline in part, very slightly chalky, very good scattered vug porosity, fair-good inter-crystalline porosity, VERY GOOD SHOW: trace oil odor, spotty moderately bright yellow fluorescence, uneven brown oil stain, fair-good show very light brown oil droplets on break (rare gas bubbles), moderately fast yellow streaming cut, good milky cut, very good bright yellow dried residual cut.

The top of the Myrick Station porosity was isolated on DST No. 3 and recovered 1,320 feet of gas in pipe and 174 feet of total fluid consisting of 124 feet of gassy mud cut oil (40% gas, 40% oil, 20% mud) and 50 feet of gassy oil cut mud (5% gas, 10% oil, 85% mud) with shut-in pressures of 295-302 p.s.i.

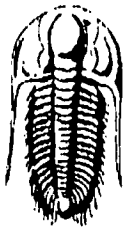
Log-Tech logs show this formation has a very clean gamma ray signature, excellent SP development, 6 feet of very good microlog development (4,414'-4,420'), mudcake development (microlog caliper), maximum 12.25% density porosity, maximum 8% neutron porosity, and has 30-50 ohms deep resistivity.

Mississippian            4,551'-4,561'

Dolomitic limestone, tan-light brown, fine-medium crystalline and sucrosic texture, friable-firm, some hard, clean, good inter-crystalline porosity with scattered vugs, GOOD SHOW: slight odor, no fluorescence, scattered medium brown oil stain, good oil sheen, good show light brown free oil droplets on break, slow yellow streaming cut, fair pale slightly milky cut, fair yellow residual dried halo cut.

This zone was not drill stem tested.

Log-Tech logs show this zone has a moderately clean gamma ray signature, good SP development, microlog development from 4,552'-4,554' and 4,556'-4,560' with associated microlog caliper mudcake, maximum 6% density porosity, 7-12% neutron porosity and has 15-25 ohms resistivity.



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

H&M Petroleum Corp

**Bonita Springs #4A**

**13-12s-31w Gove, Ks**

Job Ticket: 33345

DST#: 1

ATTN: Rick Hall

Test Start: 2009.05.04 @ 04:20:20

## GENERAL INFORMATION:

Formation: **Toronto**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: **06:31:45**

Time Test Ended: **10:15:14**

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **40**

Interval: **3931.00 ft (KB) To 3955.00 ft (KB) (TVD)**

Total Depth: **3955.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2919.00 ft (KB)**

**2914.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6667**

**Inside**

Press@RunDepth: **29.25 psig @ 3932.00 ft (KB)**

Start Date: **2009.05.04**

End Date:

**2009.05.04**

Start Time: **04:20:20**

End Time:

**09:35:14**

Capacity: **7000.00 psig**

Last Calib.: **2009.05.04**

Time On Btm: **2009.05.04 @ 06:31:15**

Time Off Btm: **2009.05.04 @ 08:21:30**

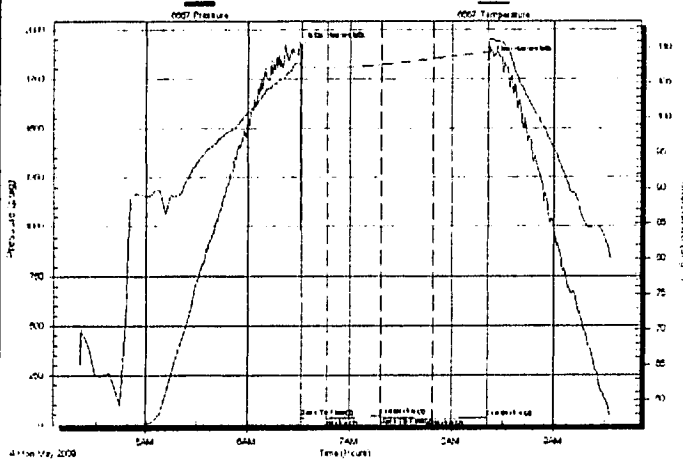
**TEST COMMENT: Weak blow died in 6 min**

