



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: _____



1062087

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
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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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CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 28151

LOCATION Oakley

FOREMAN Fuzzy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-14-11	7158	Rio del Trust #1	28	185	27w	Lane
CUSTOMER Raymond Oil Co.			KS			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Josh G		
STATE			439	Cody R		
ZIP CODE						

JOB TYPE AWP HOLE SIZE 7 7/8 HOLE DEPTH 4750' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2 SLURRY VOL 1.40 WATER gal/sk 6.7 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Duke #2. Rig up and plug as ordered
50 sks @ 2000'
80 sks @ 1300'
40 sks @ 650'
50 sks @ 300'
20 sks @ 60'
30 sks RH
20 sks MH
 THANKS Fuzzy crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1250. ⁰⁰	1250. ⁰⁰
5406	25	MILEAGE	5. ⁰⁰	125. ⁰⁰
5407A	12.47	Tow mileage Delivery	1.58	492. ⁵⁶
1131	290	60/40 pos	14.35	4161. ⁵⁰
1118B	998 #	Bentonite	.24	239. ⁵²
1107	73 #	fl. seal	2.60	194. ¹⁸
4432	1	8 5/8 plus	96. ⁰⁰	96. ⁰⁰
		Subtotal		6558. ⁷⁶
		less 15% disc		983. ⁸¹
				5574. ⁹⁵
		243506		
		6.370	SALES TAX	256.21
			ESTIMATED	1.781
			TOTAL	5826.16
			DATE	

Ravin 3737

AUTHORIZATION John J. [Signature] 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

316-684-9709 • WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>RAYMOND OIL COMPANY, INC.</u>	ELEVATIONS	
LEASE <u># 1 RIEBEL TRUST UNIT</u>	KB <u>2620</u>	
FIELD <u>ALAMOTA TOWNSITE</u>	DE _____	
LOCATION <u>2662' FNL $\frac{1}{4}$ 94' EL</u>	OL <u>2615</u>	
TWP <u>28</u> TNSP <u>18 S</u> RGE <u>27 W</u>	Measurements Are All From <u>2620 KB</u>	
COUNTY <u>LANE</u> STATE <u>KANSAS</u>	CASING <u>8.5/8" @ 264</u>	
OPERATOR <u>DUKE DRILLING CO. RIG 2</u>	DATE OF LOG _____	
DATE <u>8-2-11</u> CORE <u>8-11-11</u>	ELECTRICAL SURVEYS <u>DUAL IND., DENS.-N.</u>	
API # <u>4650</u> TO <u>4652</u>		
MUD WT <u>3450</u> TYPE <u>SAND</u> CHEMICAL _____		
SAMPLES SAVED FROM _____	KB <u>4650</u>	
DRILLING TIME LEFT FROM _____	DE <u>4650</u>	
SAMPLES LEFT FROM _____	OL <u>4650</u>	
GEOLOGICAL OBSERVATION FROM _____	_____ <u>4650</u>	
GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>		
FORMATION TOPS	LOG	SAMPLES
<u>ANHYDRITE</u>	<u>1964+656</u>	<u>1964+656</u>
<u>B/ANH.</u>	<u>1993+627</u>	<u>1993+627</u>
<u>WAB STOTLER</u>	<u>3436-816</u>	<u>3435-815</u>
<u>HEEBNER</u>	<u>3858-1238</u>	<u>3861-1241</u>
<u>LANSING</u>	<u>3896-1276</u>	<u>3897-1277</u>
<u>STARK</u>	<u>4155-1535</u>	<u>4155-1535</u>
<u>MARMATON</u>	<u>4261-1641</u>	<u>4254-1634</u>
<u>FORT SCOTT</u>	<u>4411-1791</u>	<u>4410-1790</u>
<u>CHEROKEE</u>	<u>4435-1815</u>	<u>4433-1813</u>
<u>MISSISSIPPI</u>	<u>4538-1918</u>	<u>4535-1915</u>

