



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1059996

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	Marston 1A-27
Doc ID	1059996

All Electric Logs Run

Micro Resistivity Log
Dual Induction Log
Compensated Density Neutron Log
Dual Receiver Cement Bond Log

Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	Marston 1A-27
Doc ID	1059996

Tops

Name	Top	Datum
Anhydrite	1310	763
B / Anhydrite	1348	725
Topeka	3022	-949
Heebner	3243	-1170
Lansing	3286	-1213
B / Kansas City	3529	-1456
Chert Conglomerate	3573	-1500
Arbuckle	3675	-1602

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 27, 2011

Larry Denning
Mikol Oil LLC
2401 Ash St.
HAYS, KS 67601-2915

Re: ACO1
API 15-163-23938-00-00
Marston 1A-27
NE/4 Sec.27-10S-17W
Rooks County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Larry Denning

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4948

Date 3.31.11	Sec. 27	Twp. 10	Range 17	County Rooks	State KS	On Location	Finish 10:45pm
Lease Marston		Well No. 27		Location Coel + Church / w 1/25 Binto			
Contractor D Scovery #4				Owner			
Type Job Surface				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/4		T.D. 223		Charge To Mikel Oil			
Csg. 8 5/8		Depth 223		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg. 15'		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace 13BC		Cement Amount Ordered 150lbm 3%cc 2%cc			

EQUIPMENT

Pumptrk 9	No.	Cement Helper raig	Common 150
Bulktrk	No.	Driver Paul	Poz. Mix
Bulktrk 8	No.	Driver Matt	Gel. 3

JOB SERVICES & REMARKS

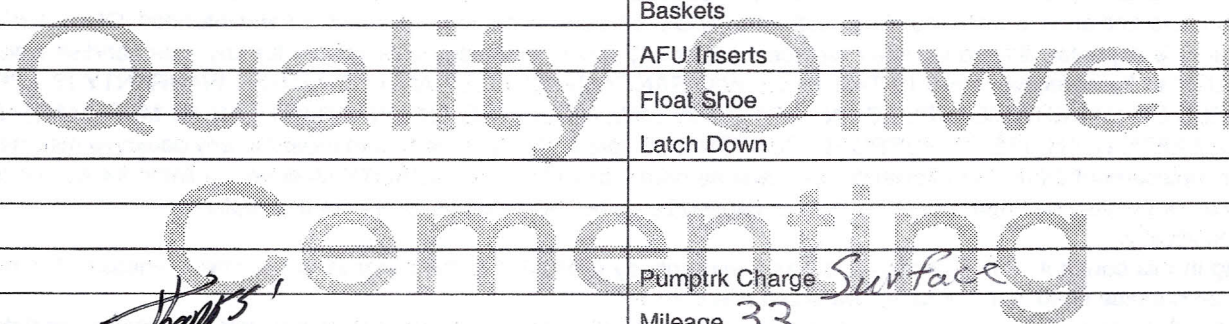
Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
8 5/8 on bottom. Est. Circulation.	Sand
Mix 130% + Displace	Handling 158
Cement Circulated.	Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge Surface	Tax
Mileage 33	Discount
	Total Charge

x Signature **Mickel Schaefer**



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5058

Date	4-6-11	Sec.	27	Twp.	10	Range	17	County	Rooks	State	Kansas	On Location		Finish	12:00PM	
Lease	Maister	Well No.	1A-27			Location						Codell 162 HS Finto				
Contractor	Discanny Drilling Rig 4				Owner						To Quality Oilwell Cementing, Inc.					
Type Job	Longstring				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	7 7/8		T.D.		3725		Charge To						Mikel Oil			
Csg.	5 1/2 15.50 lb		Depth		3700		Street									
Tbg. Size			Depth				City						State			
Tool	Port Collar #57				Depth		City						State			
Cement Left in Csg.	25		Shoe Joint		25'		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace		88 Bbl		Cement Amount Ordered						200 Common 100 Salt			

EQUIPMENT

Pumptrk	5	No.	Cementor	Steve
			Helper	
Bulktrk	8	No.	Driver	Brandon
			Driver	
Bulktrk		No.	Driver	Matt
			Driver	

#	Gilsonite	500 Gal Mud Clear 48
	Common	200
	Poz. Mix	
	Gel.	

JOB SERVICES & REMARKS

Remarks:
Rat Hole 30sx
Mouse Hole 20sx
Centralizers 1, 4, 7, 10, 13, 16, 59
Baskets 56
D/V or Port Collar #57
30sx Rat Hole
20sx Mouse Hole

Calcium
Hulls
Salt 17
Flowseal
Kol-Seal 1000#
Mud CLR 48 500 gal
CFL-117 or CD110 CAF 38
Sand
Handling 227
Mileage

FLOAT EQUIPMENT

Land plug @ 1200psi
Float Held

Guide Shoe
Centralizer 7
Baskets 1
AFU Inserts
Float Shoe 1
Latch Down 1
5/8 Port Collar
20 Reciprocating Scratches
Pumptrk Charge Prod Long String
Mileage 33