**No return**

**No blow**

**No return**

Pressure vs Time



## PRESSURE SUMMARY

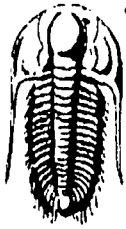
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.08	107.93	Initial Hydro-static
15"	36.97	107.42	Open To Flow (1)
16	30.07	107.20	Shut-In (1)
30"	47	43.06	End Shut-In (1)
48	37.94	107.62	Open To Flow (2)
30"	78	29.25	Shut-In (2)
110	32.30	109.36	End Shut-In (2)
111	1843.99	110.30	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

## Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

H&M Petroleum Corp

**Bonita Springs #4A**

**13-12s-31w Gove, Ks**

Job Ticket: 33346

DST#: 2

ATTN: Rick Hall

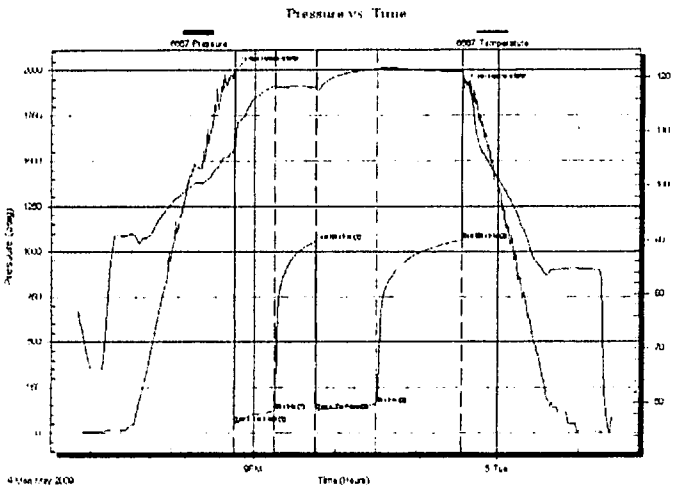
Test Start: 2009.05.04 @ 18:50:05

## GENERAL INFORMATION:

Formation: **E**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **20:45:45** Tester: **Shane McBride**  
 Time Test Ended: **01:35:59** Unit No: **40**  
 Interval: **4027.00 ft (KB) To 4043.00 ft (KB) (TVD)** Reference Elevations: **2919.00 ft (KB)**  
 Total Depth: **4043.00 ft (KB) (TVD)** **2914.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: **6667** Inside  
 Press@RunDepth: **156.37 psig @ 4028.00 ft (KB)** Capacity: **7000.00 psig**  
 Start Date: **2009.05.04** End Date: **2009.05.05** Last Calib.: **2009.05.05**  
 Start Time: **18:50:05** End Time: **01:24:59** Time On Btm: **2009.05.04 @ 20:45:30**  
 Time Off Btm: **2009.05.04 @ 23:34:00**

TEST COMMENT: **1/4" in @ open built to 6 1/2" in**  
**No return**  
**1/4" in @ open built to 8 1/4" in.**  
**No return**



## PRESSURE SUMMARY

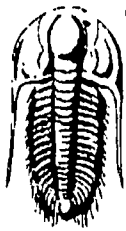
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
0	2001.09	107.80	Initial Hydro-static	
30"	1	54.86	106.73	Open To Flow (1)
30"	30	119.86	118.51	Shut-In(1)
30"	61	1058.88	118.24	End Shut-In(1)
45"	61	119.14	117.60	Open To Flow(2)
60"	105	156.37	121.55	Shut-In(2)
60"	168	1062.20	120.92	End Shut-In(2)
60"	169	1901.25	119.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
273.00	s m c w 10% m 90% w (39,500 ppm Ch)	2.70
5.00	oil 100% o	0.07

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H&M Petroleum Corp  
 13570 Meadow grass Dr  
 ste 101  
 Colorado Springs ,Co  
 ATTN: Rick Hall

