



KANSAS CORPORATION COMMISSION 1077117
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5263
Name: Midwestern Exploration Company
Address 1: 3500 S BOULEVARD STE 2B
Address 2: _____
City: EDMOND State: OK Zip: 73013 + 5487
Contact Person: Dale J. Lollar, President
Phone: (405) 340-4300
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Tom Williams
Purchaser: Valero Marketing and Supply

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 #: _____
11/14/2011 11/21/2011 02/05/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-189-22776-00-00
Spot Description: _____
S2 NW NW NW Sec. 10 Twp. 35 S. R. 35 East West
350 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stevens
Lease Name: Mary 'B' Well #: 2-10
Field Name: Gooch
Producing Formation: Basal Chester
Elevation: Ground: 2980 Kelly Bushing: 2989
Total Depth: 6800 Plug Back Total Depth: 6624
Amount of Surface Pipe Set and Cemented at: 1650 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: 2700 ppm Fluid volume: 1400 bbls
Dewatering method used: Evaporated
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: 03/26/2012
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 03/28/2012



1077117

Operator Name: Midwestern Exploration Company Lease Name: Mary 'B' Well #: 2-10
 Sec. 10 Twp. 35 S. R. 35 East West County: Stevens

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 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction Microlog Compensated Neutron-Density	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:60%; border: none;">Name</td> <td style="width:20%; border: none;">Top</td> <td style="width:20%; border: none;">Datum</td> </tr> <tr> <td style="border: none;">Attached</td> <td style="border: none;">Attached</td> <td style="border: none;">Attached</td> </tr> </table>	Name	Top	Datum	Attached	Attached	Attached
Name	Top	Datum					
Attached	Attached	Attached					

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

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
6	6556-6578'	2500 gal 7 1/2 NEFE Acid	
6	6532-6538'	750 gal 7 1/2 NEFE Acid	
	All perms	FRAC with 25,284 gal 50Q	
		Foam w/56,950# 20/40 sand and	
		477,000 scf N2	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>6587'</u>	Packer At: <u>--</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>02/05/2012</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>115</u>	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>6532-6578' (OA)</u>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------

Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	Mary 'B' 2-10
Doc ID	1077117

Tops

Name	Top	Depth
Base/Heebner	4337'	(-1348')
Toronto Lm	4355'	(-1366')
Lansing	4456'	(-1467')
Marmaton	5214'	(-2225')
Cherokee Shale	5570'	(-2581')
L. Atoka Lime	5877'	(-2888')
Morrow Shale	5911'	(-2922')
Chester C Lime	6281'	(-3292')
Ste Genevieve	6640'	(-3651')
St. Louis	6720'	(-3731')

Form	ACO1 - Well Completion
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Size	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	65	60	Grout	10	
Surface	12.250	8.625	24	1650	Class A con	400	3% CC slurry
Surface	12.250	8.625	24	1650	Class A Premium	150	2% CC slurry
Production	7.875	5.5	15.5	6705	Class A	150	AA2

MIDWESTERN EXPLORATION COMPANY

Mary 'B' #2-10

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Mary 'B' #2-10
Location: Section 10-T35S-R35W
License Number: API 15-189-22776
Spud Date: 11/14/11
Surface Coordinates: 350' FNL & 330' FWL
Region: Stevens Co, KS
Drilling Completed: 11/22/2011
Bottom Hole Coordinates: 350' FNL & 330' FWL
Ground Elevation (ft): 2,977' K.B. Elevation (ft): 2,989'
Logged Interval (ft): 4,300' To: 6,800' Total Depth (ft): 6,800'
Formation: Mississippian St. Louis
Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Midwestern Exploration Company
Address: 3500 S. Boulevard, Suite #2B
Edmond, OK 73013

GEOLOGIST

Name: Thomas M. Williams
Company: Petroleum Geologist
Address: Wichita, KS

CORE

Contractor:
Core #:
Formation:
Core Interval: From: Cut:
To: Recovered:
Bit type:
Size:
Coring Time:

Formation Tops

	Sample Top	E-Log Top
Base/Heebner Sir	4345 (-1356)	4337 (-1348)
Toronto Lm	4356 (-1367)	4355 (-1366)
Lansing	4458 (-1469)	4456 (-1467)
Marmaton	5229 (-2240)	5214 (-2225)
Cherokee Shale	5586 (-2597)	5570 (-2581)
L. Atoka Lime	5893 (-2904)	5877 (-2888)
Morrow Shale	5927 (-2938)	5911 (-2922)
U. Morrow Sand	5930 (-2941)	5914 (-2925)
L. Morrow Lime	6234 (-3245)	6219 (-3230)
Chester 'C' Lime	6295 (-3306)	6281 (-3292)
Chester 'A' Lime	6406 (-3417)	6392 (-3403)
Chester 'A' Sand	6548 (-3559)	6534 (-3545)
Ste. Genevieve	6657 (-3668)	6640 (-3651)
St. Louis	6735 (-3746)	6720 (-3731)

DSTs**DST #1 6535-6575' Chester 'A' Sand**

IHP 3278#

IFP 49-90# 30"

ISIP 1839# 60"

FFP 72-123# 60"

FSIP 1753# 120"

FHP 3209#

IF Strong, Bottom of bucket in 3"

FF Strong, BOB ASAO, GTS @ shut-in






Rec: 480' Gas in pipe






280' Gas cut muddy oil, 20% gas, 75% oil, 5% mud

Comments

Due to the shows of gas in the Upper Morrow Sand and the Chester 'B' Lime, and the very good show of oil in the Chester Sand from DST # 1 along with favorable electric log calculations, it was decided to further test the Mary 'B' #2-10 through production casing.