Thank You
Signature: *[Handwritten Signature]*

Tax
Discount
Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

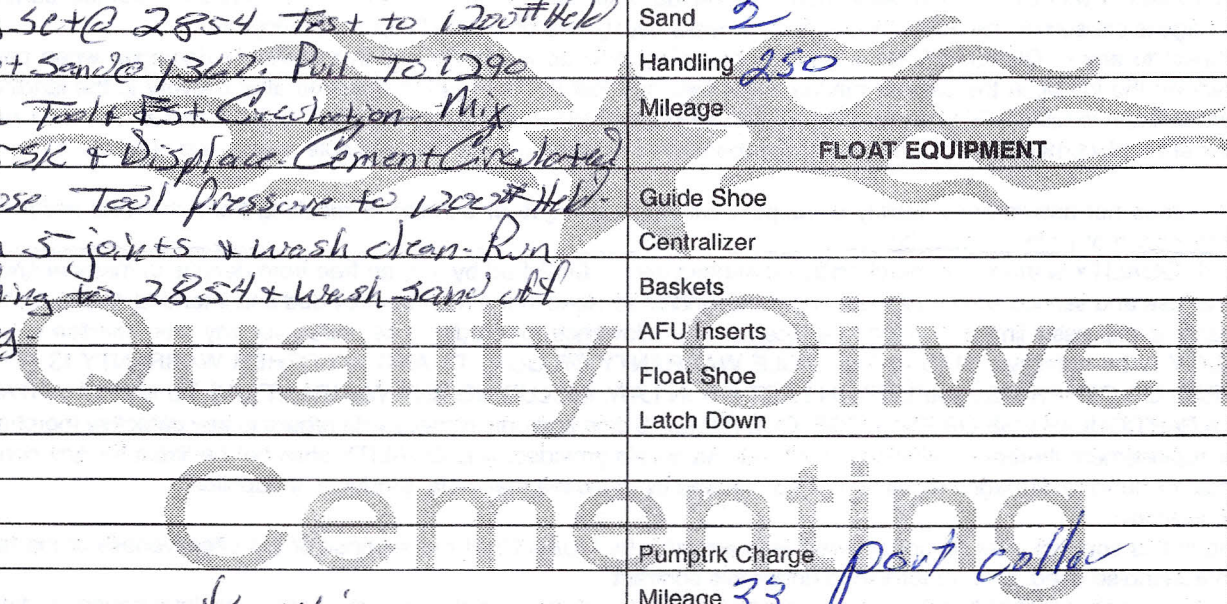
e 785-483-2025

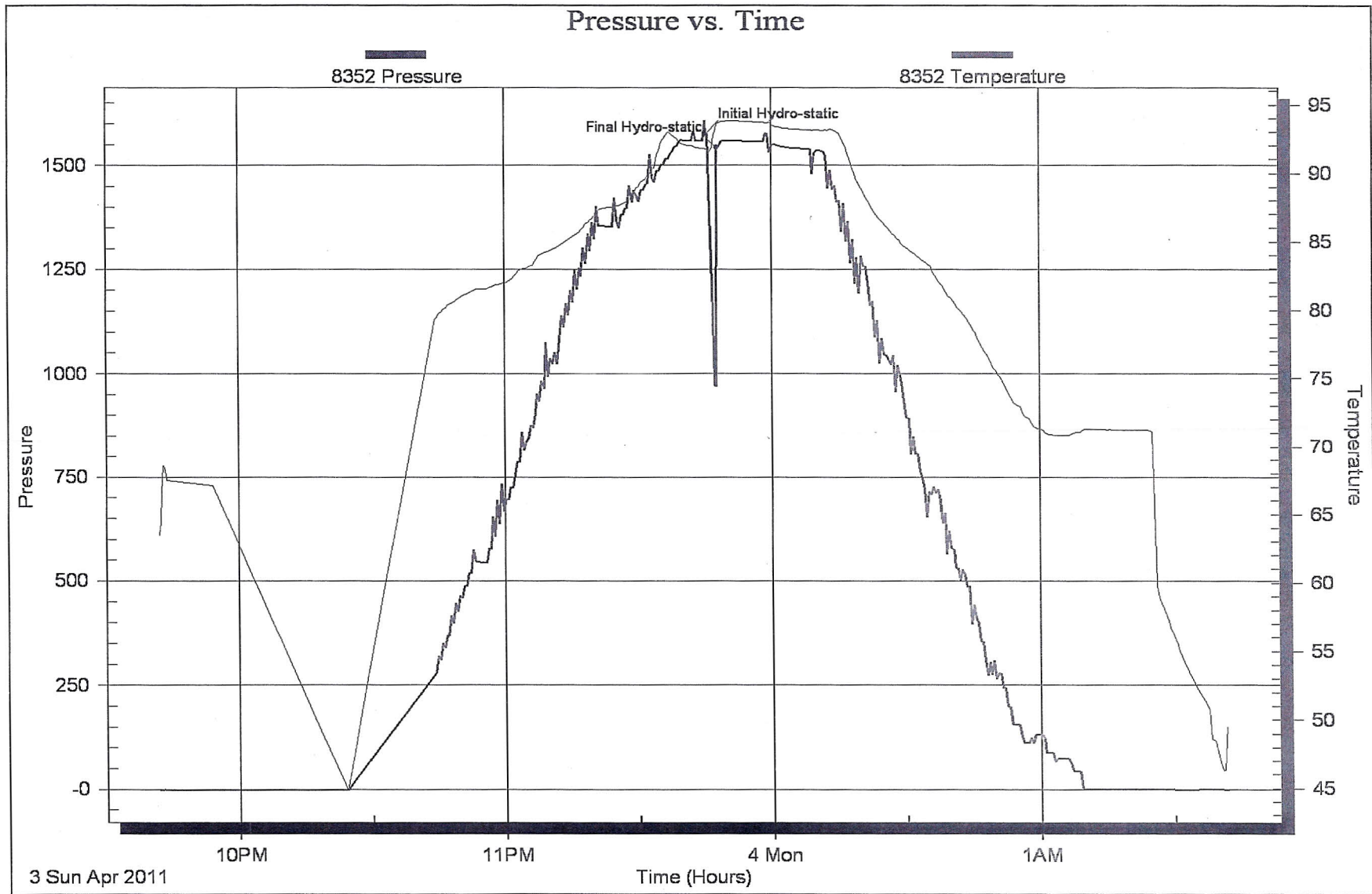
Home Office P.O. Box 32 Russell, KS 67665

No. 5045

Cell 785-324-1041

Date	4-21-11	Sec.		Twp.		Range		County	Rooks	State	KS	On Location		Finish	11:45 A.M.
Lease	Morgan	Well No.	A. 27		Location		Coke Church W 2.30 S to road End E into								
Contractor	APS	Owner		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Type Job	Port Collar	Hole Size		T.D.		Csg.		Depth		Charge To		M. Kol 0:1			
Tbg. Size		Tool		Depth		Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line		Displace		Cement Amount Ordered		250 QMDC 1/4 PL									
EQUIPMENT													2 Sand + 1155 lb Cement		
Pumptrk	5	No.	Cementer	Cra g		Helper		Common		150 QMDC					
Bulktrk		No.	Driver	Brandon		Driver		Poz. Mix							
Bulktrk	3	No.	Driver	Coy		Driver		Gel.							
JOB SERVICES & REMARKS													Calcium		
Remarks:													Hulls		
Rat Hole													Salt		
Mouse Hole													Flowseal 60#		
Centralizers													Kol-Seal		
Baskets													Mud CLR 48		
D/V or Port Collar	1290												CFL-117 or CD110 CAF 38		
Plug set @ 2854 Test to 1200# Hold													Sand 2		
Spot sand @ 1342. Pull to 1290													Handling 250		
Open Tool Bit Circulation Mix													Mileage		
1155 lb + Displace Cement (Circulated)													FLOAT EQUIPMENT		
Close Tool Pressure to 1200# Hold													Guide Shoe		
Run 5 joints & wash clean. Run													Centralizer		
Tubing to 2854 + wash sand off													Baskets		
Plus													AFU Inserts		
													Float Shoe		
													Latch Down		
													Pumptrk Charge		
													Mileage 33		
													Tax		
													Discount		
													Total Charge		
Signature: <i>[Signature]</i>															







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mikol Oil LLC**

2401 Ash St.
Hays Ks.67601

ATTN: Ed Glassman

27-10s-17w Rooks KS

Marston 1A-27

Start Date: 2011.04.03 @ 21:42:05

End Date: 2011.04.04 @ 01:41:40

Job Ticket #: 041575 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Mikol Oil LLC

Marston 1A-27

27-10s-17w Rooks KS

DST # 1

LKC-A-C

2011.04.03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mikol Oil LLC
 2401 Ash St.
 Hays Ks. 67601
 ATTN: Ed Glassman

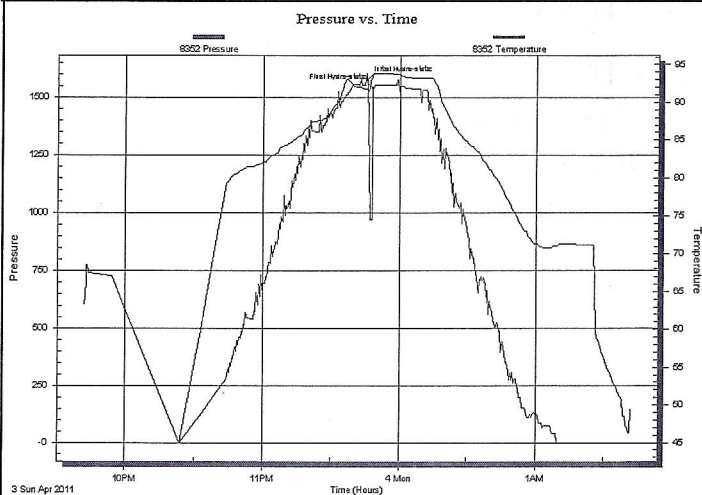
Marston 1A-27
 27-10s-17w Rooks KS
 Job Ticket: 041575 DST#: 1
 Test Start: 2011.04.03 @ 21:42:05

GENERAL INFORMATION:

Formation: LKC "A-C"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 01:41:40
 Interval: 3276.00 ft (KB) To 3346.00 ft (KB) (TVD)
 Total Depth: 3346.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2073.00 ft (KB)
 2065.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8352 Outside
 Press@RunDepth: psig @ 3286.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2011.04.03 End Date: 2011.04.04
 Last Calib.: 2011.04.04
 Start Time: 21:42:05 End Time: 01:41:40
 Time On Btm: 2011.04.03 @ 23:45:20
 Time Off Btm: 2011.04.03 @ 23:47:50

TEST COMMENT: MISRUN Packer Failure.