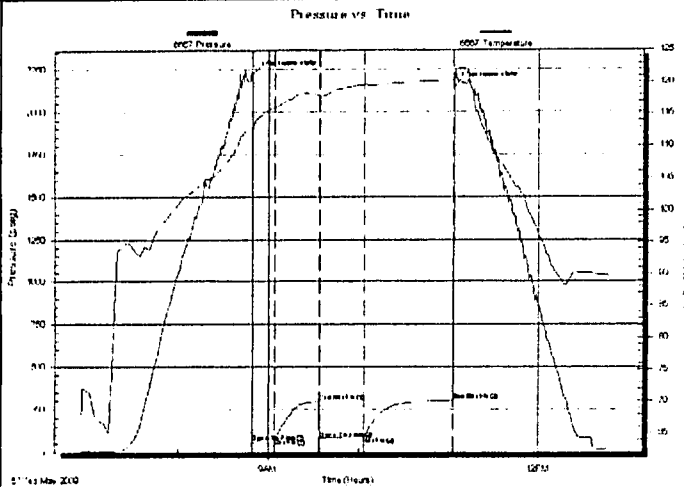
**Bonita Springs #4A**  
**13-12s-31w Gove,Ks**  
 Job Ticket: 33347      DST#: 3  
 Test Start: 2009.05.06 @ 06:55:20

## GENERAL INFORMATION:

Formation: Myric Station  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:49:15  
 Time Test Ended: 13:25:44  
 Interval: 4391.00 ft (KB) To 4415.00 ft (KB) (TVD)  
 Total Depth: 4415.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 40  
 Reference Elevations: 2919.00 ft (KB)  
 2914.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: 6667      Inside  
 Press@RunDepth: 88.79 psig @ 4392.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2009.05.06      End Date: 2009.05.06      Last Calib.: 2009.05.06  
 Start Time: 06:55:20      End Time: 12:51:44      Time On Btm: 2009.05.06 @ 08:49:00  
 Time Off Btm: 2009.05.06 @ 11:04:00

TEST COMMENT: B.O.B. in 5 min.  
 No return  
 B.O.B. in 1 min.  
 Weak surface return in 7 min died in 25 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.49	112.68	Initial Hydro-static
15"	55.46	112.26	Open To Flow (1)
30"	76.60	115.99	Shut-In(1)
45"	295.78	118.07	End Shut-In(1)
46"	72.70	117.63	Open To Flow (2)
30"	75	119.51	Shut-In(2)
60"	135	120.31	End Shut-In(2)
135"	302.26	121.22	Final Hydro-static
135"	2150.48		

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	g m c o 40%g 20%m 40%o	0.61
50.00	g o c m 5%g 10%o 85%m	0.70
1,312'	GIP	
174'	TOTAL FLUID	

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

## SUMMARY

The Bonita Springs No. 4-A was drilled as development location offsetting the Donald Slawson Haviland "A" No. 1 abandoned oil well (Lansing "E" Zone & Ft. Scott Formation's) and the H & M Petroleum Bonita Springs No. 4 producing oil well (Myrick Station & Mississippian Porosity Formation's), and was based on interpretation of the Bonita Springs 3-D seismic survey combined with subsurface geology/well control. The Bonita Springs 3-D seismic indicated this location should encounter the primary objective formation's flat to slightly high structurally in relation to the H & M Petroleum Bonita Springs No. 4 oil well and slightly lower structurally to the Donald Slawson Haviland No. 1 abandoned oil well. A WW Drilling Co. pipe strap and Log-Tech logs confirm that the structural position of the primary objective formation's is the same as the 3-D seismic interpretation predicted.

The Bonita Springs No. 4-A well is located: approximately 1/8th of a mile southwest of the Donald Slawson Haviland "A" No. 1 dual pay zone abandoned oil well (Lansing "E" Zone & Ft. Scott Formation's)/Reference Well "A" (C-SE-NW-Section 13-T12S-R31W); approximately 1/8th of a mile southeast of the H & M Petroleum Bonita Springs No. 4 dual pay zone oil well (Myrick Station & Mississippian Porosity Formation's)/Reference Well "B" (N/2-S/2-S/2-NW-Section 13-T12S-R31W); and approximately 3/8th's of a mile northwest of the Pickrell Drilling Co. Knapp "A" No. 1 dry hole/Reference Well "C" (C-NE-SW-Section 13-T12S-R31W).

Based on other commercial oil well's in the area, the primary objectives in the Bonita Springs No. 4-A included the Lansing "C" and "E" Zone's, Kansas City "H" Zone, Myrick Station, Ft. Scott, and Mississippian Porosity Formation's. Secondary objectives included the Toronto, Lansing "A", "D" and "F" Zones, Kansas City "I", "J" and "K" Zone's, Pawnee and Cherokee Johnson Zone.