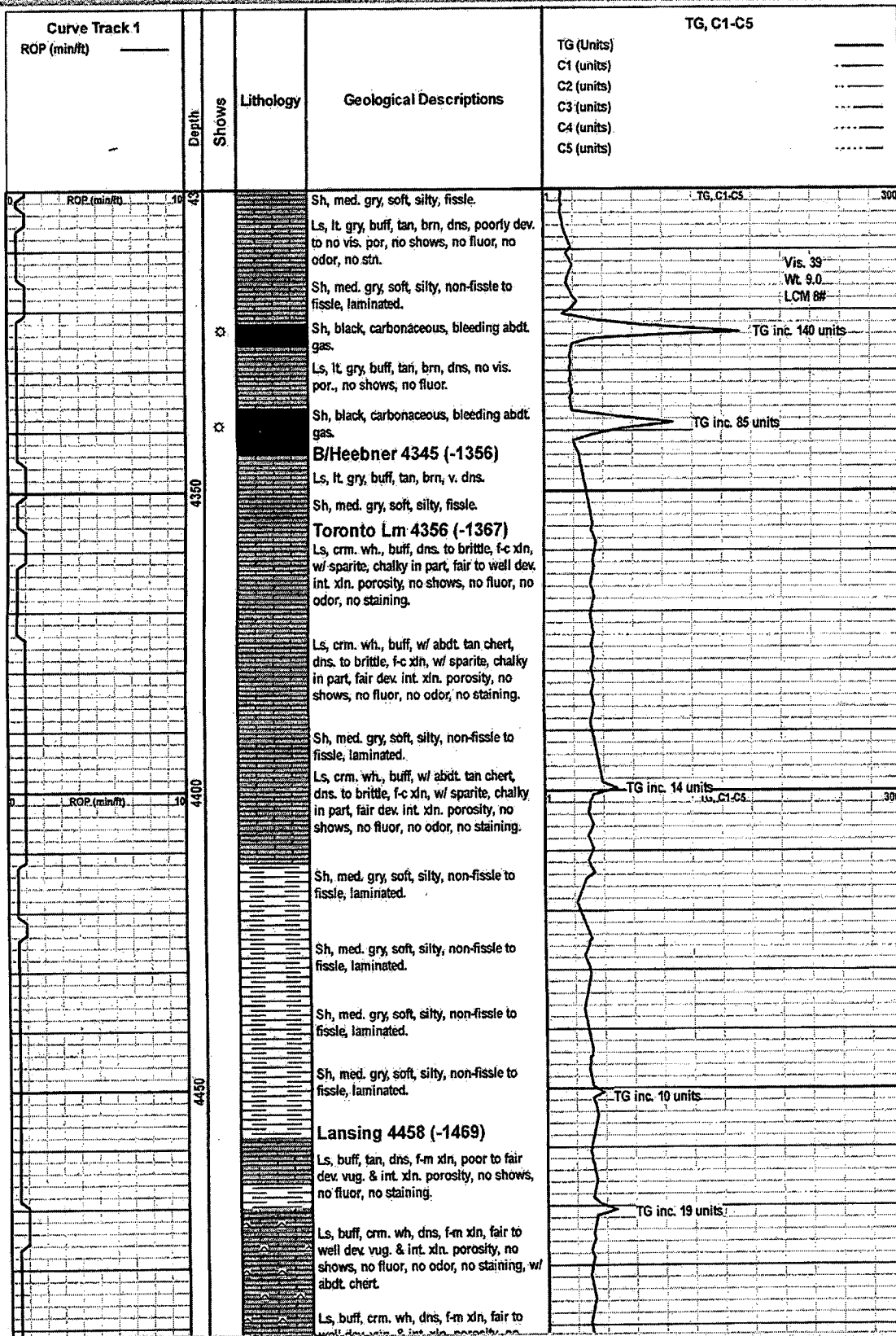
ROCK TYPES

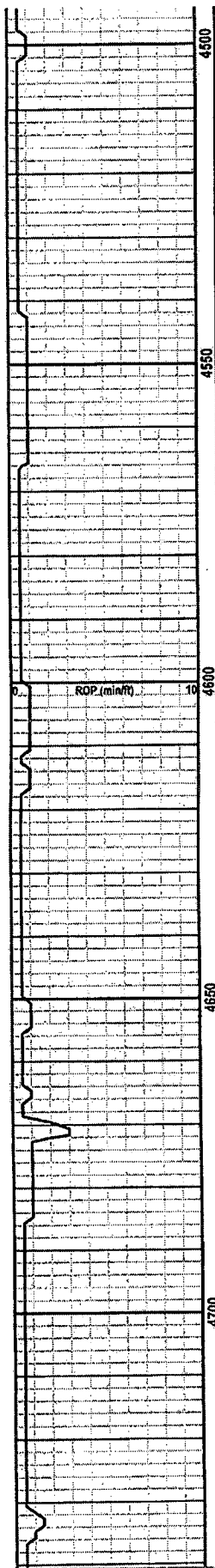
-  Anhy
-  Bent
-  Brec
-  Cht
-  Clyst

-  Carb.sh
-  Congl
-  Dol
-  Gyp
-  Igne

-  Lmst
-  Meta
-  Mrlst
-  Salt
-  Shale

-  Shcol
-  Shgy
-  Siltst
-  Ss
-  Till





abdt. chert.

Ls, med. to drk. gry, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, f-m xln, foss, poor to fair dev. vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, f-m xln, foss, poor to fair dev. vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, med. to drk. gry, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, lt. gry-wh, f-m xln, foss, poor to fair dev. vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt. gry, f-m xln, dns. to brittle, fair dev. vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt. gry, f-m xln, dns. to brittle, fair dev. vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt. gry, f-m xln, dns. to brittle, fair dev. vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

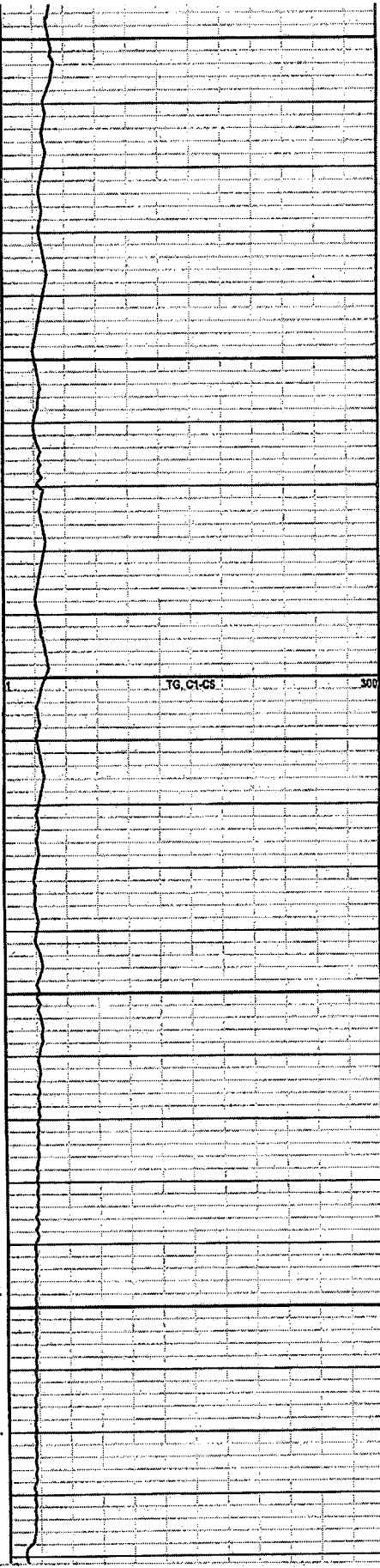
Ls, buff, crm. wh, gry-wh, dns. to brittle, fair dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

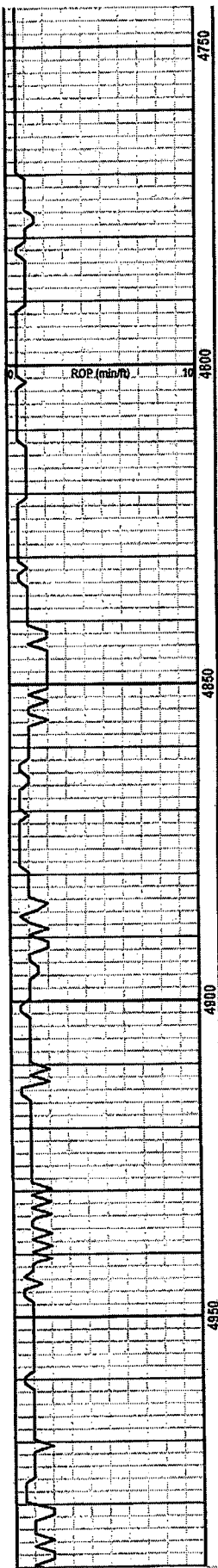
Ls, buff, crm. wh, gry-wh, dns. to brittle, fair dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.





Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev int. xln. & vug. porosity, no shows, no fluor, no odor, no staining, chalky.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining, chalky.

Ls, tan, buff, f-m xln, brittle, oolitic, fair dev. oolitic porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm, lt. gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining.