+
28

REMARKS

API: 15-101-22298

LEGEND

	Sand
	Silt
	Clay
	Shell
	Unconsolidated
	Consolidated
	Gravel
	Organic
	Hard
	Soft
	Very Soft
	Liquid
	Plastic
	Shrinkage
	Swell
	Water Content
	Liquid Limit
	Plastic Limit
	Shrinkage Limit
	Unsat. Water Content
	Degree of Saturation
	Specific Gravity
	Porosity
	Permeability
	Compressibility
	Consolidation
	Swell Potential
	Preconsolidation Pressure
	Compression Index
	Recompression Index
	Vertical Strain
	Horizontal Strain
	Vertical Stress
	Horizontal Stress
	Pore Water Pressure
	Excess Pore Water Pressure
	Degree of Consolidation
	Time Factor
	Coefficient of Consolidation
	Coefficient of Permeability
	Coefficient of Volume Change
	Coefficient of Compressibility
	Coefficient of Swell
	Coefficient of Expansion
	Coefficient of Contraction
	Coefficient of Restraint
	Coefficient of Friction
	Coefficient of Adhesion
	Coefficient of Tension
	Coefficient of Compression
	Coefficient of Expansion (Thermal)
	Coefficient of Contraction (Thermal)
	Coefficient of Swell (Thermal)
	Coefficient of Expansion (Moisture)
	Coefficient of Contraction (Moisture)
	Coefficient of Swell (Moisture)
	Coefficient of Expansion (Chemical)
	Coefficient of Contraction (Chemical)
	Coefficient of Swell (Chemical)
	Coefficient of Expansion (Mechanical)
	Coefficient of Contraction (Mechanical)
	Coefficient of Swell (Mechanical)

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration (RPM)

10" 15" 20" 25"

