



KANSAS CORPORATION COMMISSION 1066599
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 # 5046
Name: Raymond Oil Company, Inc.
Address 1: PO BOX 48788
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 1822
Contact Person: Clarke Sandberg
Phone: (316) 267-4214
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kim Shoemaker
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
 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 #: D-31, 003
 ENHR Permit #: _____
 GSW Permit #: _____

<u>7/18/2011</u>	<u>7/28/2011</u>	<u>8/22/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-101-22297-00-00
Spot Description: _____
NE NW SE SE Sec. 21 Twp. 18 S. R. 27 East West
1112 Feet from North / South Line of Section
818 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Lane
Lease Name: Michaud Trust Well #: 4
Field Name: _____
Producing Formation: na
Elevation: Ground: 2689 Kelly Bushing: 2698
Total Depth: 5050 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 264 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1940 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: 3500 ppm Fluid volume: 1500 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: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 11/03/2011



1066599

Operator Name: Raymond Oil Company, Inc. Lease Name: Michaud Trust Well #: 4
 Sec. 21 Twp. 18 S. R. 27 East West County: Lane

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 checked="" type="checkbox"/> Yes <input 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: Attached	<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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>B/Anhy</td> <td>2084</td> <td>+614</td> </tr> <tr> <td>Lans</td> <td>3973</td> <td>-1275</td> </tr> <tr> <td>BKC</td> <td>4316</td> <td>-1618</td> </tr> <tr> <td>Mlss</td> <td>4608</td> <td>-1910</td> </tr> <tr> <td>Arbuckle</td> <td>4952</td> <td>-2259</td> </tr> </table>	Name	Top	Datum	B/Anhy	2084	+614	Lans	3973	-1275	BKC	4316	-1618	Mlss	4608	-1910	Arbuckle	4952	-2259
Name	Top	Datum																	
B/Anhy	2084	+614																	
Lans	3973	-1275																	
BKC	4316	-1618																	
Mlss	4608	-1910																	
Arbuckle	4952	-2259																	

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	12.25	8.58	24	264	Common	175	3%cc,2%gel
Production	7.78	5.50	15.5	4927	60/40 poz,6/40 lite	290	

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
		300 glas 28 % FE	

TUBING RECORD:	Size: <u>2.78</u>	Set At: <u>4882</u>	Packer At: <u>4882</u>	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio

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 checked="" 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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	Michaud Trust 4
Doc ID	1066599

All Electric Logs Run

Sonic
Micro
Dual Ind
Density/Neutron



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 28140
LOCATION Oakley
FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
7-28-11	7158	Michael Trust #4	21	18	27W	LANE	
CUSTOMER Raymond Oil Co.		DISTRICT E- Turkey Road 13: WI		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Josh G		
CITY		STATE		ZIP CODE			
					Damon M		

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 5046 CASING SIZE & WEIGHT 5 1/2 15.5
 CASING DEPTH 4927' DRILL PIPE _____ TUBING _____ OTHER DU @ 1940'
 SLURRY WEIGHT 12.5-14.2 SLURRY VOL 1.89-1.24 WATER gal/sk 10.8-5.6 CEMENT LEFT IN CASING 42.4
 DISPLACEMENT 70 mud DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: 46 water
safety meeting on Duke #2. Rig up and circulate
Pump 5 BBL water, mix 290sks 60/40 29ozal. Wash pump + lines
Drop plug and displace to latchdown with 70 BBL water + 47 BBL mud
hit press 900* land @ 1500* prop DU Bomb wait 15 min open
DU Tool @ 1200* circulate 45 min, Pump 5 BBL water, mix
20sks in MBH, 30sks in RBH, mix 400sks 60/40 89ozal 114*
Closeal down 5 1/2 csg. Wash pump + lines, Drop plug and
displace 46 1/4 BBL water hit press 700* Close tool + land
plug @ 1600* cement did circulate in cellat Thanks Fuzzy
(Set Packer shoe with 1200* PSI) + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2950 ⁰⁰	2950 ⁰⁰
5406	20	MILEAGE	5 ⁰⁰	100 ⁰⁰
5407A	31.8 ton	Tow mileage delivery	13 ⁸	1004 ⁸⁰
1131	290sks	60/40 pos	14 ³⁵	4161 ⁵⁰
1131	450sks	60/40 pos	14 ³⁵	6457 ⁵⁰
118B	3595*	Bentonite	24	862 ⁸⁰
1107	113*	Flo Seal	2 ⁶⁰	300 ⁵⁸
4253	1	5 1/2 Packer shoe	1760 ⁰⁰	1760 ⁰⁰
4283	1	DU Tool w/ latchdown - 5 1/2	3850 ⁰⁰	3850 ⁰⁰
4104	1	5 1/2 BASKET	276 ⁰⁰	276 ⁰⁰
4130	7	5 1/2 centralizers	58 ⁰⁰	406 ⁰⁰
		22129 ¹⁸	sub total	22129 ¹⁸
			less 150 ⁰⁰ disc	3319 ³⁸
				18809 ⁸
			639 ⁰⁰	SALES TAX
				ESTIMATED TOTAL
				19777 ⁶⁹

Revin 3737 AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

512-584-5709 MEMPHIS, TN

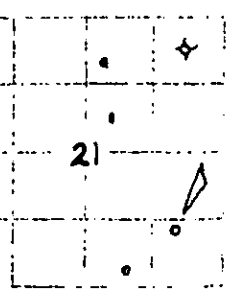
GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>RAYMOND OIL COMPANY, INC.</u>	JOB NO. <u>2698</u>
WELL NO. <u># 4 MICHAUD TRUST</u>	DEPTH <u>2698</u>
LOCATION <u>ALAMOTA WEST</u>	DATE <u>2690</u>
DEPTH <u>1125' FSL & 835' FEL</u>	MEASUREMENT <u>2698 KB</u>
DATE <u>21 18s 27w</u>	LOG NO. <u>2698</u>
LANE <u>KANSAS</u>	DRILLER <u>DUKE DRILLING CO. RIG 2</u>
DATE <u>7-18-11</u>	LOG NO. <u>8.5/8" @ 269'</u>
DATE <u>7-28-11</u>	LOG NO. <u>5 1/2" @</u>
DEPTH <u>5045</u>	LOG NO. <u>1826</u>
DEPTH <u>3550</u>	LOG NO. <u>1826</u>
TYPE FLUID <u>CHEMICAL</u>	LOG NO. <u>1826</u>