Ls, tan, gry, v. dns, p. dev. to no vis. porosity, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no staining.

Ls, buff, crm, lt. gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining.

Sh, med. to drk. gry, fissile, brittle.

Ls, lt. to med. gry, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. to med. gry, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. to med. gry, f. xln, v. dns, arg. & shaley, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining, w/ med. gry sh.

Ls, buff, crm, lt. gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining.

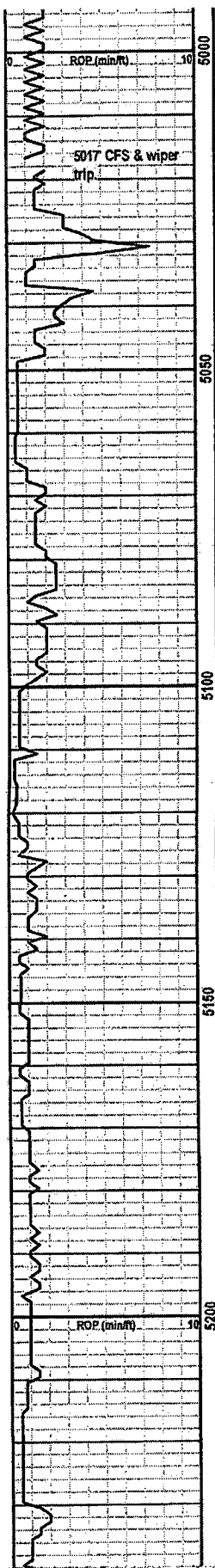
Ls, crm-wh, lt. gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining, chalky.

Ls, tan, lt. gry, v. dns, f. xln, no vis. porosity, no shows, no fluor, no odor, no

Vis. 37
Wt. 9.0
LCM 8#

TG, C1-C5

300



Ls, gry, tan, brn, v. dns, f. xln, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, crm-wh, lt. gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining, chalky.

Ls, gry, tan, brn, v. dns, f. xln, arg., no vis. poro., no shw, no fluor.

Sh, lt. green, lt. to med. gry, fissile.

Ls, buff, tan, lt. gry, f-c xln. w/ sparite, fair dev. int. foss. porosity, no shw, no fluor, no odor, no stn.

Ls, buff, tan, f-m xln, v. brittle, foss. & oolitic, well dev. int. foss. & oomoldic porosity, no shows, no odor, no staining, chalky fluor.

Ls, lt. gry, tan, f. xln. to micritic, no vis. porosity, no shows, no fluor, no staining.

Ls, lt. gry, tan, f. xln. to micritic, no vis. porosity, no shows, no fluor, no staining.

Ls, lt. gry, tan, f. xln. to micritic, no vis. porosity, no shows, no fluor, no staining.

Ls, buff, tan, f-m xln, v. brittle, foss. & oolitic, well dev. int. foss. & oomoldic porosity, no shows, no odor, no staining, chalky fluor.

Ls, buff, tan, f-m xln, v. brittle, foss. & oolitic, well dev. int. foss. & oomoldic porosity, no shows, no odor, no staining, chalky fluor.

Ls, lt. to med. gry, tan, dns, f. xln, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Sh, lt. to med. gry, silty, fissile.

Ls, lt. to med. gry, tan, dns, f. xln, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. to med. gry, tan, dns, f. xln, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.

Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.

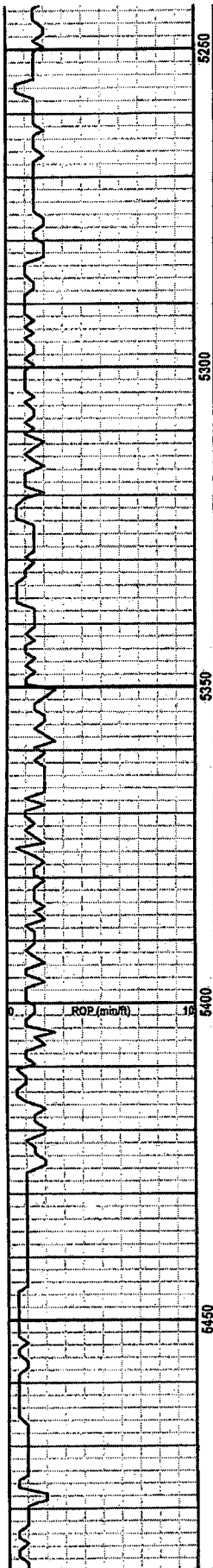
Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.

Siltstone, lt. gry, grading to v. f. gr. sandstone, brittle, fissile, laminated, no vis. porosity, no shows, no fluor, no odor, no stn.

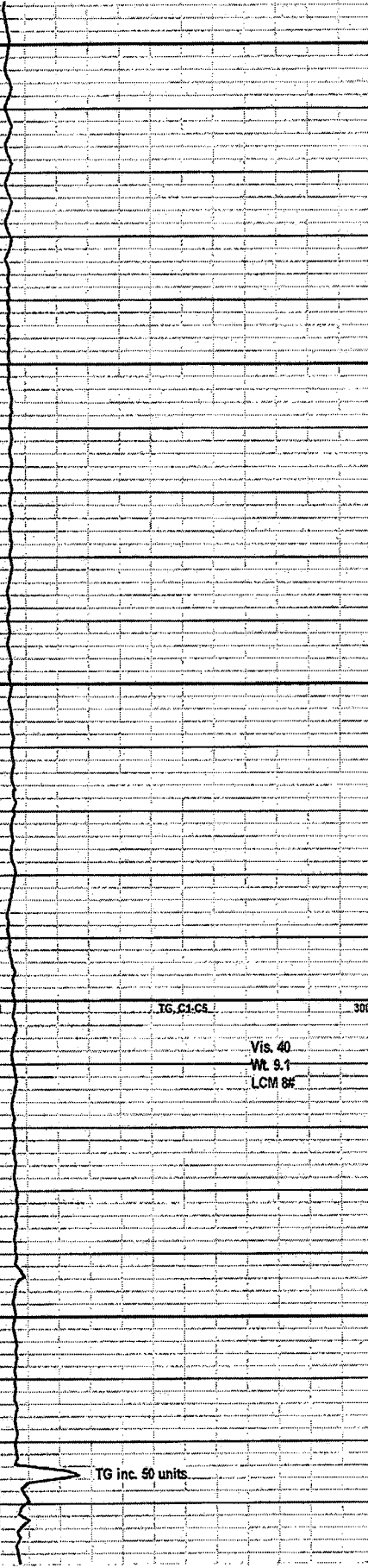
Marmaton 5229 (-2240)

Ls, buff, tan, lt. gry, f. xln, poorly dev. to no vis. porosity, no shows, no fluor, no

TG, C1-C5	Vis. 42	300
	WL 9.1	
	LCM 6#	
	PH 9.5	
	WL 11.2	
	Chl. 1,800	
Trip gas		
TG inc. 5 units		
TG, C1-C5		300