SAMPLE DESCRIPTIONS

1900

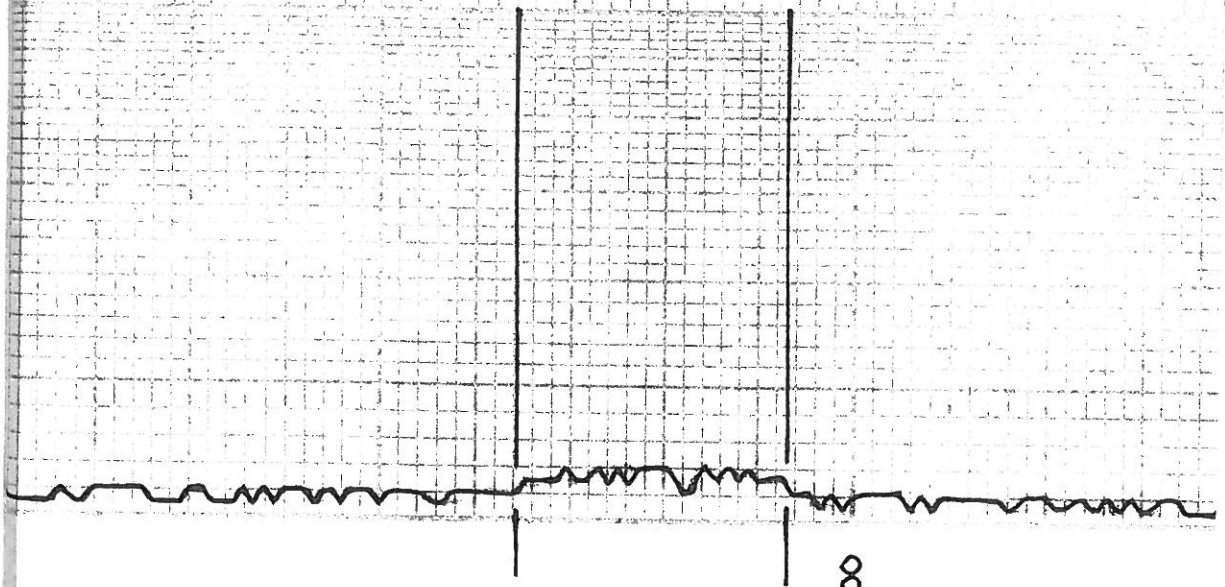
1900

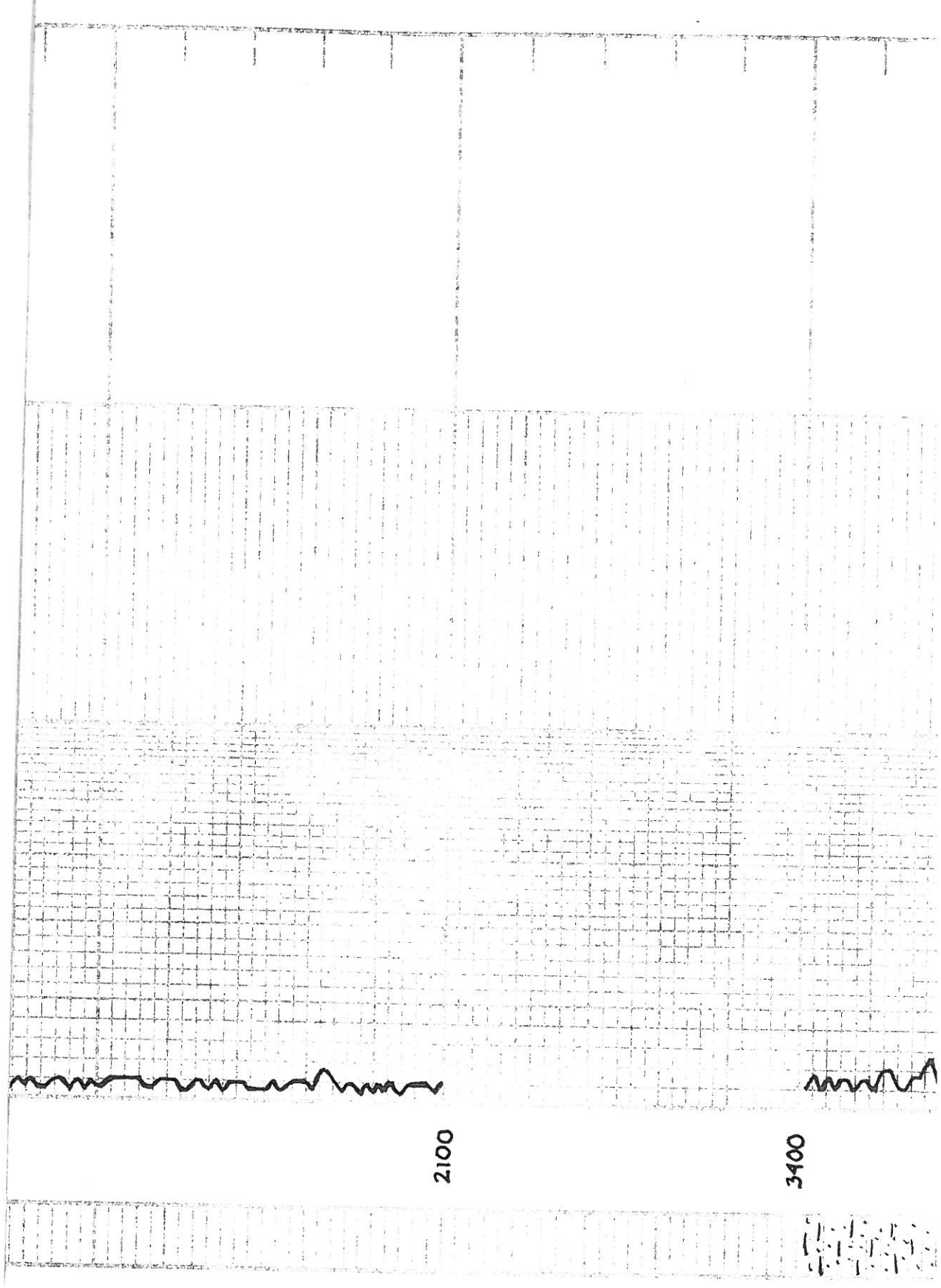


ANHYDRITE 1969 + 656