SAMPLES SAVED FROM	<u>3700</u>	TO	<u>5045</u>
DRILLING TIME KEPT FROM	<u>3900</u>	TO	<u>5045</u>
SAMPLES EXAMINED FROM	<u>3700</u>	TO	<u>5045</u>
GEOLOGICAL SUPERVISION FROM	<u>3900</u>	TO	<u>5045</u>
GEOLOGIST ON WELL	<u>KIM B. SHOEMAKER</u>		

FORMATION TOPS	LOG	SAMPLES	
<u>ANHYDRITE</u>	<u>2055+643</u>	<u>2058+640</u>	
<u>B/ANN.</u>	<u>2084+614</u>	<u>2087+611</u>	
<u>WAB. STOTLER</u>	<u>3511-816</u>	<u>3515-817</u>	
<u>HEEBNER</u>	<u>3937-1239</u>	<u>3940-1242</u>	
<u>LANSING</u>	<u>3974-1276</u>	<u>3977-1279</u>	
<u>STARK</u>	<u>4240-1542</u>	<u>4241-1543</u>	
<u>MARMATON</u>	<u>4347-1644</u>	<u>4347-1649</u>	
<u>FORT SCOTT</u>	<u>4492-1794</u>	<u>4492-1794</u>	
<u>CHEROKEE</u>	<u>4516-1818</u>	<u>4516-1818</u>	
<u>MISSISSIPPI</u>	<u>4608-1910</u>	<u>4609-1911</u>	



REMARKS

7-18-11 SPUD
 7-19 @ 510'
 7-20 @ 2415'
 7-21 @ 3210'
 7-22 @ 3740'
 7-23 @ 4130'
 7-24 @ 4355'
 7-25 @ 4531'
 7-26 @ 4610'
 7-27 @ 4826'
 7-28 @ 5015'

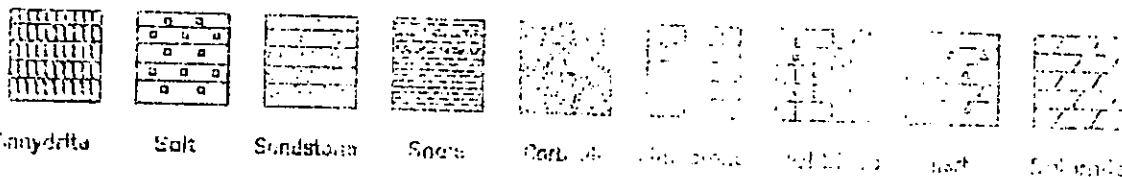
* Well was logged @ 4826

API: 15-101-22297

Additional Tops (Sample)

Miss. Sa. 4639-1911
 Miss. Osage 4716-2018
 Viola 4888-2190
 Arb. 4952-2254
 R.T.D. 5015-2347

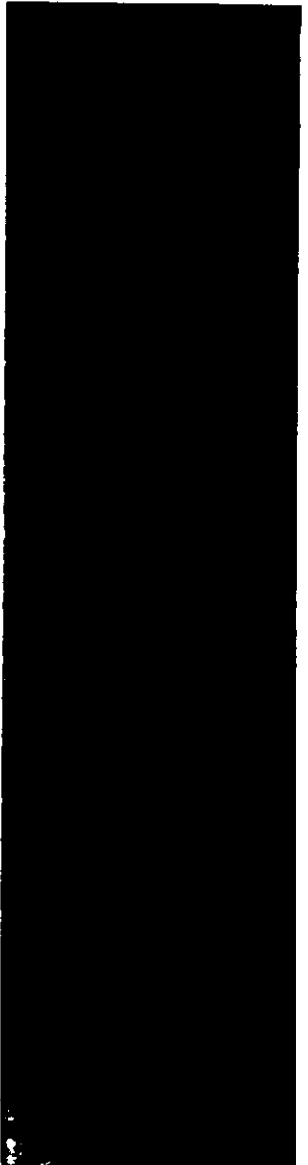
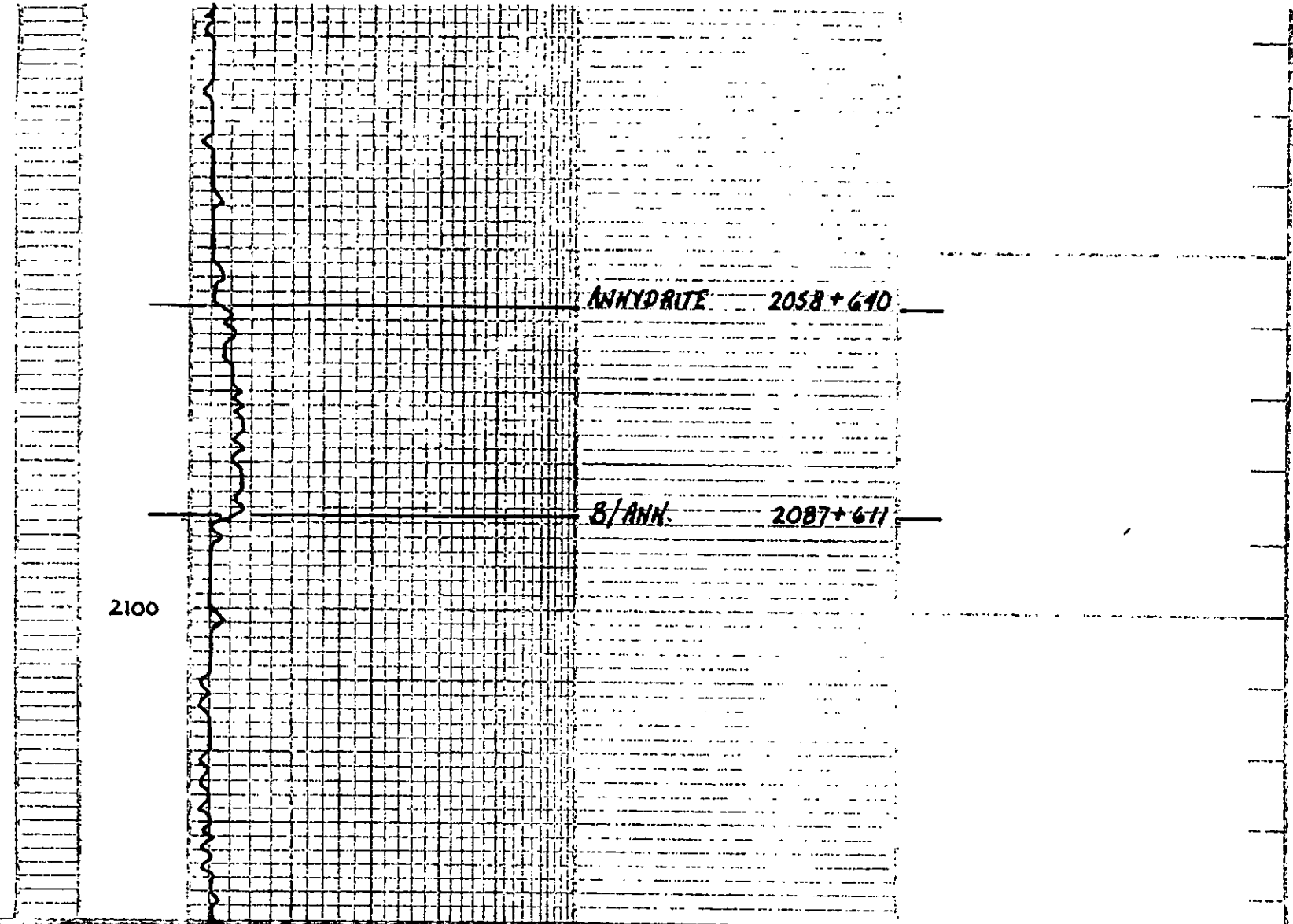
LEGEND