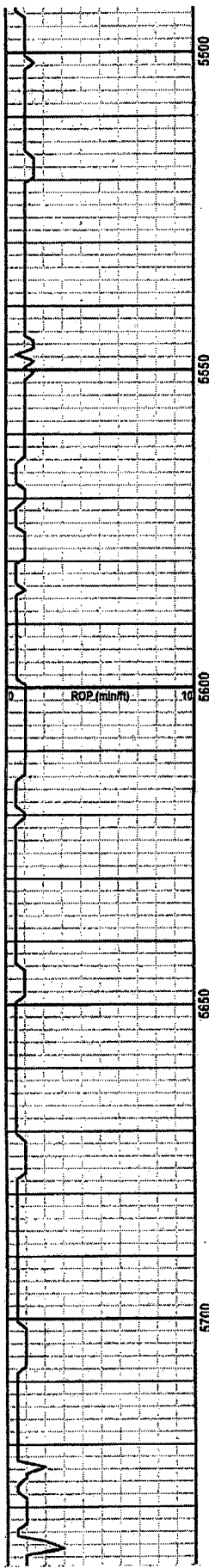
Ls, buff, tan, lt. gry, f. xln, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining.
 Sh, lt to med. gry, silty, fissle.
 Ls, buff, tan, f. xln, dns, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, buff, tan, f. xln, dns, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, buff, tan, f. xln, dns, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, med. to drk gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.
 Ls, med. to drk gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.
 Sh, med. gry, silty, calcareous.
 Ls, med. to drk gry, f. xln, dns, arg. & shaley w/ med. gry shale.
 Sh, med. gry, silty, calcareous.
 Ls, lt to med. gry, tan, f. xln, v. dns; no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, lt to med. gry, tan, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, buff, tan, lt. gry, f-m xln, dns, poorly dev. int. xln. porosity, no shows, no fluor, no odor, no stn.
 Ls, buff, tan, lt. gry, f-m xln, dns, poorly dev. int. xln. porosity, no shows, no fluor, no odor, no stn.
 Ls, buff, tan, lt. gry, f-m xln, dns, poorly dev. int. xln. porosity, no shows, no fluor, no odor, no stn.
 Ls, buff, tan, lt. gry, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluor, no odor, no stn.
 Ls, crm. wh, buff, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluor, no odor, no stn.
 Ls, crm. wh, buff, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluor, no odor, no stn., chalky.
 Ls, crm. wh, buff, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluor, no odor, no stn., chalky.
 Sh, black carb., bleeding gas.
 Ls, med. to drk gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.



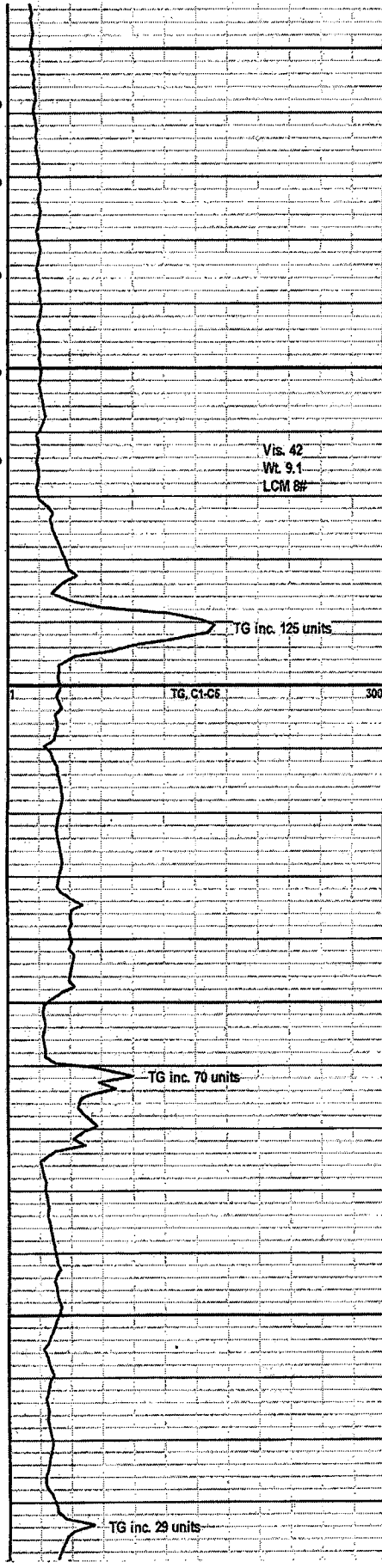
TG, C1-C5

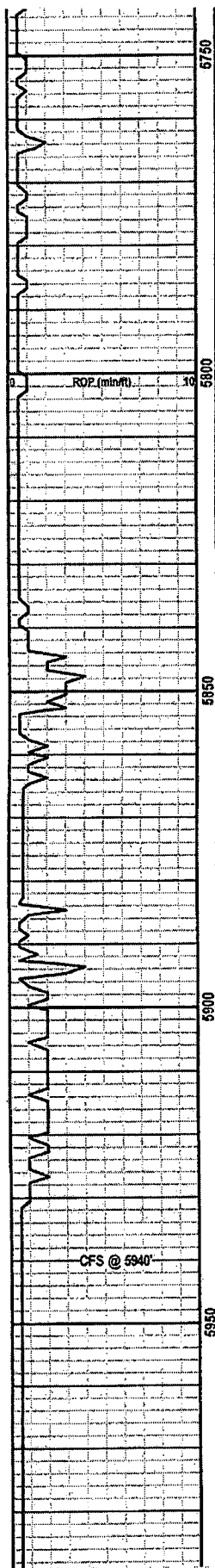
Vis. 40
 Wt. 9.1
 LCM 6#

TG inc. 50 units



Ls, med. to drk. gry, f. xln, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.
 Ls, lt. to med. gry, tan, f. xln, dns, no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, lt. to med. gry, tan, f. xln, dns, no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, lt. to med. gry, tan, f. xln, dns, no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, lt. to med. gry, tan, f. xln, dns, no vis. porosity, no shows, no fluor, no odor, no staining.
 Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.
Cherokee Sh 5586 (-2597)
 Sh, black carbonaceous, bleeding abdt gas.
 Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluoro, no odor, no stn.
 Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluoro, no odor, no stn.
 Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluoro, no odor, no stn.
 Sh, med. to drk. gry, black, carb.
 Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluoro, no odor, no stn.
 Sh, med. to drk. gry, black, carb.
 Sh, black carb., bleeding gas.
 Sh, med. to drk. gry, black, carb.
 Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluoro, no odor, no stn.
 Sh, med. to drk. gry, black, carb.
 Sh, med. to drk. gry, black, carb.
 Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluoro, no odor, no stn.
 Sh, med. to drk. gry, black, carb.
 Sh, med. to drk. gry, black, carb.
 Ls, med. to drk. gry, dns, f. xln
 Sh, med. to drk. gry, black, carb.
 Ls, med. to drk. gry, dns, f. xln
 Sh, med. to drk. gry, black, carb.
 Ls, tan, brn, gry, f. xln, v. dns





Sh, med. to drk gry, black, carb.

Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Sh, black carb., bleeding gas.

Ls, tan, brn, gry, f. xln, v. dns.

Sh, black carb., bleeding gas.

Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Sh, med. to drk gry, black, carb.

Ls, tan, brn, gry, f. xln, v. dns

Sh, black carb., bleeding gas.

Ls, brn, f. xln, micritic, no shows.

Sh, black carb., bleeding gas.

Ls, brn, f. xln, micritic, no shows.

Sh, black carb., bleeding gas.

Ls, brn, f. xln, micritic, no shows.

Sh, black carb., bleeding gas.

Ls, brn, f. xln, micritic, no shows.

Sh, black carb., bleeding gas.

Sh, black carb., bleeding gas.