8/ ANH. 1993 + 627

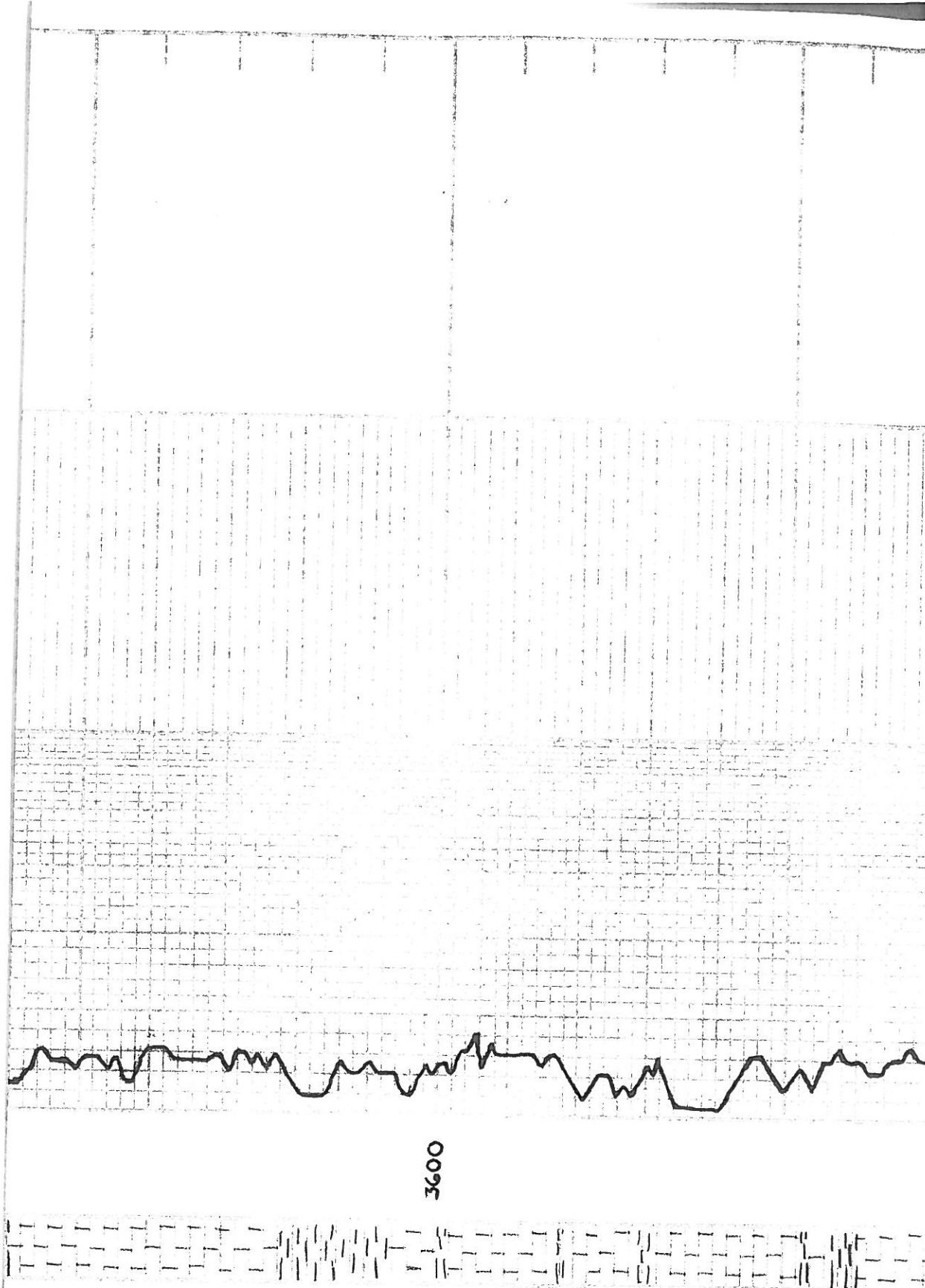
2000





2100

3400



3600

3700



Samples are lagged.