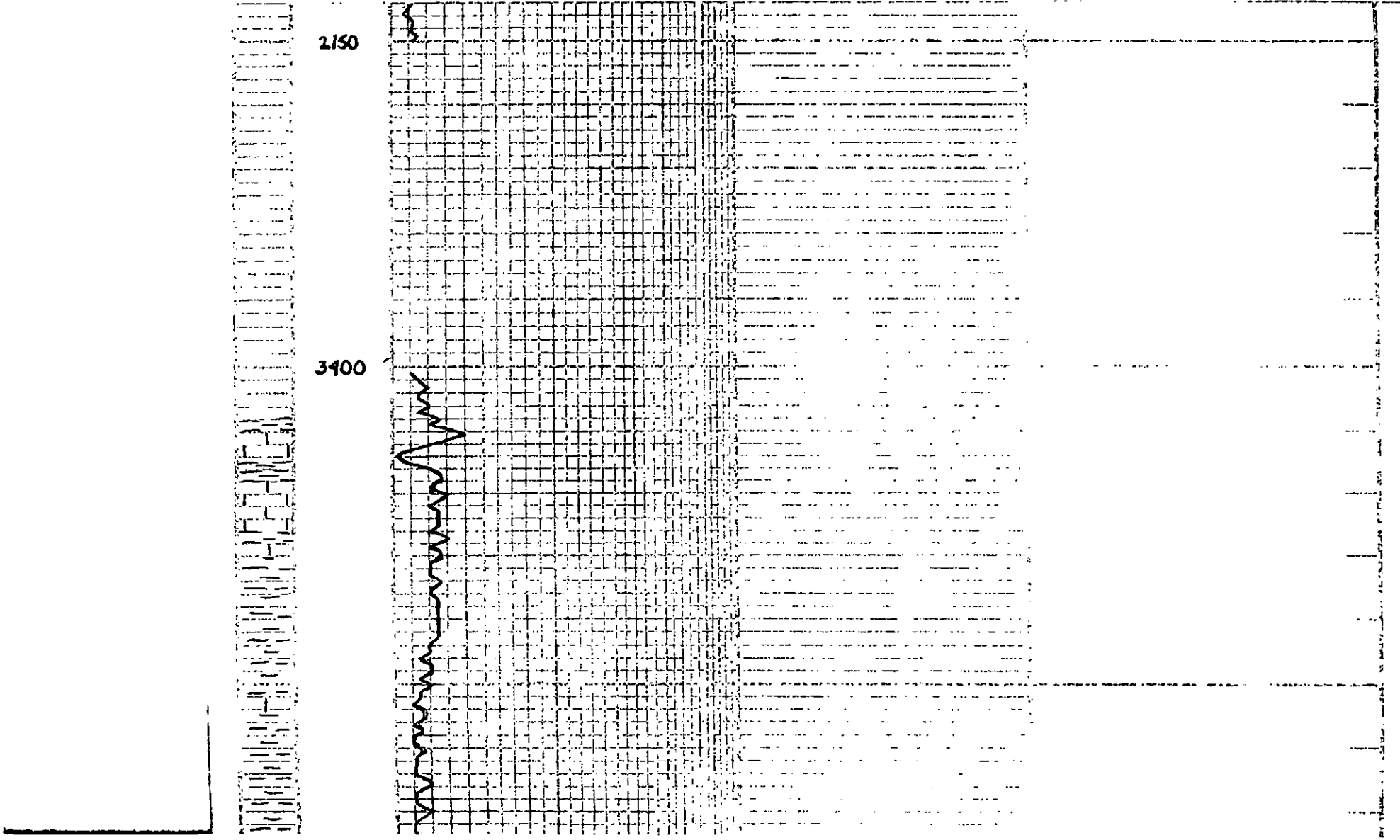


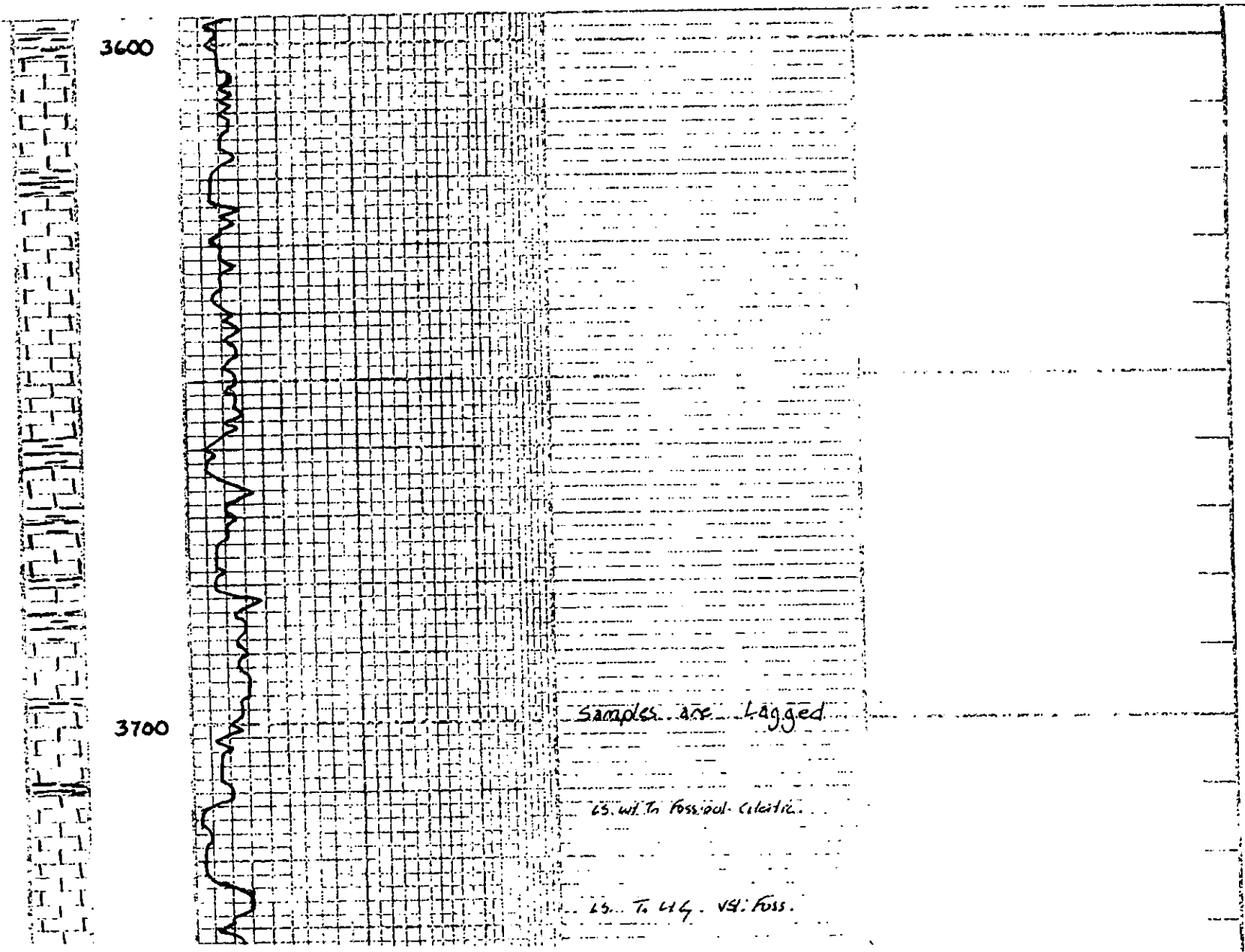
SHEET 05

LITHOLOGY

DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration increases					SAMPLE DESCRIPTIONS	REMARKS
	5'	10'	15'	20'	25'		
2000							







3600

3700

Samples are logged

65. wt. to fossiliferous - calcareous

25. to 44. vs. Foss.

15. wt. To foss. red. calcitic.

15. To 44. 19. Foss.

3h. Diverge

15. wt. St. Foss. V St. Chilly.

VIS: 86

WLT: 89

WID: 88

WAL: 23.00

15. To 44. 19. Foss.