Sh, black carb., bleeding gas.

Sh, black carb., bleeding gas.

L. Atoka Lime 5893 (-2904)
Ls, tan, brn, gry, f. xln. to micritic, no vis. porosity, no shows, no fluor, no odor, no stn, tr. pyrite.

Ls, tan, brn, gry, f. xln. to micritic, no vis. porosity, no shows, no fluor, no odor, no stn, tr. pyrite.

Morrow Sh 5927 (-2938)
U. Mrw. Sd 5930 (-2941)
SS, wh, vf. gr, silty, calcareous, p. dev. int. gr. porosity, fair shw. gas, no fluor, fair odor, no staining.

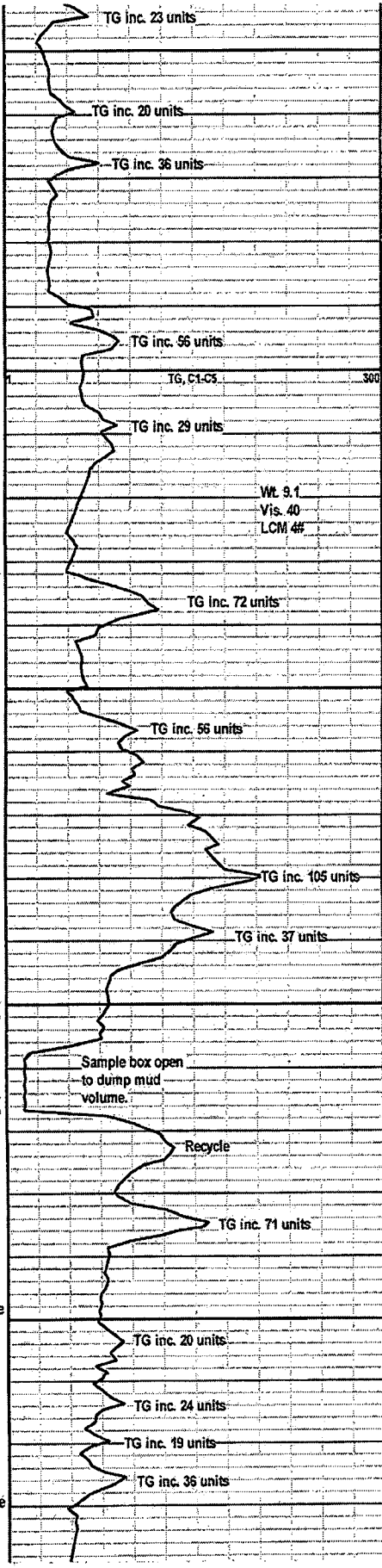
Sh, med. to drk gry, silty, carb. laminations, fissle blades to blocky, some pyrite.

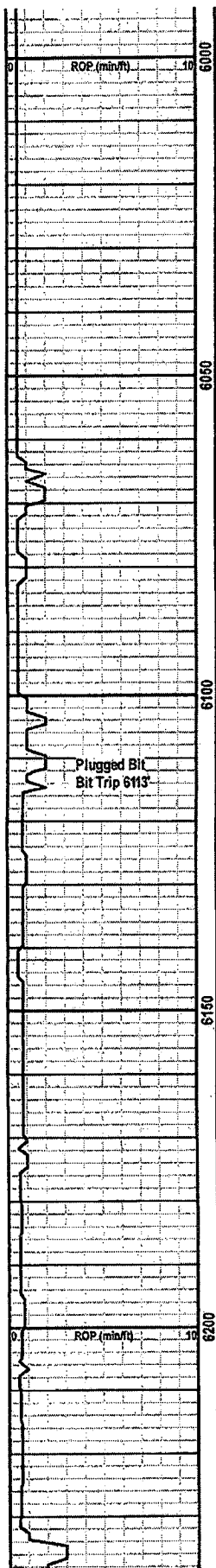
Sh, lt. to drk gry, silty, micaceous, laminated, fissle.

Sh, med. gry, silty, fissle, tr. pyrite.

Sh, med. to drk gry, silty, carb. laminations, fissle blades to blocky, some pyrite.

Sh, lt. to drk gry, silty, micaceous.





Sh, med. gry, silty, fissle, tr. pyrite.

Sh, med. to drk gry, silty, carb. laminations, fissle blades to blocky, some pyrite.

Sh, lt. to drk gry, silty, micaceous, laminated, fissle.

Sh, med. gry, silty, fissle, tr. pyrite.

Sh, med. to drk gry, silty, carb. laminations, fissle blades to blocky, some pyrite.

Sh, lt. to drk gry, silty, micaceous, laminated, fissle.

Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Sh, med. gry, silty, fissle, tr. pyrite.

Sh, med. to drk gry, silty, carb. laminations, fissle blades to blocky, some pyrite.

Sh, lt. to drk gry, silty, micaceous, laminated, fissle.

Sh, med. gry, silty, fissle, tr. pyrite.

Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Sh, med. to drk gry, silty, fissle blades to blocky, some pyrite.

Sh, lt. to drk gry, silty, micaceous, laminated, fissle.

Sh, med. gry, silty, fissle, tr. pyrite.

Sh, med. to drk gry, silty, fissle blades to blocky, some pyrite.

Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.

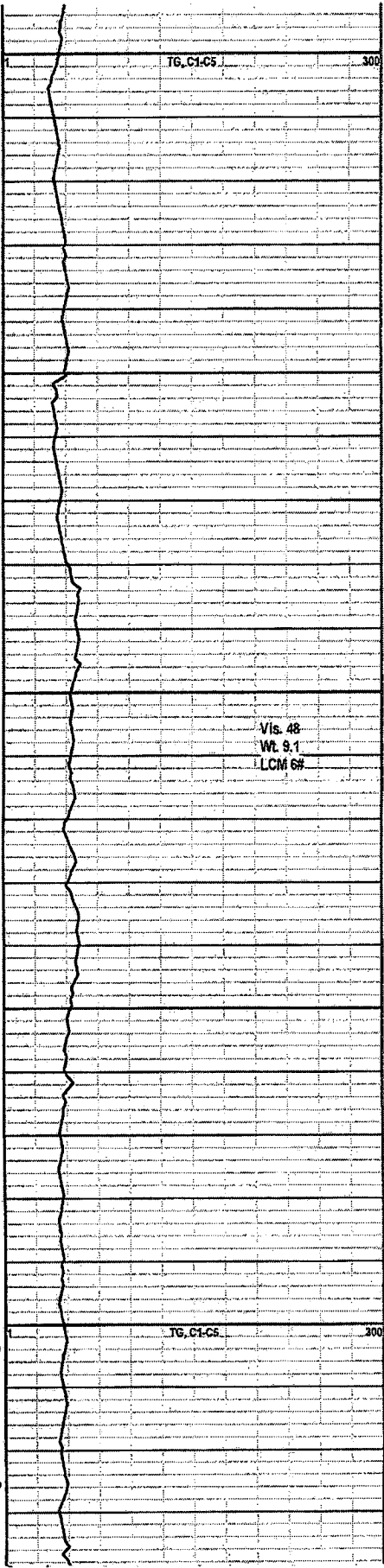
Sh, med. gry, silty, fissle, tr. pyrite.