PRESSURE SUMMARY

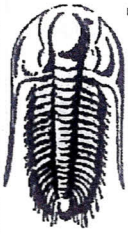
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1574.87	91.74	Initial Hydro-static
3	1541.22	93.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Mud	6.73

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
Hays Ks.67601

27-10s-17w Rooks KS

Job Ticket: 041575

DST#: 1

ATTN: Ed Glassman

Test Start: 2011.04.03 @ 21:42:05

Tool Information

Drill Pipe:	Length: 3229.00 ft	Diameter: 3.80 inches	Volume: 45.29 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.10 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.44 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	12.10 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3276.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3249.00	
Shut In Tool	5.00			3254.00	
Hydraulic tool	5.00			3259.00	
Jars	5.00			3264.00	
Safety Joint	3.00			3267.00	
Packer	5.00			3272.00	28.00 Bottom Of Top Packer
Packer	4.00			3276.00	
Stubb	1.00			3277.00	
Perforations	8.00			3285.00	
Change Over Sub	1.00			3286.00	
Recorder	0.00	8650	Inside	3286.00	
Recorder	0.00	8352	Outside	3286.00	
Drill Pipe	31.00			3317.00	
Change Over Sub	1.00			3318.00	
Perforations	25.00			3343.00	
Bullnose	3.00			3346.00	70.00 Bottom Packers & Anchor
Total Tool Length:	98.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
Hays Ks.67601

27-10s-17w Rooks KS

Job Ticket: 041575

DST#: 1

ATTN: Ed Glassman

Test Start: 2011.04.03 @ 21:42:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	Mud	6.730

Total Length: 500.00 ft

Total Volume: 6.730 bbl

Num Fluid Samples: 0

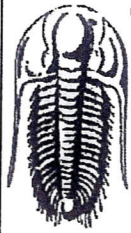
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
Hays Ks. 67601

27-10s-17w Rooks KS

Job Ticket: 041801

DST#: 2

ATTN: Ed Glassman

Test Start: 2011.04.04 @ 15:50:05

GENERAL INFORMATION:

Formation: Lower LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:40:28

Time Test Ended: 01:16:08

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3444.00 ft (KB) To 3526.00 ft (KB) (TVD)

Reference Elevations: 2073.00 ft (KB)

Total Depth: 3526.00 ft (KB) (TVD)

2065.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8352

Outside

Press@RunDepth: 46.18 psig @ 3450.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.04

End Date:

2011.04.05

Last Calib.: 2011.04.04

Start Time: 19:41:00

End Time:

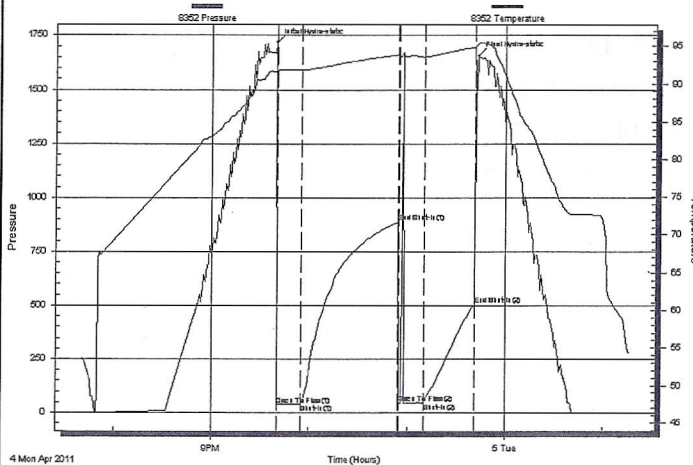
01:16:07

Time On Btm: 2011.04.04 @ 21:39:58

Time Off Btm: 2011.04.04 @ 23:42:58

TEST COMMENT: IF: Weak blow died in 12 min.
IS: No Return
FF: No Blow, Flushed Tool, Surge, No Blow
FS: No Return

Pressure vs. Time



PRESSURE SUMMARY

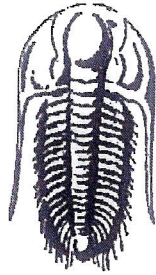
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.94	91.72	Initial Hydro-static
1	38.78	91.49	Open To Flow (1)
15	42.00	91.82	Shut-In(1)
75	887.37	93.85	End Shut-In(1)
75	45.39	93.48	Open To Flow (2)
90	46.18	93.56	Shut-In(2)
122	506.66	94.81	End Shut-In(2)
123	1658.19	95.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mikol Oil LLC**

2401 Ash St.
Hays Ks.67601

ATTN: Ed Glassman

27-10s-17w Rooks KS

Marston 1A-27

Start Date: 2011.04.04 @ 15:50:05

End Date: 2011.04.05 @ 01:16:08

Job Ticket #: 041801 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Mikol Oil LLC

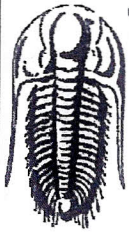
Marston 1A-27

27-10s-17w Rooks KS

DST # 2

Lower LKC

2011.04.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
Hays Ks.67601

27-10s-17w Rooks KS

Job Ticket: 041801

DST#: 2

ATTN: Ed Glassman

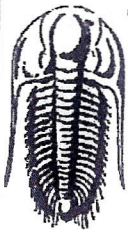
Test Start: 2011.04.04 @ 15:50:05

Tool Information

Drill Pipe:	Length: 3410.00 ft	Diameter: 3.80 inches	Volume: 47.83 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.10 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 47.98 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	25.10 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3444.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3417.00	
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Jars	5.00			3432.00	
Safety Joint	3.00			3435.00	
Packer	5.00			3440.00	28.00 Bottom Of Top Packer
Packer	4.00			3444.00	
Stubb	1.00			3445.00	
Perforations	4.00			3449.00	
Change Over Sub	1.00			3450.00	
Recorder	0.00	8017	Inside	3450.00	
Recorder	0.00	8352	Outside	3450.00	
Drill Pipe	62.00			3512.00	
Change Over Sub	1.00			3513.00	
Perforations	10.00			3523.00	
Bullnose	3.00			3526.00	82.00 Bottom Packers & Anchor
Total Tool Length:	110.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
Hays Ks.67601

27-10s-17w Rooks KS

Job Ticket: 041801

DST#: 2

ATTN: Ed Glassman

Test Start: 2011.04.04 @ 15:50:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 89.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud	0.418