15. To 44. 19. Foss.

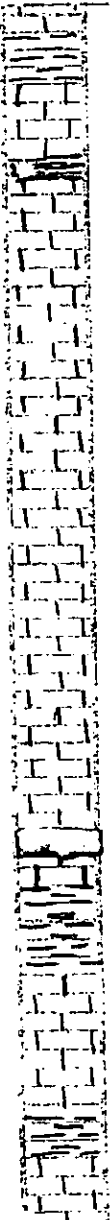
3h. Diverge

3h. Diverge

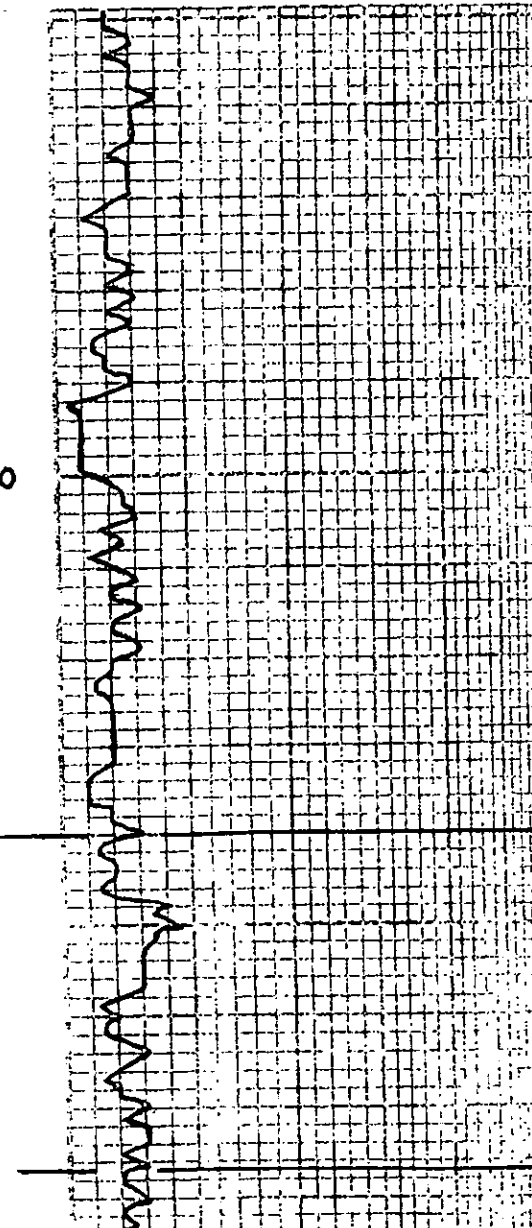
15. wt. St. Foss. Chilly.

15. wt. St. Foss. Chilly.

3800



3900



56. G.L.

55. G.L. 18: Foss.

54. G.L.

53. G.L. 50: Foss. Calotte.

52. G.L. 70: G.L. - 50: Foss. V.S.L. Chly.

51. G.L. 30: Foss. Chly.

50. G.L. V.S.L. Foss. 30: Chly.

HEBNER 3940-1242

56. BLK. G.L. (3160)
55. G.L. 40: V.S.L. Foss.

54. G.L.

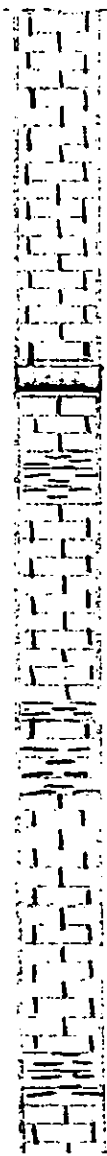
53. G.L. 50: Foss. Calotte.