15. T. w/ br. St. Foss.

15. T. St. Foss w/ Dr. G. Foss.

5h. Gr. G. silty.

15. T. L. G. V. St. Foss.

15. T. w/ cool. Foss. calcite.

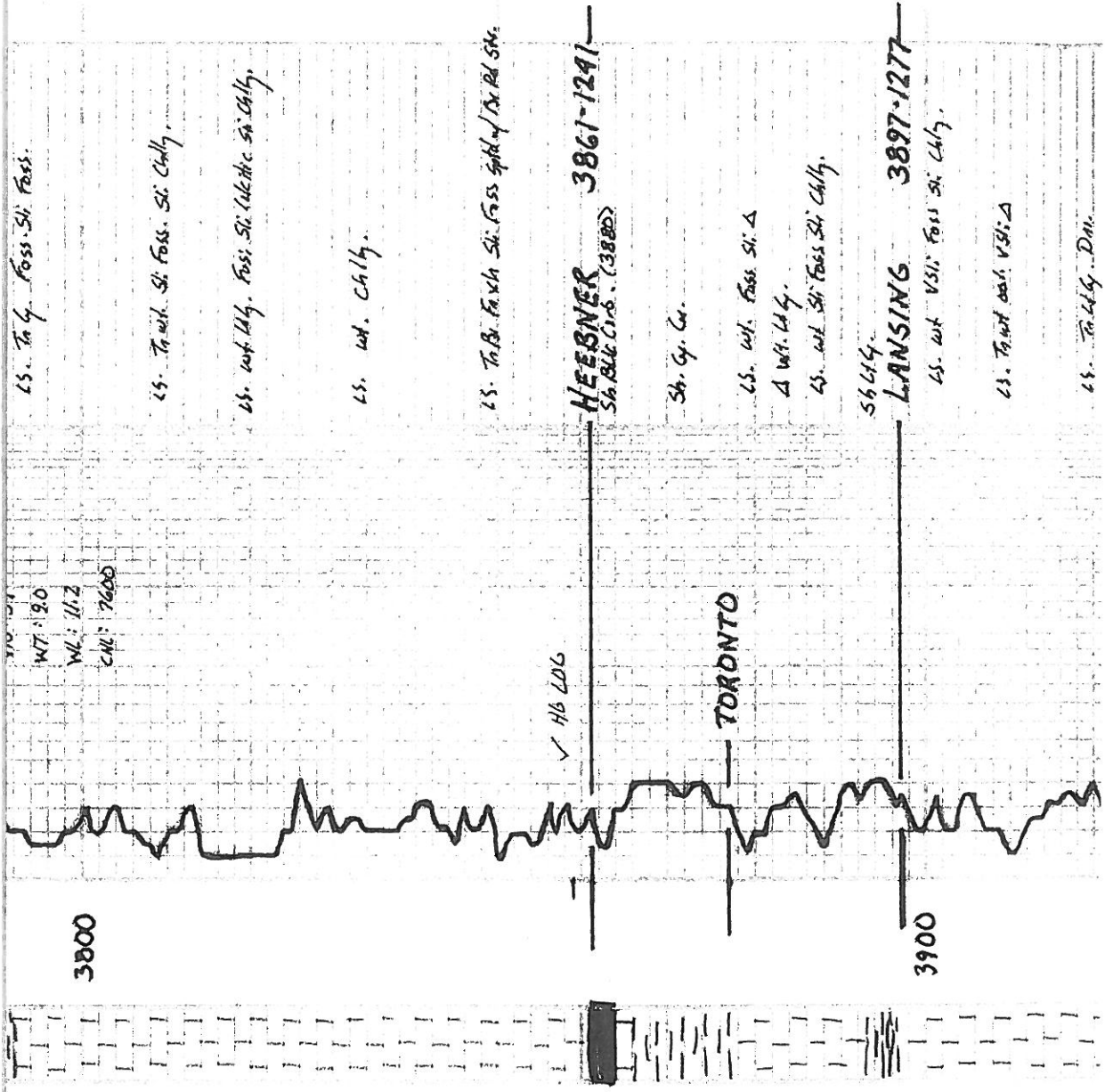
15. w/ cool. Foss. sil. cherty.