Total Length: 50.00 ft

Total Volume: 0.418 bbl

Num Fluid Samples: 0

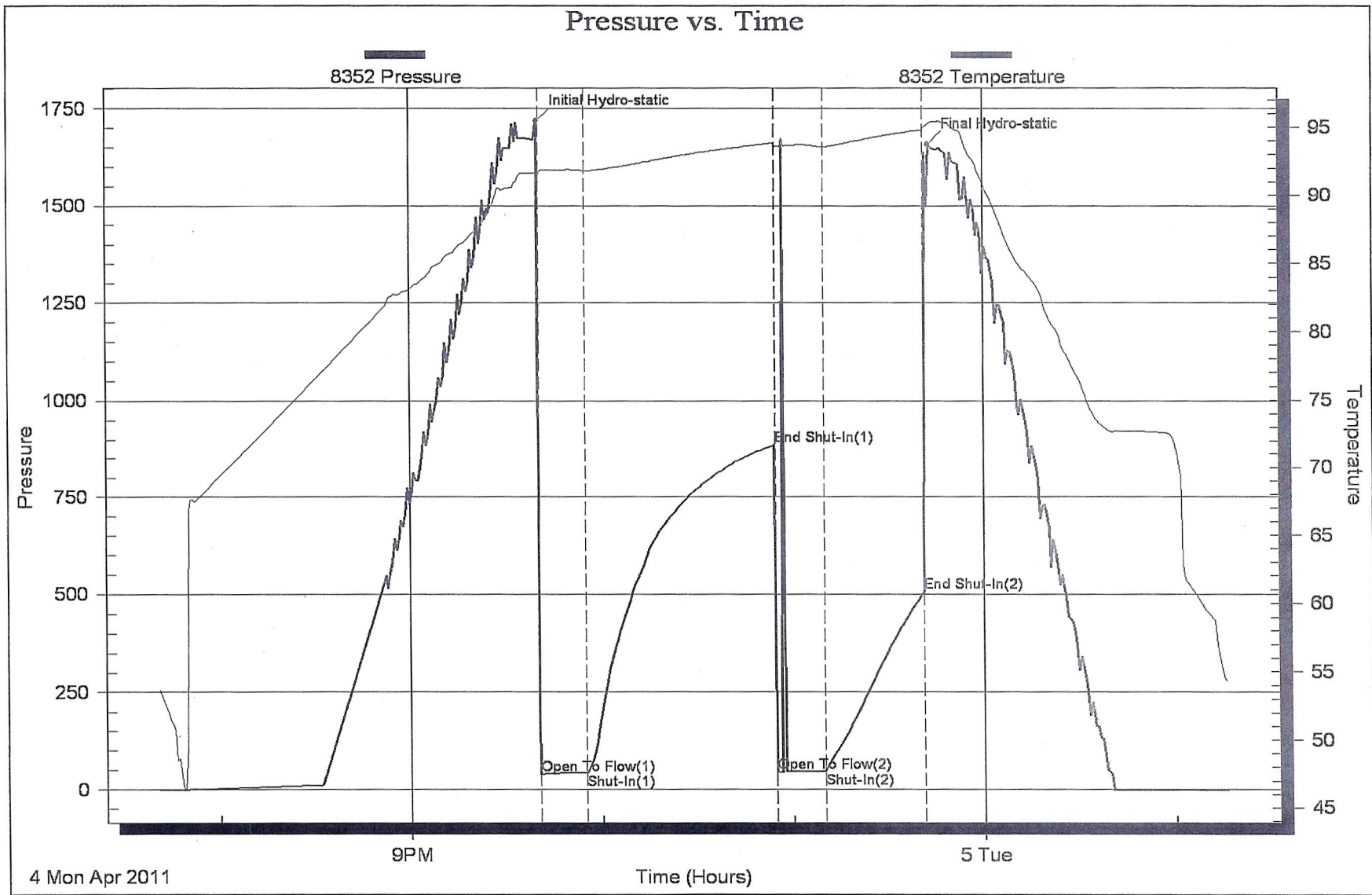
Num Gas Bombs: 0

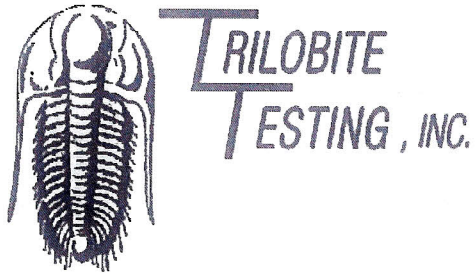
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Mikol Oil LLC**

2401 Ash St.
Hays Ks.67601

ATTN: Ed Glassman

27-10s-17w Rooks KS

Marston 1A-27

Start Date: 2011.04.05 @ 04:43:05

End Date: 2011.04.05 @ 10:07:39

Job Ticket #: 041802 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mikol Oil LLC
2401 Ash St.
Hays Ks. 67601

ATTN: Ed Glassman

Marston 1A-27

27-10s-17w Rooks KS

Job Ticket: 041802 DST#: 3

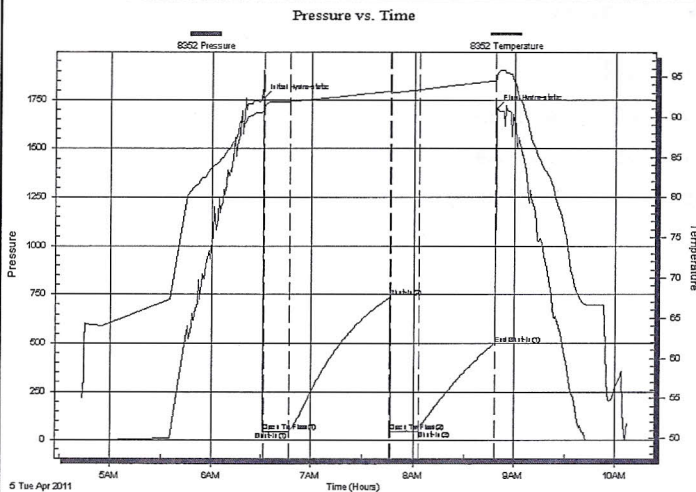
Test Start: 2011.04.05 @ 04:43:05

GENERAL INFORMATION:

Formation: Cong.
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:31:10
Time Test Ended: 10:07:39
Interval: 3544.00 ft (KB) To 3605.00 ft (KB) (TVD)
Total Depth: 3605.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2073.00 ft (KB)
2065.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8352 Outside
Press@RunDepth: 46.26 psig @ 3550.00 ft (KB)
Start Date: 2011.04.05 End Date: 2011.04.05
Start Time: 04:43:05 End Time: 10:07:40
Capacity: 8000.00 psig
Last Calib.: 2011.04.05
Time On Btm: 2011.04.05 @ 06:30:40
Time Off Btm: 2011.04.05 @ 08:49:10

TEST COMMENT: IF: Blow died in 10 min.
IS: No Return
FF: No Blow
FS: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.04	90.69	Initial Hydro-static
1	46.92	89.85	Open To Flow (1)
16	46.26	91.96	Shut-In(1)
76	737.01	93.26	Shut-In(2)
76	46.53	92.93	Open To Flow (2)
92	50.94	93.42	Shut-In(3)
138	495.28	94.55	End Shut-In(1)
139	1703.13	95.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
Hays Ks.67601

27-10s-17w Rooks KS

Job Ticket: 041802

DST#: 3

ATTN: Ed Glassman

Test Start: 2011.04.05 @ 04:43:05

Tool Information

Drill Pipe:	Length: 3503.00 ft	Diameter: 3.80 inches	Volume: 49.14 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.10 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 49.29 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	18.10 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3544.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3517.00	
Shut In Tool	5.00			3522.00	
Hydraulic tool	5.00			3527.00	
Jars	5.00			3532.00	
Safety Joint	3.00			3535.00	
Packer	5.00			3540.00	28.00 Bottom Of Top Packer
Packer	4.00			3544.00	
Stubb	1.00			3545.00	
Perforations	4.00			3549.00	
Change Over Sub	1.00			3550.00	
Recorder	0.00	8017	Inside	3550.00	
Recorder	0.00	8352	Outside	3550.00	
Drill Pipe	31.00			3581.00	
Change Over Sub	1.00			3582.00	
Perforations	20.00			3602.00	
Bullnose	3.00			3605.00	61.00 Bottom Packers & Anchor
Total Tool Length:	89.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikol Oil LLC
2401 Ash St.
Hays Ks. 67601
ATTN: Ed Glassman