52. G.L. V.S.L. Foss. Chly.

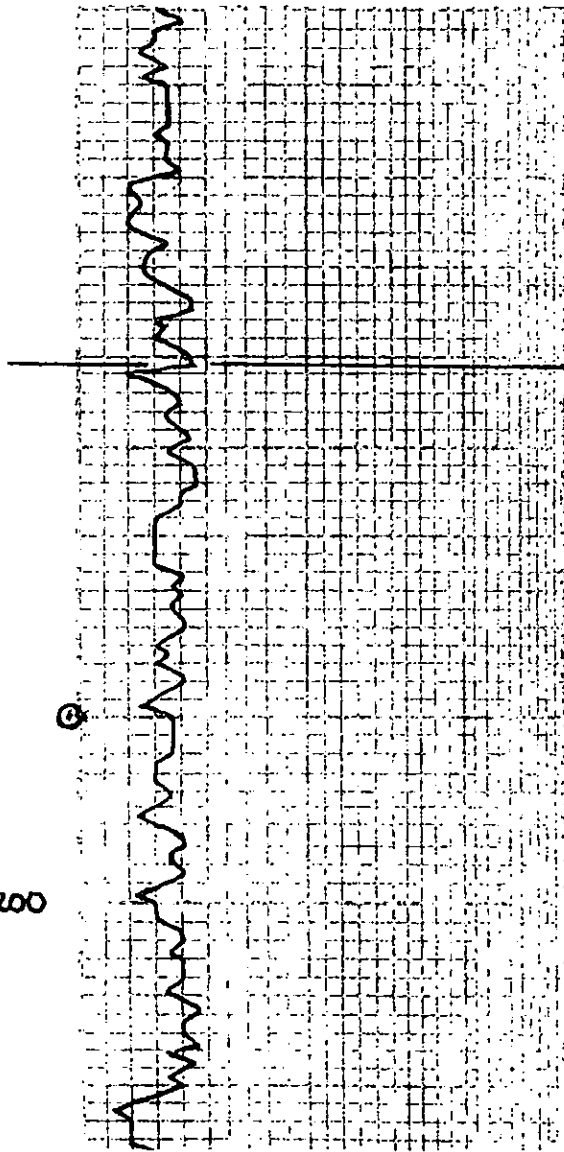
51. G.L. 40: G.L.

LANSING 3977-1279

50. G.L. 40: Foss.



4200



ls. wt. chly.

ls. G. Dr.

ls. wt. chly. vsi. Foss.

ls. G. Dr.

MUNCIE CREEK 4141-1443
Sh. Blk. Carb. (4126)

ls. Bl. vsi. Foss.

sh. G.

ls. wt. chly.

ls. wt. chly. vsi. Foss.

ls. G. vsi. A.

sh. chly. vsi. Foss.

sh. G.

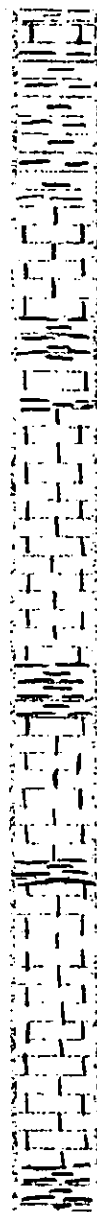
ls. G. vsi. A.

ls. Tan. vsi. Foss. vsi. chly.

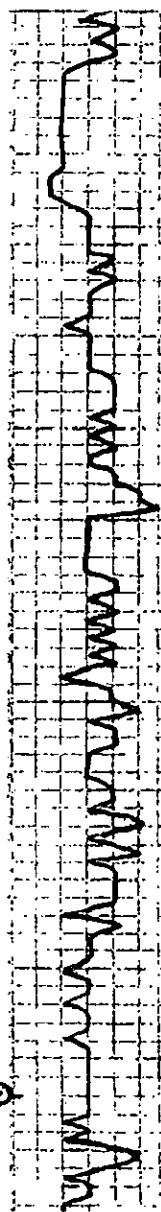
ls. Bl. vsi. Foss.

sh. G. soft.

ls. G. vsi. Foss. vsi. A. vsi. chly.



4400



DST
(2)

VIS 97
WT 9.9
WT 10.0
CMT 3000

Sh. G. L.

Sh. L. G. G. Bloo G.

Ls. wt. L. G. Yellow Sh. Foss. Shi. Δ

Sh. Bl. Rd.

Ls. Tr. Yellow. Shi. Δ

Ls. L. G. Dan.

Ls. wt. L. G. V. Shi. Foss. Shi. Δ

Sh. Bl. DK Rd.

Ls. Tr. wt. V. Shi. Foss. Shi. Δ

Ls. L. G. Dan.

Sh. DK G.

Ls. Tr. wt. V. Shi. Foss. Shi. Δ
P. V. G. B. L. Bl. Sp. Shi. V. Shi. Foss. Shi. Δ
V. Shi. Foss. Shi. Δ
(4470)

Ls. wt. Shi. Foss. Shi. Ch. G.

Sh.