5h. L. G. G.

5h. BLK.

V. 15. 21

WT: 120
WL: 112
CML: 7600



LS. To G. Foss. Si. Chilly.

LS. To mt. Si. Foss. Si. Chilly.

LS. mt. Chilly. Foss. Si. Electric Si. Chilly.

LS. mt. Chilly.

LS. To B. Foss. Si. Foss. Si. Chilly. To B. Si.

HEESNER
3861-1291
Sh. G. Co.

Sh. G. Co.

LS. mt. Foss. Si. Δ

Δ mt. Chilly.

LS. mt. Si. Foss. Si. Chilly.

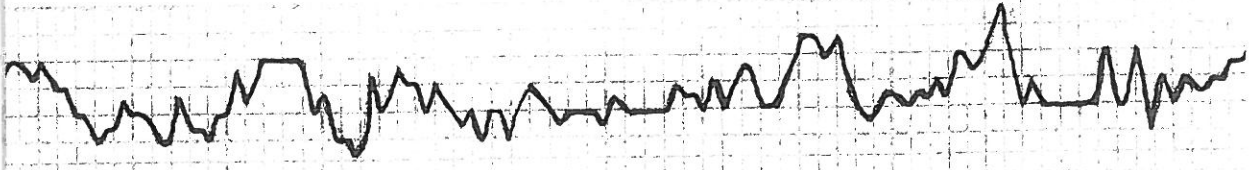
5644
LANSING 3897-1277

LS. mt. VSI. Foss. Si. Chilly.

LS. To mt. mt. VSI. Δ

LS. To Chilly. D.H.

4000



LS. Tm 4/4. Dm.

5b 4.

54. B/L/L.

LS. Tm 3/4 Foss. S/D
Δ wt B.

LS. Tm 4. Dm.

Δ wt.

LS. wt. 4/4. ad. VSI' dly.

LS. Tm VSI' Foss S/D

LS. 4/4. Dm.

Δ wt.

LS. Tm 3/4 Foss. S/D dly.

LS. Tm 4/4. S/D ad. VSI' doc. S/D dly.

LS. 4. Dm.

LS. Tm wt. 4/4. Foss S/D dly.

MUNCIE CREEK #05B-1438

LS. L.R. V.Si. Foss.

Sh. Gr.
 Δ with L.H.

LS. T.H. Du. V.Si. Foss.

Sh. Ale. G.

LS. L.R. Foss. V.Si. Foss.

Sh. L.H. Gr.

LS. T.H. V.Si. Chalky

LS. L.R. V.Si. Foss. Si. Chalky

Sh. L.H. Gr. Soft

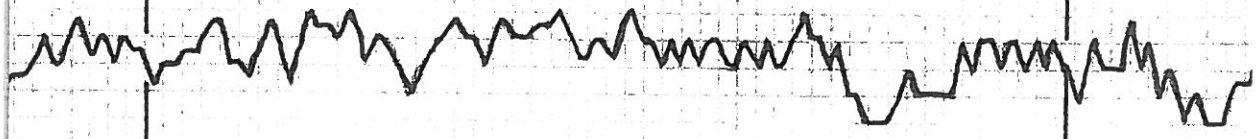
LS. T.H. Gr. V.Si. Chalky

LS. L.R. R. Dior.