Marston 1A-27
27-10s-17w Rooks KS
Job Ticket: 041802 DST#: 3
Test Start: 2011.04.05 @ 04:43:05

Mud and Cushion Information

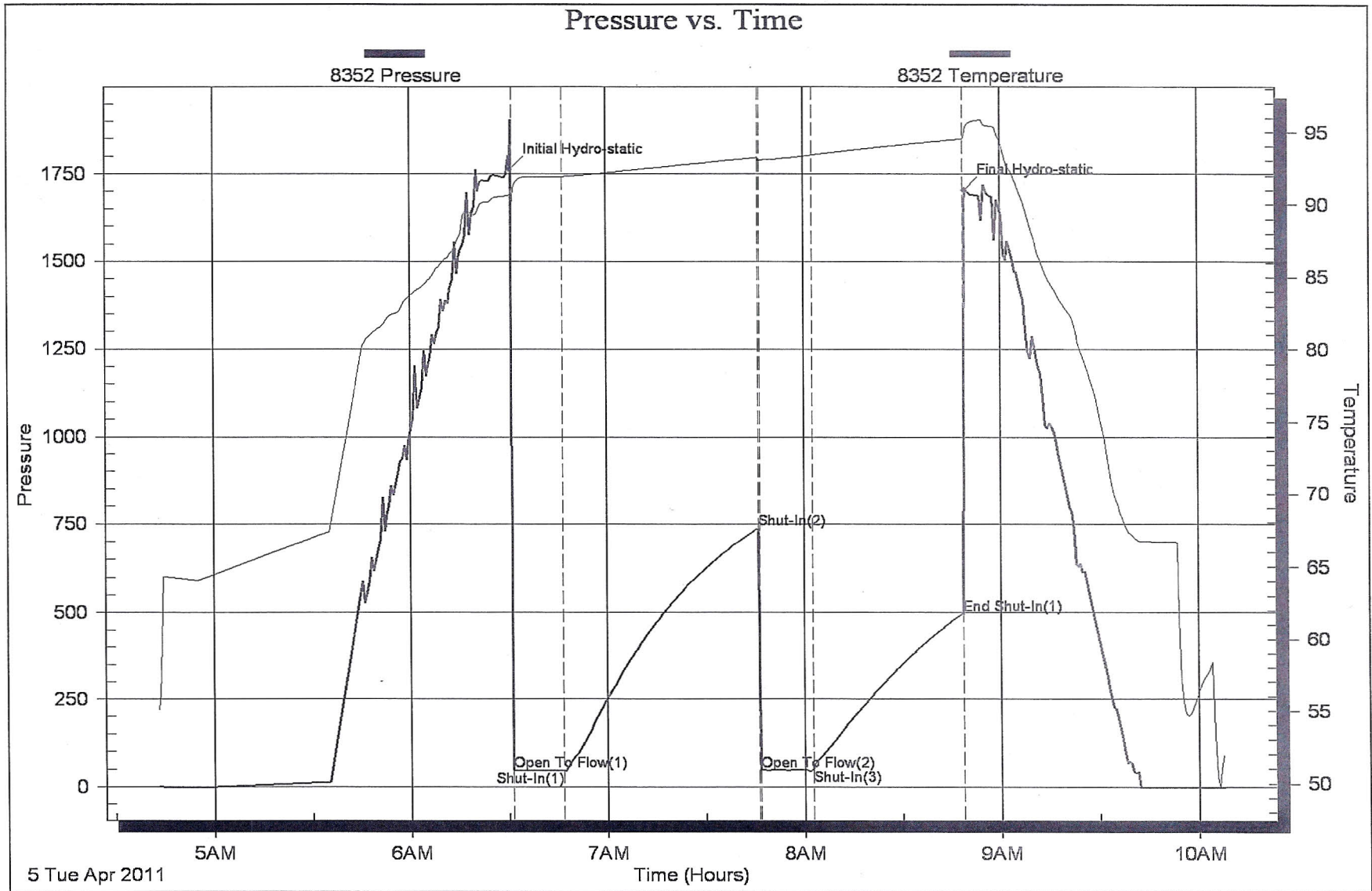
Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.79 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud	0.418

Total Length: 50.00 ft Total Volume: 0.418 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



GEOLOGIC
REPORT
LOG

COMPANY MIKOL OIL LLC
HAYS KANSAS 67601

WELL MARSTON #1A-27

FIELD COLBY

LOCATION 515' FNL & 568' FEL

SEC. 27 TWP. 10S RGE. 17W

COUNTY ROOKS

STATE KANSAS

API # 15-163-23938-00-00

OPERATOR MIKOL OIL LLC

CONTRACTOR DISCOVERY DRLG. RIG 4

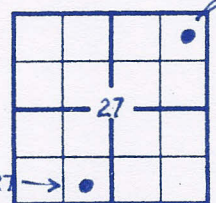
COMM: 03-31-2011 COMP: _____

CASING RECORD

SURF: 8 5/8" @ 223' PROD: 5 1/2" @ 3723'

TOTAL DEPTH DRILLERS: 3725

TOTAL DEPTH LOG 3725



RICHMOND 2-27 →

PRODUCTION _____

ELEVATION KB 2073
DF _____
GL 2065

Drilling Measured From: KELLY BASHING

Samples Saved From 2900 To: TD

Drilling Time From 2800 To: TD

Samples Examined From: 2900 To: TD

Geological Supervision From 2800 To Total Depth

Wellsite Geologist ED GLASSMAN

Electrical Surveys DUAL INDUCTION
DENSITY-NEUTRON
MICRO

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE	1315 (758)	1310	763	+6
B/ANHYDRITE	1353 (720)	1348	725	+3
TOPEKA	3022 (-949)	3022	-949	-6
HEEBNER	3242 (-1169)	3243	-1170	+1
LANSING	3286 (-1213)	3286	-1213	0
B/KANSAS CITY	3526 (-1453)	3529	-1456	-2
CHERT CONGLOMERATE	3582 (-1509)	3573	-1500	+22
ARBUCKLE	3658 (-1585)	3675	-1602	-9

REFERENCE WELL FOR STRUCTURE MIKOL OIL LLC, RICHMOND #2-27,
479' FSL & 2289' FWL; SEC. 27-10S-17W;
ROOKS COUNTY KANSAS.