Ls. G. V. Shi. Foss. Shi. Δ

Sh. DK G. Silty

DST (2) 4490-4525

1st Run: Blow died 25 min.
2nd Run: No Blow

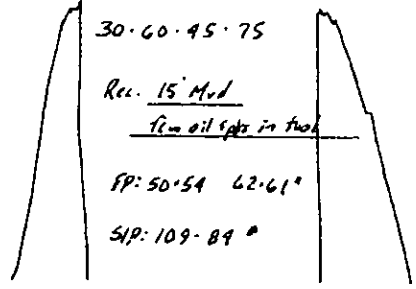
30.60.45.75

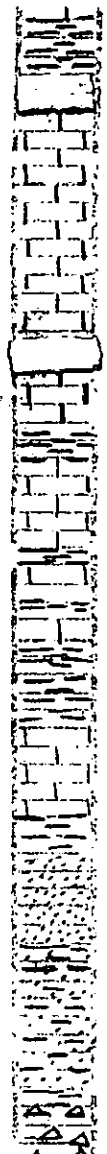
Rec. 15 Mud

from oil spots in mud

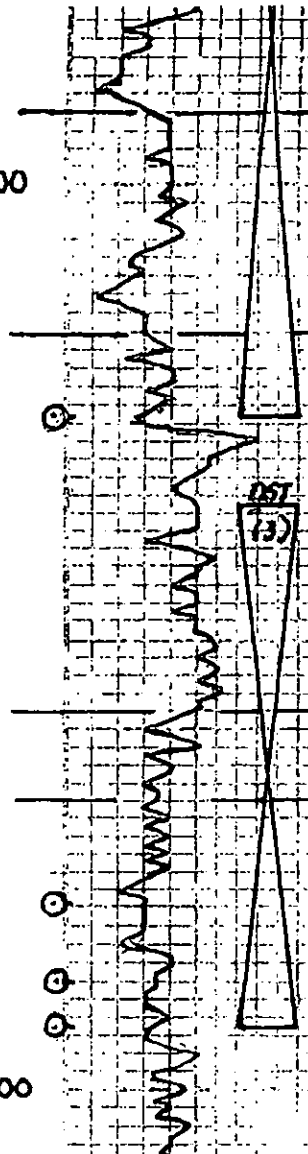
FP: 50.54 62.61°

SIP: 109.89°





4500



Sh. DK. G. Silty

Sh. Blk. (1) b.
FORT SCOTT 4492-1799

Sh. Blk. & Br. ool. Caliche. B. V. p.
T. L. Br. Sh. T. Fr. Dull. Flow
A. Br. G. ool. (95%) No odor
Ls. Tan w/ V. Si. Foss. Sil. L.

Ls. Tan. Br. G. Sp. ool. Caliche. P. V. p.
DK. Br. Sh. V. S. P. No. Flow No odor
CHEROKEE 4516-1818 (95%)

Sh. Blk. (1) b.
Ls. L. G. V. Si. Foss. w/ Blk. ool. Sh. No. V. p. of
No odor. (95%)

Ls. Br. G. Dm. V. Si. Foss.
Sh. DK. G. L.
Ls. Tan. G. Dm.

Wt. 97. WT. 29
Wt. 94. Lm. 2700

Ls. L. G. Dm.
Sh. G. L. G.
Sh. **8/PENNY**

DST (3) 4535-4593
1560' Surface blow
2nd OPEN: Very weak surf. blow

8/PENNY LOG

4568-1870

Sh. Blk. G.
Sh. DK. G. L. H. L. G. Sub. Any. Dm. P. L. G. p.
Ls. Br. G. Sub. Sh. V. S. P. No. Flow
No odor

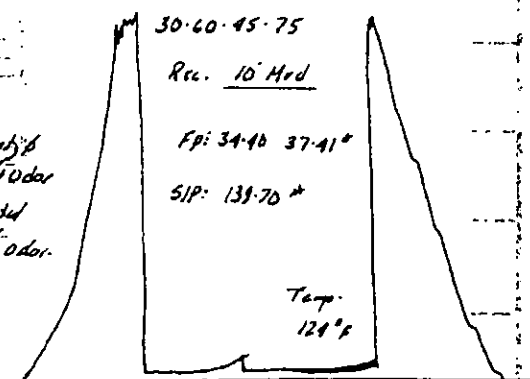
Sh. L. G. E. M. T. L. G. Sub. M. P. ool. S. L. G. p.
No. S. Sh. V. S. P. No. Flow
No odor

Sh. G. L. G. DK. G. L.
Sh. V. E. L. G. S. L. G.
Sh. Cl. w/ Fr. H. G. Sub. R. L.

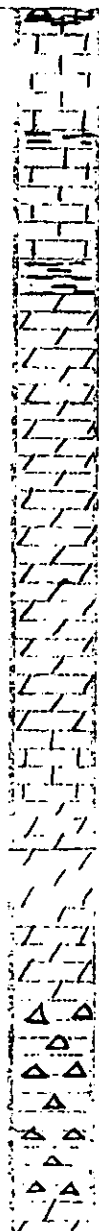
A. Cl. w/ Fr. Si. Foss.

SIP: 109-89°

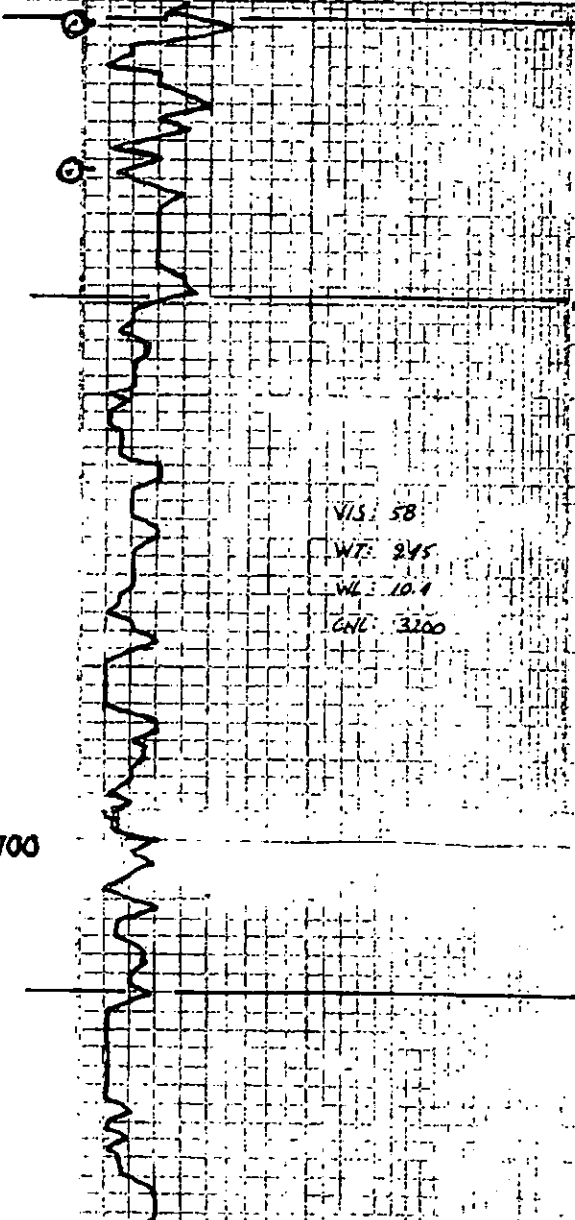
Temp
126° F



4600



4700



VIS: 58
 WT: 245
 VL: 10.4
 GNL: 3200

MISSISSIPPI 4609-1911

ES wt. To out. V. Chly.
 ES. wt. V. Chly.
 ES. wt. out. V. Chly.