Three drill stem test's were run in the Bonita Springs No. 4-A. DST No. 1 isolated the Toronto Formation and tested tight, DST No. 2 isolated the Lansing "E" Zone and recovered 5 feet of free oil and 273 feet of slightly mud cut water, and DST No. 3 isolated the Myrick Station Formation recovering 1,312 feet of gas in pipe, 124 feet of gassy mud cut oil and 50 feet of gassy oil cut mud.

The Bonita Springs No. 4-A is located 7 miles south of Interstate 70 and is located approximately 5.5 miles east and 7.5 miles south of Oakley, Kansas in northwestern Gove County, Kansas.

The Bonita Springs No. 4-A well was spudded on April 30, 2009 and the rig was released after production casing was set on May 8, 2009. During the drilling of this well, lost circulation occurred at 1,232 feet (lost 80 barrels mud), 1,358 feet (lost 50 barrels mud), 1,390 feet (lost 100 barrels mud), and 1,548 feet (lost 120 barrels mud).

The well was under 24-hour geological supervision from 3,650 feet to 4,610 feet RTD. Wet and dry drilling samples were caught by the drilling crews from 3,700 feet to 4,610 feet



RTD at 10-foot intervals. All lithologic descriptions were lagged to true depth by the consulting wellsite geologist.

### **Hydrocarbon Shows**

Based on the favorable structural position of the primary and secondary objectives, numerous significant oil sample shows were observed and recorded in the cuttings during the drilling of the Bonita Springs No. 4-A in the following formation's:

-Lower Topeka	Medium Show:	fair spotty fluorescence, spotty oil stain, intermediate show free oil, medium streaming to fast milky cut, intermediate dried cut.
-Toronto	Very Good Show:	very good saturated yellow fluorescence, uneven-saturated oil stain, fair-good show free oil, excellent flash/milky cut, excellent dried cut (isolated on DST No.1).
-Lansing "C" Zone	Fair Show:	slight pale fluorescence, spotty-uneven oil stain, slight show free oil, slow pale milky cut, fair dried cut.
-Lansing "D" Zone	Fair Show:	fair odor, slight pin point fluorescence, spotty-uneven oil stain, good show free oil & bleeding oil, fair milky cut, intermediate dried cut.
-Lansing "E" Zone	Very Good Show:	very good odor, good bright fluorescence, uneven to saturated oil stain, fair-good show free oil, good streaming to milky cut, very good dried cut (isolated on DST No.2).
-Kansas City "H"	Fair Show:	slight odor, spotty oil stain, slight show free oil, intermediate streaming cut, good dried cut.
-Kansas City "I"	Medium Show:	slight odor, minor pin point fluorescence, spotty oil stain, fair show free oil, bleeding oil, slight milky cut, fair dried cut.
-Kansas City "K"	Fair Show:	slight odor, fair spotty fluorescence, uneven oil stain, slight show free oil, good fast streaming and milky cut, very good dried cut.

-Myrick Station	Very Good Show:	trace odor, good pin point fluorescence, uneven oil stain, fair-good show free oil droplets, moderately fast streaming cut, good milky cut, very good dried cut (isolated on DST No. 3).
-Ft. Scott	Good Show:	good fluorescence, uneven oil stain, fair show free oil, slight bleeding oil, very good streaming cut, very good dried cut.
-Cherokee Johnson Zone	Good Show:	medium fluorescence, spotty-uneven oil stain, medium-good show free oil, dull milky cut, medium dried cut.
-Mississippian	Good Show:	slight odor, saturated oil stain, good oil sheen, good show free oil, fair slow streaming cut, fair milky cut, fair dried cut.

Complete lithologic descriptions and hydrocarbon sample shows for the most prolific hydrocarbon show zone's can be found in the detailed "Zones of Interest" portion of this geologic report. Complete Drill Stem Test fluid recovery results and pressures can be found in this report under "Drill Stem Tests".