DRILL STEM TESTS

3

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FHH	RECOVERY
1	3276- 3346	-/-	-/-	-/-	-/-	1574- 1541	MIS RUN PACKER FAILURE TOOL SLID 5'
2	3444- 3526	42/ 15	887/ 60	46/ 15	506/ 30	1716- 1658	50' MUD TOOL SLID 12' (Flushed tool - 2nd flow.)
3	3544- 3605	46/ 15	737/ 60	50/ 15	495/ 45	1761- 1703	56' MUD

REMARKS AND RECOMMENDATIONS

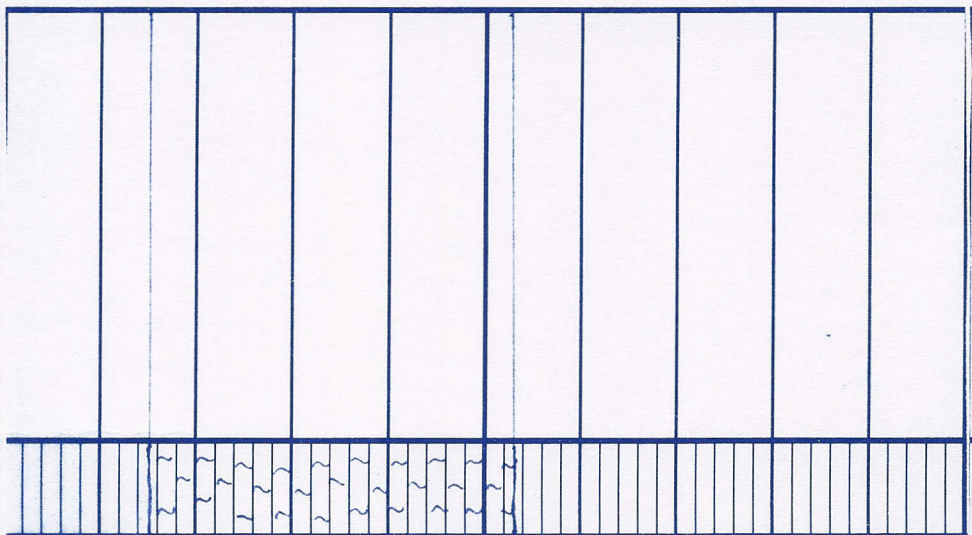
Based on rock sample pit shows
and log analysis, it was agreed to
cement 5 1/2" casing to further test the
Lansing - Kansas City and Conglomerate
zones through perforations.

Thank You

E. Hoover

AAAPG #5741

4



10 :

20

30

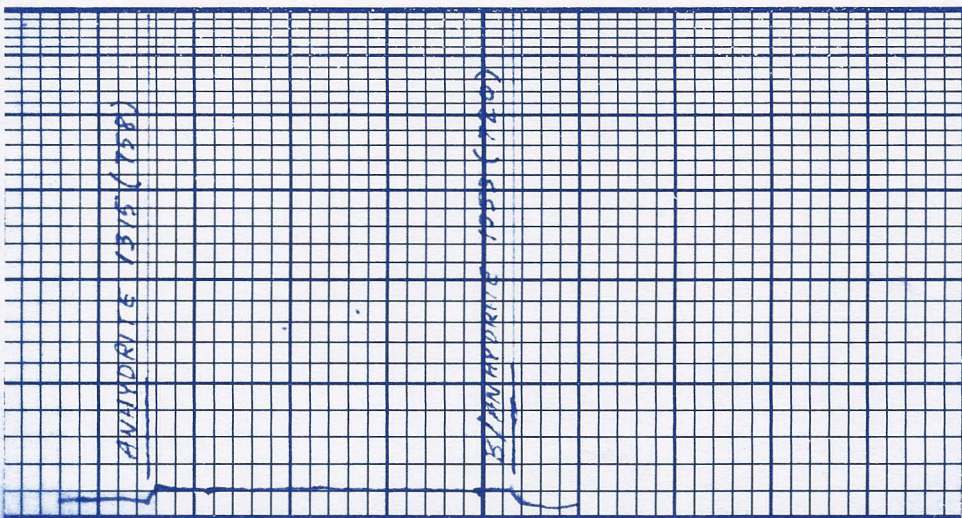
40

1350

60

70

80

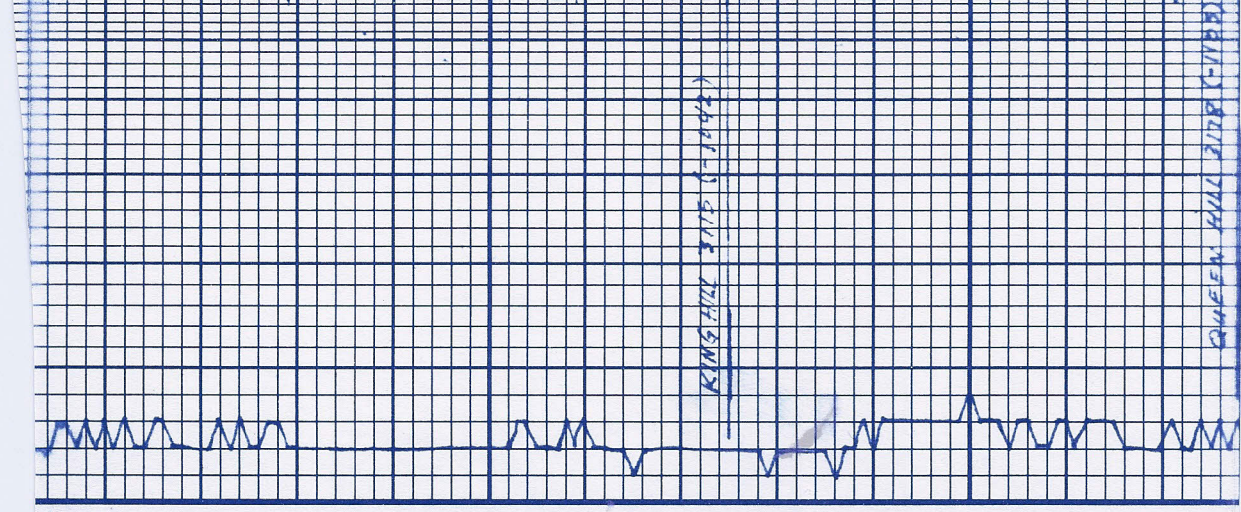


ANHYDRITE 1375 (1380)

ANHYDRITE 1000 (110)

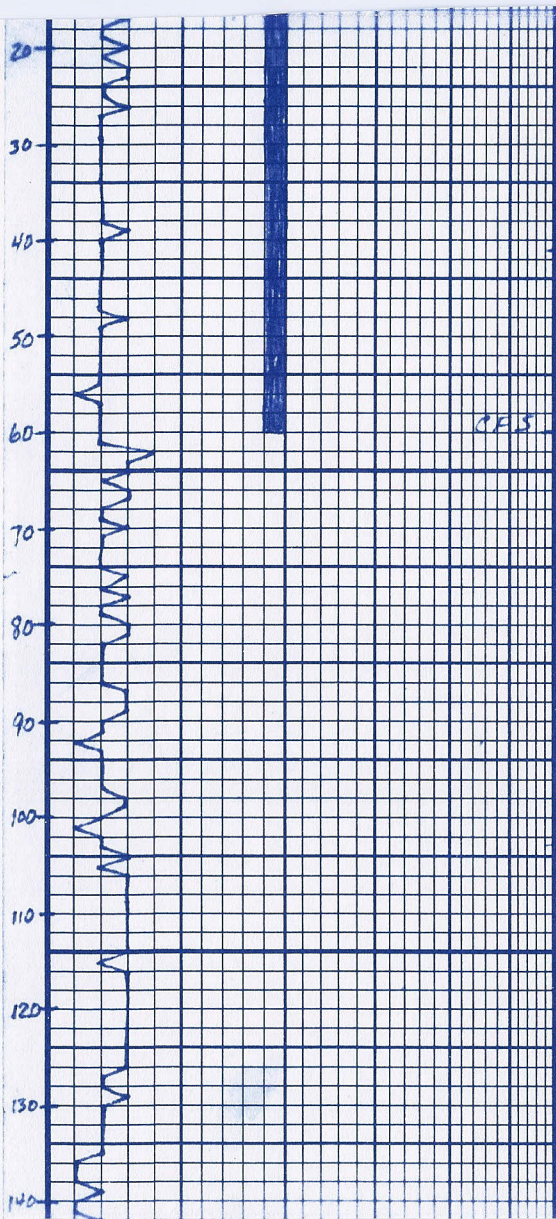
LS: tan, f-med xln, inter xln - frag ♂, fos, N.S.	SH: gry.
SH: gry, f-med, p.ty.	
LS: tan - lt brn - lt gry, f-med xln, mottled, N.S.	
LS: SAB	
LS: tan - lt brn, f-med xln, inter xln ♂, N.S.	
LS: SAB	
SH: blk, carb, blk.	
SH: gry, f-med, p.ty - blk.	
LS: tan, f-med xln, inter xln ♂, N.S.	
LS: tan, f-med xln, inter xln ♂, N.S.	
LS: SAB	

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60
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80
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3100
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60
70



KING HILL 3115 (-1402)

QUEEN HILL 3118 (-1122)



10

LS: lt tan - tan, f-med
xln, inter xln \emptyset , sl,
ool, FSFO, gd odor,
drk even-uneven stn.