ES To wt. out. So Chly.
 SA 48 Blue.

MISS. SPERGEN 4639-1991

Dol. To. V. Fresh. V. Fresh. Suc.

Dol. To. V. Fresh. Suc.

Dol. To. V. Fresh. V. Fresh. Suc.

Dol. To. V. Fresh. Sh. Foss. Suc.

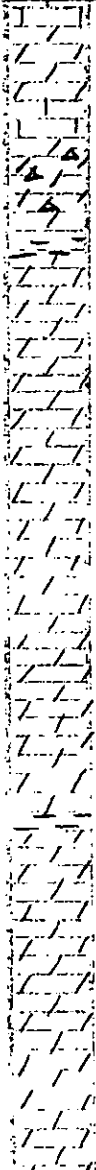
Dol. To. V. Fresh. Sh. Foss. D. G. L. Int.

MISS. OSAGE 4716-2018

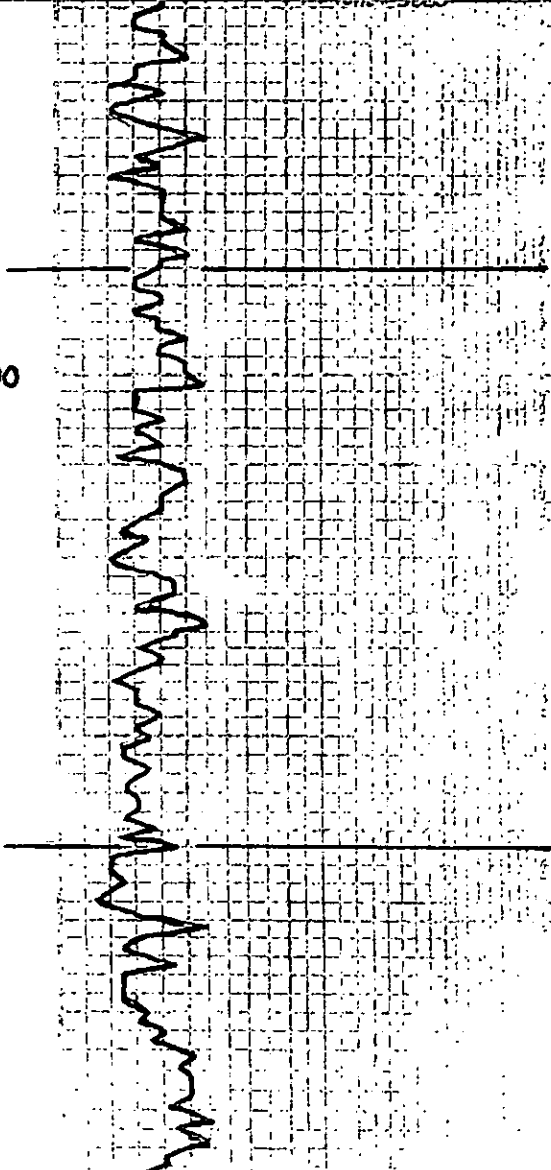
A. wt. V. Fresh. Ld. V. Fresh. Suc.

T. & wt. Tripl.

T. Dol. To. V. Fresh. V. Fresh. Suc.



4900



Dol. To 1/2 Bly. Fxln

Ay.

VIOLA 4888-2190

Dol. Gy. Fxln Dm.

Dol. Gy. Fxln

Dol. Gy. Fxln. S. Fxln. S. 2/4.

15. wt. Vchly.

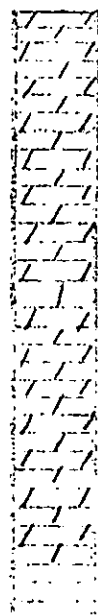
Dol. D. Gy. Dm.

ARBUCKLE 4952-2259

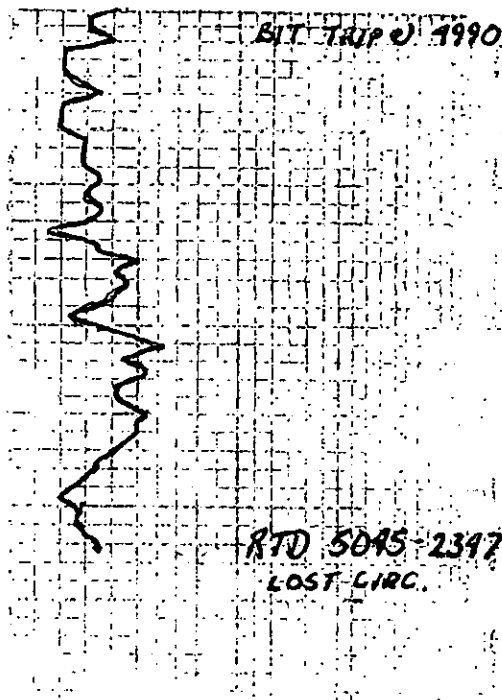
Dol. To V Fxln. S. 2/4.

Dol. To V Fxln. S. 2/4.

Dol. To V Fxln. S. 2/4.



5000



BIT TRIP 1990

2.1.1

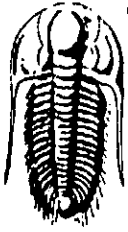
Dol. To 44y. Fr xh Suc.