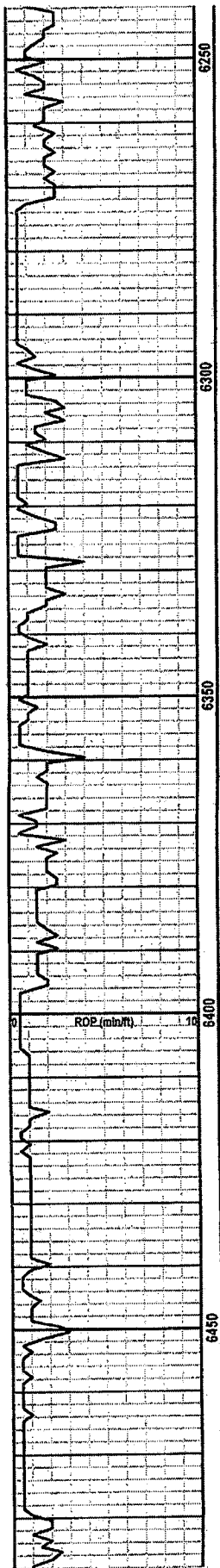
Sh, med. to drk gry, silty, fissle blades to blocky, some pyrite.

Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Sh, med. to drk gry, silty, fissle blades to blocky, some pyrite.

L. Mrw. Lm 6234 (-3245)
Ls. buff. tan. arv. f-m xln. dns. sandy w/





gr. porosity, sli. shw. gas, no fluor, no odor, no str.

Sh, lt. to med. gry, silty, fissle.

Ls, buff, tan, gry, f-m xln, dns, sandy w/ c. gr. sub-ang. sand, glauc., p. dev. int. gr. porosity, sli. shw. gas, no fluor, no odor, no str.

Sh, lt. to med. gry, soft, silty, fissle.

Sh, lt. to med. gry, soft, silty, fissle.

Sh, lt. to med. gry, soft, silty, fissle.

Chester 'C' 6295 (-3306)

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, v. sli. shw. gas, no fluor, no odor.

Sh, lt. to med. gry, soft, silty, fissle.

Ls, buff, tan, f-m xln, foss, p. dev. to no vis. por., no shw, no fluor.

Sh, lt. to med. gry, soft, silty, fissle.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, no show, no fluor, no odor.

Sh, lt. to med. gry, soft, silty, fissle.

Sh, lt. to med. gry, soft, silty, fissle.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, sli. shw. gas, no fluor, no odor.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, no show, no fluor, no odor.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, v. sli. shw. gas, no fluor, no odor.

Sh, lt. to med. gry, soft, silty, fissle.

Chester 'A' 6406 (-3417)

Ls, buff, tan, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

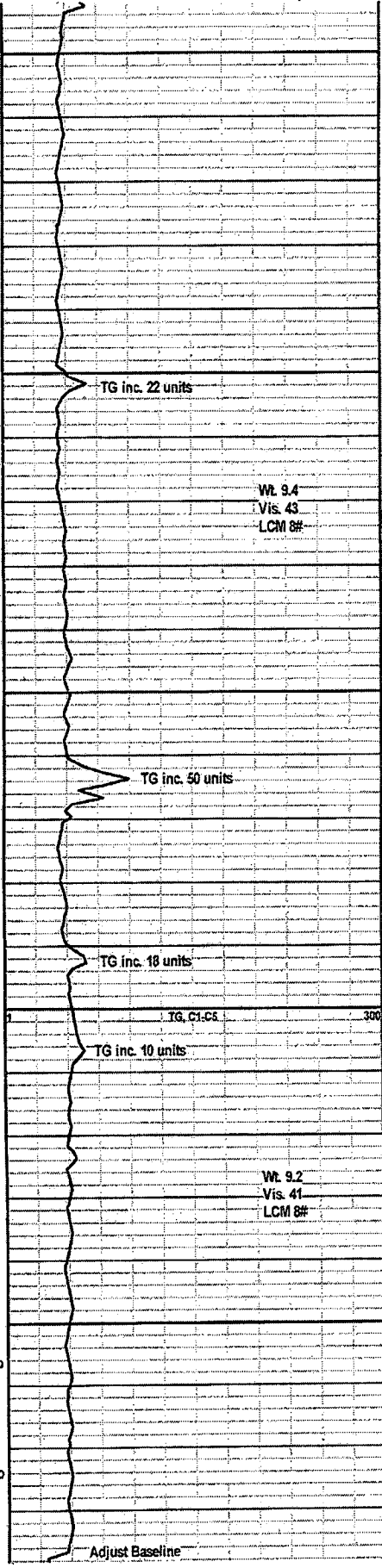
Ls, buff, tan, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

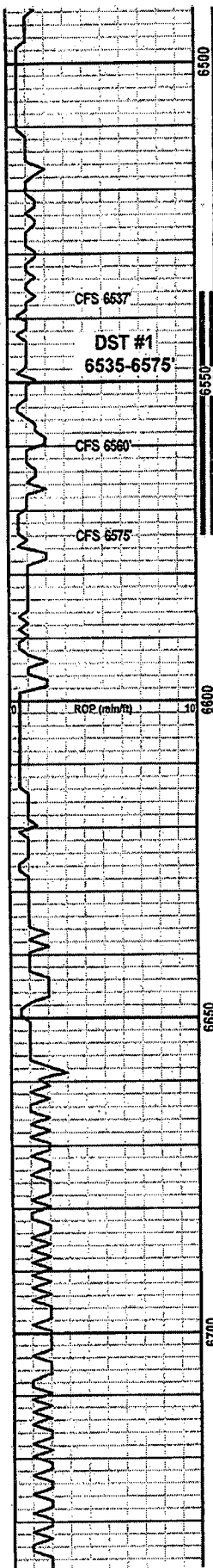
Ls, buff, tan, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, med. gry, f. xln, v. dns, no vis. porosity, no shows, no fluoro, no odor, no staining.

Ls, med. gry, f. xln, v. dns, no vis. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, tan, f. xln. to micritic, v. dns, no





odor, no staining.

Sh, lt. gry, soft, brittle, fissile.

Ls, buff, tan, lt. gry, v. dns, f. xln. to micritic, no vis. por, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt. gry, v. dns, f. xln. to micritic, no vis. por, no shows, no fluor, no odor, no staining.

Chester 'A' Sd 6548(-3559)

SS, wh, brown, m. gr, fair sort, sub-ang. fair to well dev. int. gr. porosity, good shw oil and gas, fair odor, dull gold fluor, saturated staining.

SS, wh, f-m gr, fair sort, sub-ang, p. dev. int. gr. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, f. xln, sandy, no vis. poro, no shw, no fluoro, no odor, no stn.

SS, wh, f-m gr, calcareous, p. dev. int. gr. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, f. xln, sandy, no vis. poro, no shw, no fluoro, no odor, no stn.

Sh & siltstone, brick red, lt. gry, green, v. soft, non-fissile, no shows, no fluor, no odor, no stn.

Sh & siltstone, brick red, lt. gry, green, v. soft, non-fissile, no shows, no fluor, no odor, no stn.

Ls, gry, f. xln, micritic, arg., no vis. porosity, no shw, no fluor, no stn.

Sh, med. to drk gry, calcareous, brittle, laminated, fissile.

Ls, gry, f. xln, micritic, arg., no vis. porosity, no shw, no fluor, no stn.

Sh, med. to drk gry, calcareous.

Ls, gry, f. xln, micritic, arg., no vis. porosity, no shw, no fluor, no stn.

Sh, med. to drk gry, calcareous, brittle, laminated, fissile.