20

SH: gry, med, blk

30

LS: tan-lt gry, f-med xln,
FSFO, sl, odor, lt -
drk even stn.

40

SH: gry, f, med, plty.

50

LS: tan-lt brn, f-med
xln, ool, inter xln-ool
 \emptyset , FSFO, Fr odor, lt -
drk uneven-even stn.

60

SH: gry

70

LS: tan-lt gry, f-med
xln, sl, vuggy, inter
xln-vuggy \emptyset , SSFO,
Fr odor, lt spty stn.

80

LS: tan-lt brn, med xln,
inter xln \emptyset , SSFO, gd
odor, lt-drk even stn.

90

LS: tan-lt brn, f-med xln,
inter xln \emptyset , FSFO,
Fr odor, lt-drk even
stn.

3400

LS: tan, f-med xln, inter
xln \emptyset , ool, chrty, VSSFO,
VSl odor, lt spty stn.

10

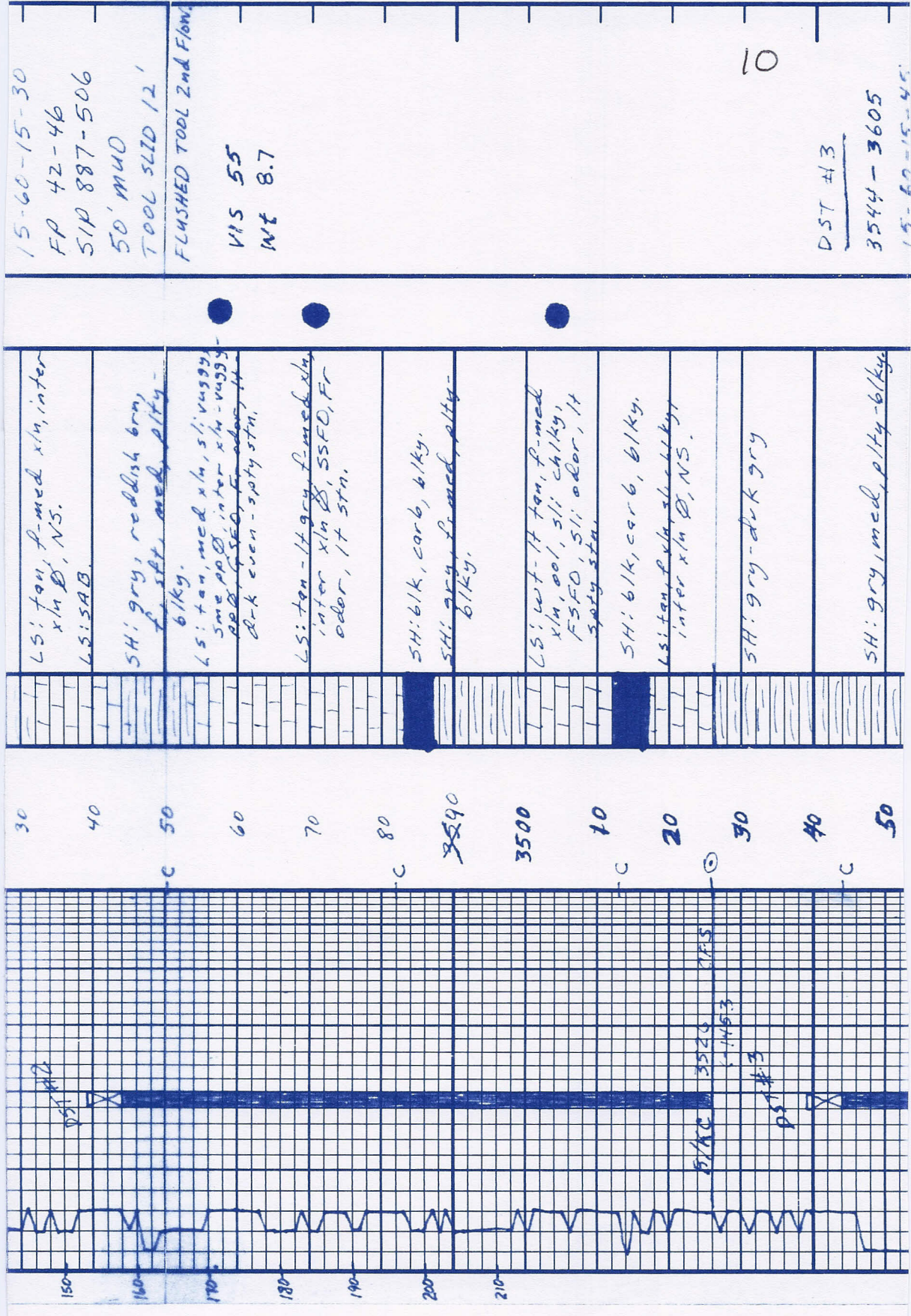
SH: blk, carb, blk.

20

SH: gry, med, plty-blky.

VIS 56
Wt 8.8

DST # 2
3444 - 3526



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~~3590~~

3500

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LS: tan, f-med x/n, inter x/n Ø, NS.
LS: SAB.

SH: gry, reddish brn, f. sft, med, p/ty - blk.

LS: tan, med x/n, s/vuggy, some pp Ø, inter x/n - vuggy - redd. f. sft, f. odor, lt. drk even - apty str.

LS: tan - lt gry, f-med x/n, inter x/n Ø, SSFO, Fr odor, lt str.

SH: blk, carb, blk.

SH: gry, f-med, p/ty - blk.

LS: wt - lt tan, f-med x/n,ool, sli ch/ky, FSFO, sli odor, lt apty str.

SH: blk, carb, blk.

LS: tan, f. x/n, sli ch/ky, inter x/n Ø, NS.

SH: gry - drk gry

SH: gry, med, p/ty - blk.

15-60-15-30
FP 42-46
SIP 887-506
50' MUD
TOOL SLID 12'

FLUSHED TOOL 2nd Flow.