### **Structural Position**

In relation to Reference Well "A"/Donald Slawson Haviland "A" No. 1 (C-SE-NW-Section 13-T12S-R31W), the Bonita Springs No. 4-A well runs moderately structurally low from the Stone Corral Anhydrite through the Pawnee Formation, then structurally mixed from the Myrick Station through Mississippian Porosity Formation's. In relation to both Reference Well "B"/H & M Petroleum Bonita Springs No. 4 (N/2-S/2-S/2-NW-Section 13-T12S-R31W) and Reference Well "C"/Pickrell Drilling Co. Knapp "A" No. 1 (C-NE-SW-Section 13-T12S-R31W), the Bonita Springs No. 4-A runs structurally mixed and predominately flat throughout the well.

Compared to Reference Well "A"/Donald Slawson Haviland "A" No. 1, the Bonita Springs No. 4-A runs: -3 feet low at the Top/Lansing "A", -5 feet low at the Lansing "E" Zone, -5 feet low at the Stark Shale, +2 feet high at the Myrick Station, flat at the Ft. Scott, +1 foot high at the Cherokee Johnson Zone, and +15 feet high at the Mississippian Porosity Pay Zone.

Compared to Reference Well "B"/H & M Petroleum Bonita Springs No.4, the Bonita Springs No. 4-A runs: +1 foot high at the Top/Lansing "A", +1 foot high at the Lansing "E" Zone, -1 foot low at the Stark Shale, +2 feet high at the Myrick Station, +1 foot high at the Ft. Scott, +7 feet high at the Cherokee Johnson Zone, and -1 foot low at the Mississippian Porosity Pay Zone.

Compared to Reference Well "C"/Pickrell Drilling Co. Knapp "A" No. 1 (C-NE-SW-Section 13-T12S-R31W), the Bonita Springs No. 4-A runs: +1 foot high at the Top/Lansing "A", flat at the Lansing "E" Zone, and flat at the Stark Shale (this well reached total depth in the Kansas City "L" Zone).

A structural comparison of the Formation Tops in this well, in relation to Reference Well's "A", "B", and "C", can be found in the detailed "Formation Tops" table in this geologic report.

### Conclusion

The Bonita Springs No. 4-A wildcat location was determined through a combination of the 3-D seismic survey shot over the Bonita Springs Prospect and subsurface geology/well control structure mapping, which indicated this development step out location should be approximately structurally flat at the primary objective formation's in relation to both Reference Well "B"/H & M Petroleum Bonita Springs No. 4 (N/2-S/2-S/2-NW-Section 13-T12S-R31W) and Reference Well "C"/Pickrell Drilling Co. Knapp "A" No. 1 (C-NE-SW-Section 13-T12S-R31W), and slightly low structurally relative to Reference Well "A"/Donald Slawson Haviland "A" No. 1 (C-SE-NW-Section 13-T12S-R31W). Log-Tech logs evaluation and analysis show that the Bonita Springs No. 4-A structural position was accurately predicted by the 3-D seismic.

Numerous free oil sample shows were observed in the Lower Topeka, Toronto, Lansing "C", "D" and "E" Zone's, the Kansas City "H", "I" and "K" Zone's, Myrick Station, Ft. Scott, Cherokee Johnson Zone and Mississippian Porosity Formation's.

The Toronto, Lansing "E" Zone, and the Myrick Station Formation's were each isolated on Drill Stem Test's No. 1, No. 2, and No. 3, respectively. The Toronto Formation tested tight, the Lansing "E" Zone tested wet with 5 feet of free oil, and the Myrick Station Formation recovered 1,320 feet of gas in pipe and 174 feet of gassy mud cut oil and gassy oil cut mud.

Therefore, based on the mostly favorable structural position of the primary objective Lansing "E" Zone, Myrick Station, Ft. Scott and Mississippian Porosity Pay Zone Formation's, the gas in pipe and gassy mud cut oil recovery on DST No. 3 from the Myrick Station Formation, and Log-Tech logs evaluation and analysis confirming the structural position and reservoir development in the primary objectives, production casing was set in the Bonita Springs No. 4-A

Respectfully Submitted,



Richard J. Hall

Certified Petroleum Geologist No. 5820

Whitehall Exploration