Ste. Gen. 6657 (-3668)

Ls, red-brn, wh, v. sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. gry-wh, buff, red-wh, v. sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, wh, buff, red-wh, v. sandy w/ f. gr. sand, no vis. porosity, no shw, no fluor, no odor, no staining.

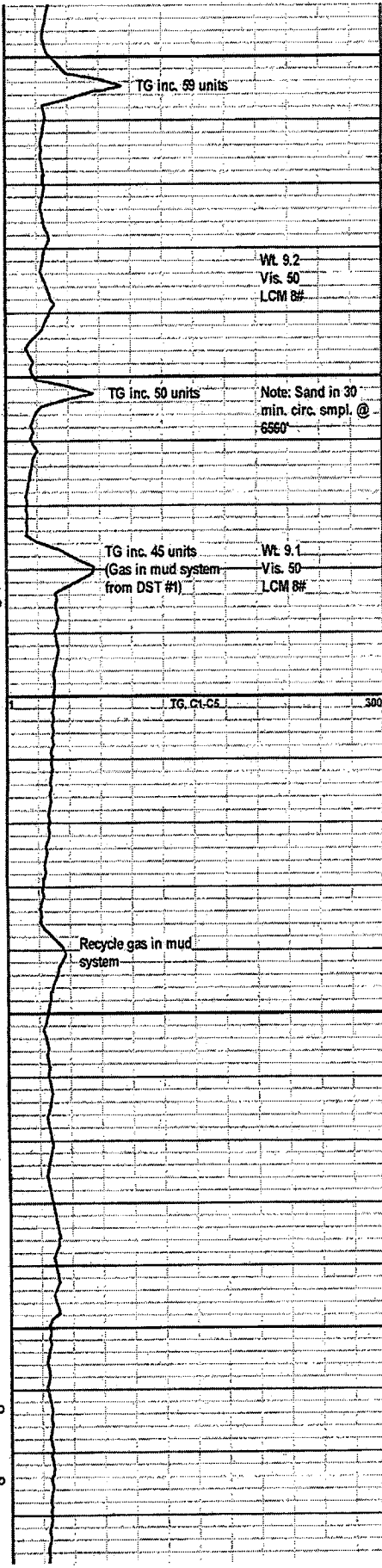
Ls, wh, buff, red-wh, v. sandy w/ f. gr. sand, no vis. porosity, no shw, no fluor, no odor, no staining.

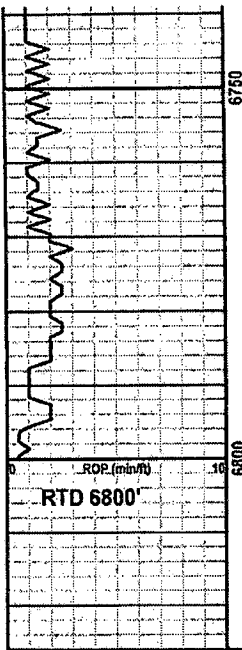
Ls, buff, crm. wh, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

St. Louis 6735 (-3746)

Ls, buff, crm. wh, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.





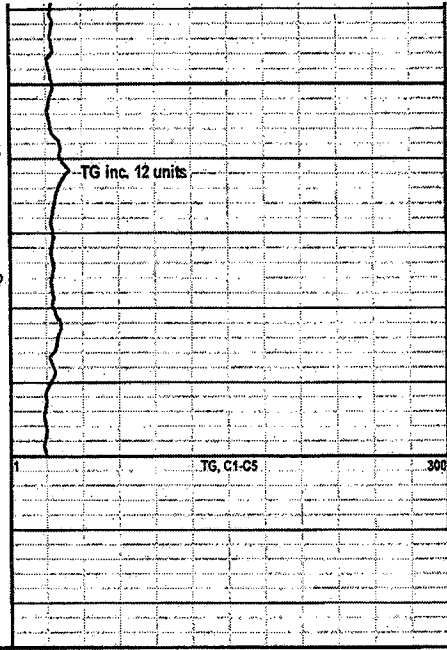
int. xln. porosity, no shows, no fluor, no odor, no staining.

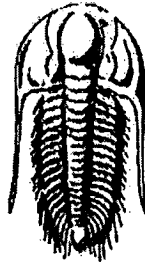
Ls, lt. gry, f. xln, w/ abdt. small oolites, no vis. porosity, no shw, no fluor, no odor, no staining.

Ls, crm. wh, buff, f-m xln, oolitic, p-f dev. int. foss. & int. xln. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, f. gr, abdt. small oolites, no vis. porosity, no shows, no fluor, no odor, no staining, w/ fresh sharp chert.

Ls, crm. wh, buff, f-m xln, chalky, v. oolitic, fair to well dev. int. foss & int. xln. porosity, no shows, no fluor, no odor, no staining.





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration Co.**

3500 S. BLVD STE25
Edmond, OK 73013

ATTN: Tom Williams

Mary #2-10

10-35s-35w Stevens,KS

Start Date: 2011.11.20 @ 17:25:51

End Date: 2011.11.21 @ 06:01:21

Job Ticket #: 42312 DST #: 1

Midwestern Exploration Co. 10-35s-35w Stevens,KS Mary #2-10 DST # 1 Chester A 2011.11.20

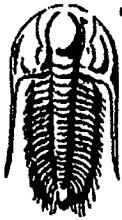
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

ORIGINAL

Printed: 2011.11.23 @ 15:53:57



**TRIBOLITE
TESTING, INC**

DRILL STEM TEST REPORT

Midwestern Exploration Co.

10-35s-35w Stevens,KS

3500 S. BLVD STE25
Edmond, OK 73013

Mary #2-10

Job Ticket: 42312

DST#: 1

ATTN: Tom Williams

Test Start: 2011.11.20 @ 17:25:51

GENERAL INFORMATION:

Formation: **Chester A**

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

Time Tool Opened: 22:11:21

Time Test Ended: 06:01:21

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Mke Slerrp**

Unit No: **53**

Interval: **6535.00 ft (KB) To 6575.00 ft (KB) (TVD)**

Total Depth: **6575.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2989.00 ft (KB)**

2977.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: **8677**

Inside

Press@RunDepth: **123.01 psig @ 6537.00 ft (KB)**

Start Date: **2011.11.20**

Start Time: **17:25:52**

End Date:

End Time:

2011.11.21

06:01:21

Capacity:

8000.00 psig

Last Calib.:

2011.11.21

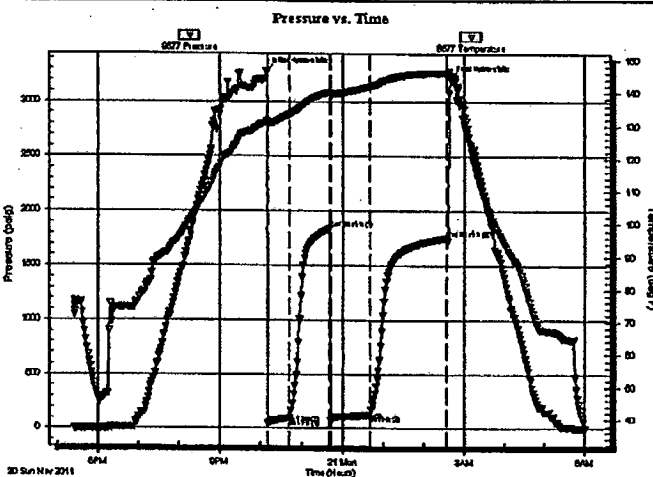
Time On Blrm

2011.11.20 @ 22:07:51

Time Off Blrm

2011.11.21 @ 02:39:06

TEST COMMENT: IF- BOB in 3 min
IS- No blow back
FF- BOB ASAO GTS at Shut in
FS- No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	3278.58	130.95	Initial Hydro-static
4	48.75	130.91	Open To Flow (1)
34	90.42	133.33	Shut-in(1)
93	1839.50	140.12	End Shut-in(1)
95	71.62	139.53	Open To Flow (2)
153	123.01	141.93	Shut-in(2)
266	1753.64	146.14	End Shut-in(2)
272	3209.12	145.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	GMCO 20%gas75%oil5%mud	1.40

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Midwestern Exploration Co.