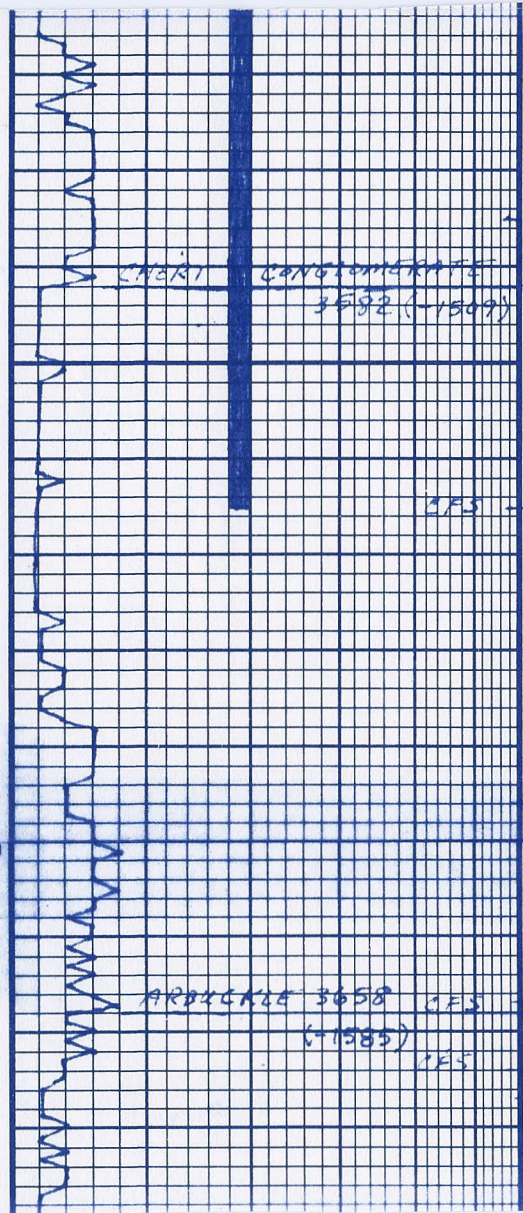
VIS 55
WT 8.7

10

DST #13

3544 - 3605

15-60-15-40

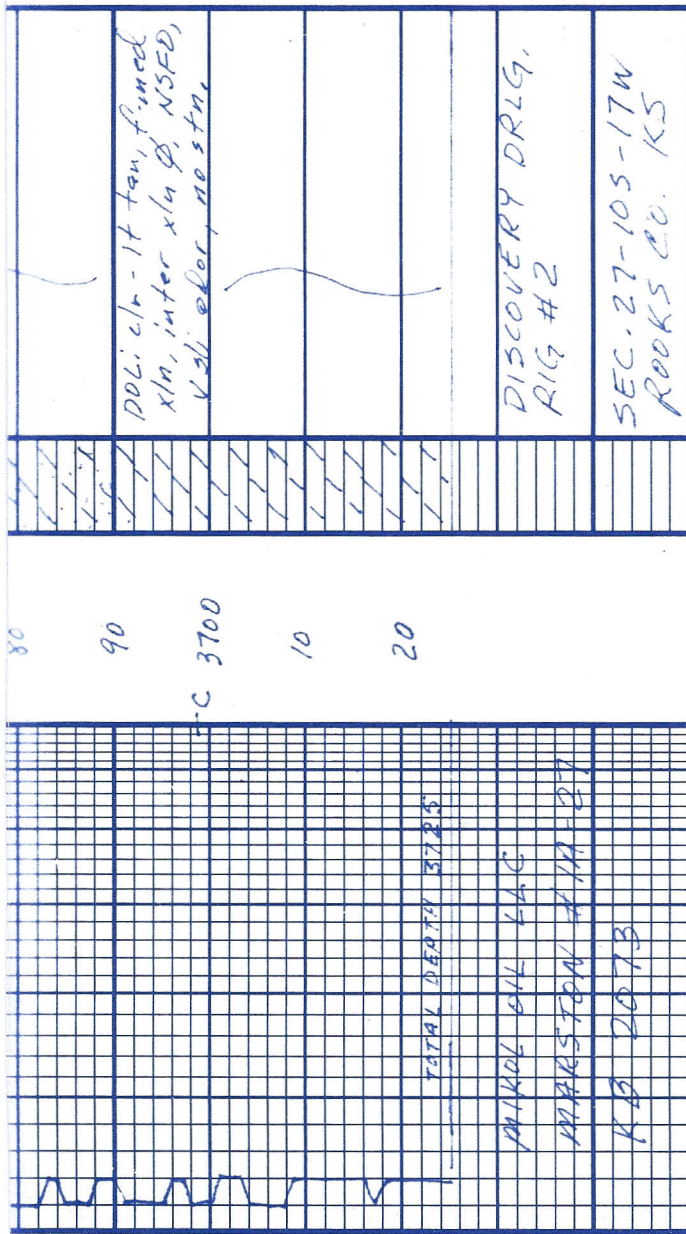


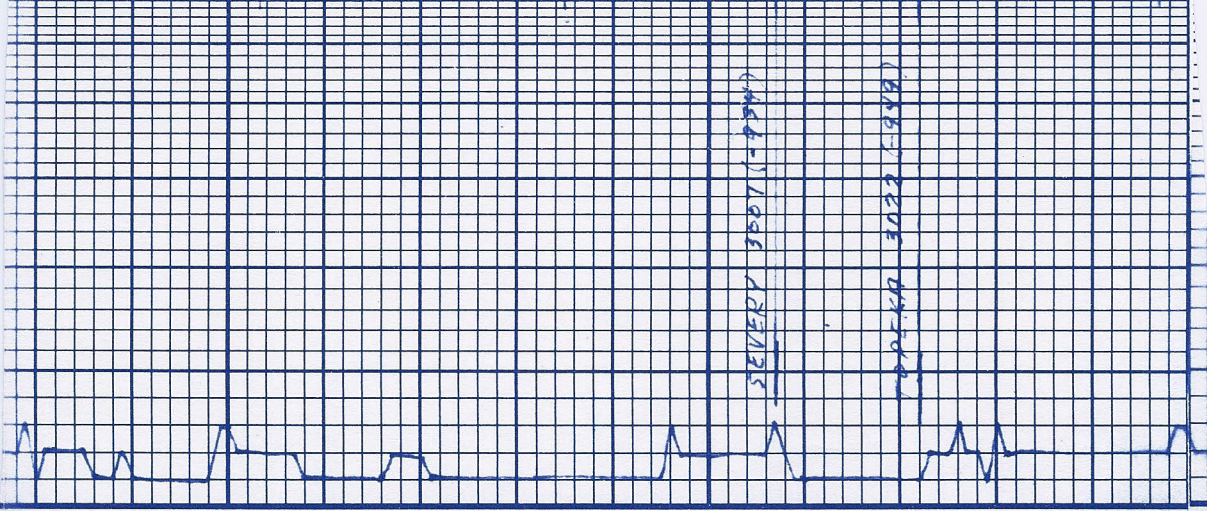
60
70
80
X90
3600
40
50
60
70

○	LS: lt tan-tan, f-med xln, dol, vuggy ip, inter xln-dol-vuggy, SSFO, v sli odor, saty str.
○	SS: clr, f-grn, subrnd-rnd, mod sort, friable, calc, SSFO, v sli odor, lt-drk even str, LS: tan
△	CONG. CHRT: vari clrd, LS: wt-tan, cherty, SSFO on break, SH: vari clrd
△	CONG: SAB
○	SH: gry, f, med plty-blky.
○	SH: vari clrd, mstly gry - lt olive grn.
○	SS: gry-clr, f-med grn, ang-subrnd, poor sort, calc cont, NS.
○	SH: mstly lt blu-grn, wxy plty.
○	DOL: clr - lt gry, f-med xln, sandy, inter xln-grn, NS.

FP 46-50
SIP 737-495
56' MUD

VIS 55
WT 9.0





30

40

50

60

70

80

90

3000

10

20

30

40

SH: gry - drk gry, blk.

LS: tan, f-med xln,
inter xln Ø, N5.

SH: gry, med, plty -
blk.

SH: gry, f-med, plty

LS: lt brn-brn, f-med
xln, fos, inter xln -
frag Ø, N5.

LS: tan - lt brn, f xln,
inter xln Ø, N5.

6