Dol. To Md.Xh 'Rhombic' Cd Xh p

Dol. To Fr-Md Xh

Dol. To LIB Md-Loxh xh Cd p

RTD 5045-2397
LOST CIRC.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

Michaud Trust #4

Box 48788
Wichita, KS 67202-1822

21 18s 27w Lane KS

Job Ticket: 43228 DST#: 1

ATTN: Clarke Sandberg

Test Start: 2011.07.23 @ 17:17:46

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

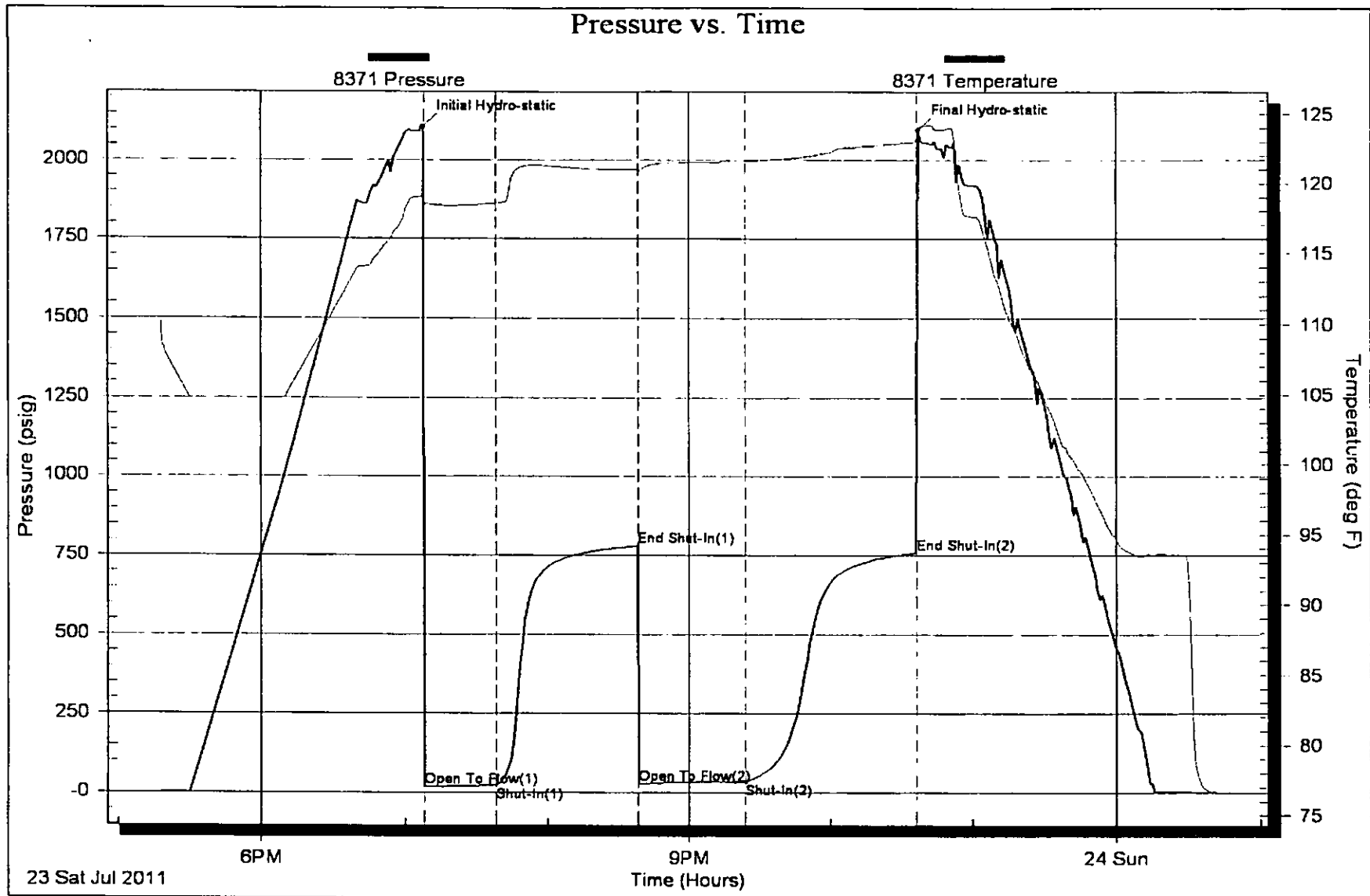
Length ft	Description	Volume bbl
35.00	oil specked mud 3%O 97&M	0.491

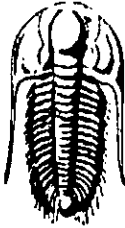
Total Length: 35.00 ft Total Volume: 0.491 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Co Inc
Box 48788
Wichita, KS 67202-1822
ATTN: Clarke Sandberg

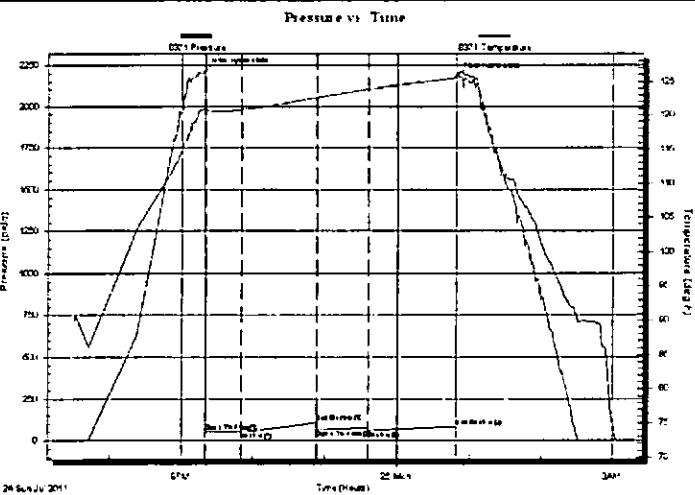
Michaud Trust #4
21 18s 27w Lane KS
Job Ticket: 43229 **DST#: 2**
Test Start: 2011.07.24 @ 19:30:23

GENERAL INFORMATION:

Formation: **Ft Scott**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 21:19:38
Time Test Ended: 03:02:38
Interval: **4440.00 ft (KB) To 4525.00 ft (KB) (TVD)**
Total Depth: **4525.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Paul Simpson**
Unit No: **28**
Reference Elevations: **2698.00 ft (KB)**
2690.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8371 **Outside**
Press@RunDepth: **60.23 psig @ 4506.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.07.24** End Date: **2011.07.25** Last Calib.: **2011.07.25**
Start Time: **19:30:24** End Time: **03:02:38** Time On Btm: **2011.07.24 @ 21:19:08**
Time Off Btm: **2011.07.25 @ 00:48:53**

TEST COMMENT: IF Weak blow died in 25 minutes
FF- no blow
plugging action during final flow



PRESSURE SUMMARY

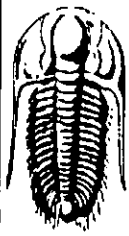
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.84	120.98	Initial Hydro-static
1	50.32	120.56	Open To Flow (1)
32	54.41	120.81	Shut-In(1)
95	108.53	122.61	End Shut-In(1)
95	62.55	122.62	Open To Flow (2)
138	60.23	123.84	Shut-In(2)
210	84.23	125.60	End Shut-In(2)
210	2179.73	126.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil specks in tool	0.21

Gas Rates

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



**TRILLOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc
Box 48788
Wichita,KS 67202-1822
ATTN: Clarke Sandberg

Michaud Trust #4
21 18s 27w Lane KS
Job Ticket: 43229 DST#: 2
Test Start: 2011.07.24 @ 19:30:23

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud with oil specks in tool	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