10-35s-35w Stevens,KS

3500 S. BLVD STE25
Edmond, OK 73013

Mary #2-10

Job Ticket: 42312

DST#: 1

ATTN: Tom Williams

Test Start: 2011.11.20 @ 17:25:51

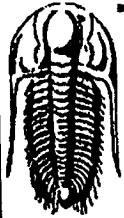
Tool Information

Drill Pipe:	Length: 6238.00 ft	Diameter: 3.80 Inches	Volume: 87.50 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 Inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 Inches	Volume: 1.37 bbl	Weight to Pull Loose: 110000.0 lb
		<u>Total Volume:</u>	<u>88.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 92000.00 lb
Depth to Top Packer:	6535.00 ft			Final 93000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			6514.00	
Hydraulic tool	5.00			6519.00	
Jars	5.00			6524.00	
Safety Joint	2.00			6526.00	
Packer	5.00			6531.00	26.00 Bottom Of Top Packer
Packer	4.00			6535.00	
Stubb	1.00			6536.00	
Perforations	1.00			6537.00	
Recorder	0.00	8678	Inside	6537.00	
Recorder	0.00	8677	Inside	6537.00	
Perforations	35.00			6572.00	
Bullnose	3.00			6575.00	40.00 Bottom Packers & Anchor
Total Tool Length:	66.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Midwestern Exploration Co.

10-35s-35w Stevens, KS

3500 S. BLVD STE25
Edmond, OK 73013

Mary #2-10

Job Ticket: 42312

DST#: 1

ATTN: Tom Williams

Test Start: 2011.11.20 @ 17:25:51

Mud and Cushion information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 9.47 in³
Resistivity: ohm.m
Salinity: 2200.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	GMCO 20%gas75%oil5%mud	1.395

Total Length: 280.00 ft Total Volume: 1.395 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

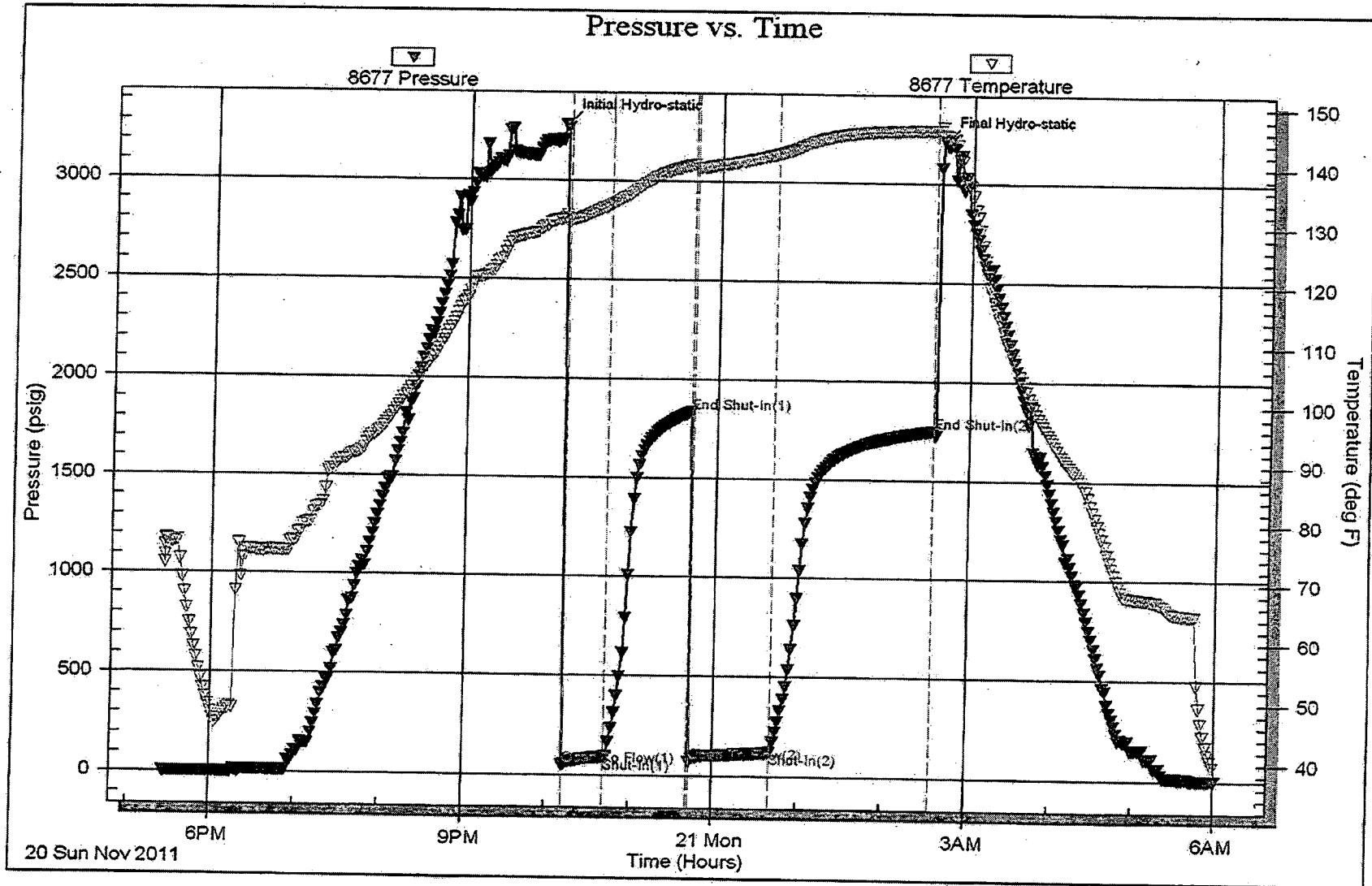
Recovery Comments:

Serial #: 8677

Inside Midwestern Exploration Co.

May #2-10

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 42312

Printed: 2011.11.23 @ 15:53:58

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

March 26, 2012

Dale J. Lollar, President
Midwestern Exploration Company
3500 S BOULEVARD STE 2B
EDMOND, OK 73013-5487

Re: ACO1
API 15-189-22776-00-00
Mary 'B' 2-10
NW/4 Sec.10-35S-35W
Stevens 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,
Dale J. Lollar, President

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
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Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 26, 2012

Dale J. Lollar, President
Midwestern Exploration Company
3500 S BOULEVARD STE 2B
EDMOND, OK 73013-5487

Re: ACO-1
API 15-189-22776-00-00
Mary 'B' 2-10
NW/4 Sec.10-35S-35W
Stevens County, Kansas

Dear Dale J. Lollar, President:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/14/2011 and the ACO-1 was received on March 26, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department