STARK #155-1535

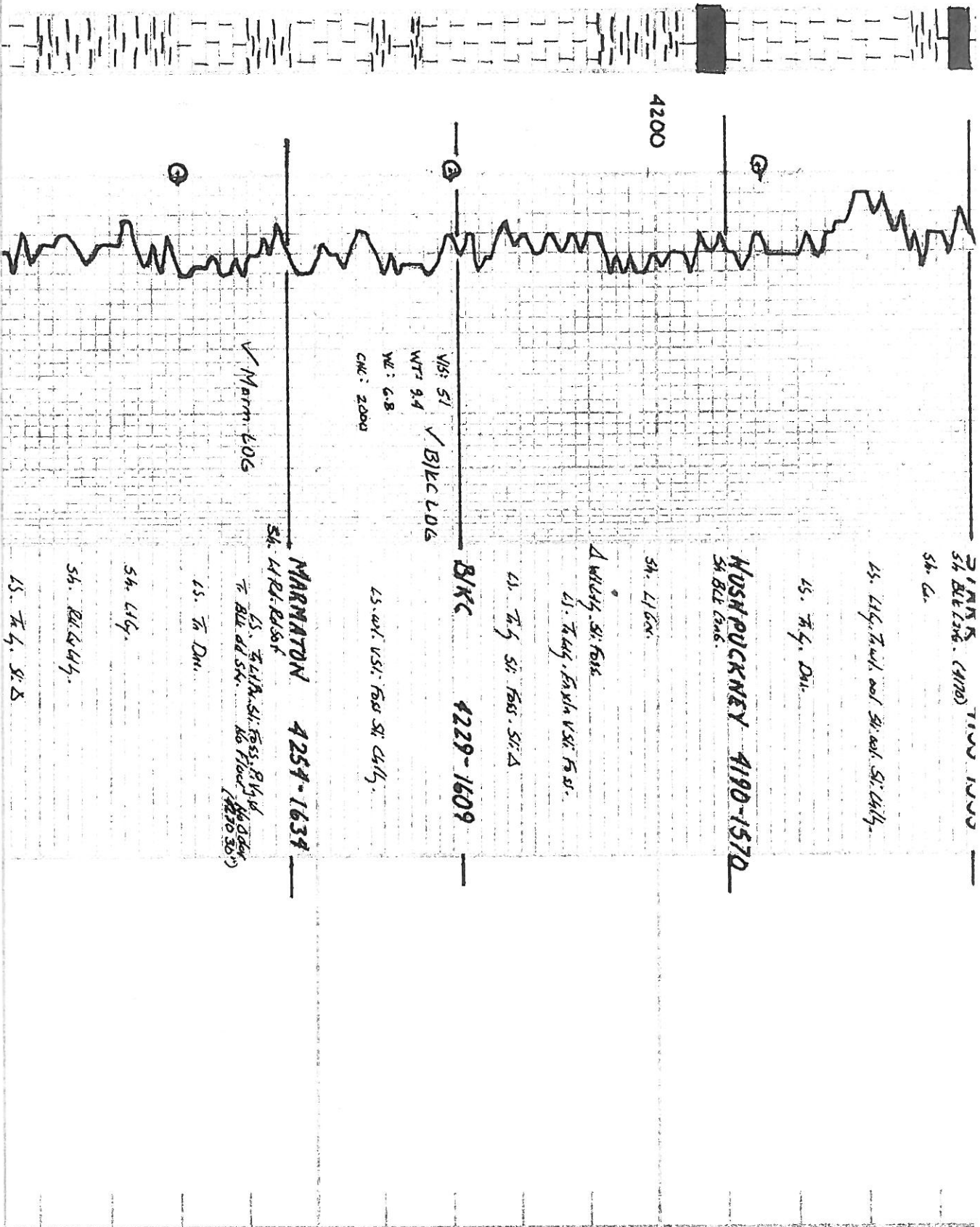
Sh. Gr.

LS. L.H. T.H. and Sh. V.Si. Chalky



4100





2' N.N.S.
 5' BLE L06. (4170)
 1000 1000

5' L. 1.
 15. L1q. T. w/1. pool. 5' w/1. 5' L1q.

15. T. 4. DM.

HUSHPOCKNEY 4190-1570
 5' BLE L06.

5' L. 1.

Δ w/1q. 5' Foss.

15. T. 4q. Foss. V. 5' F. 5'.

15. T. 4. 5' Foss. 5' Δ

BKC 4229-1609

15. w/1. V. 5' Foss. 5' L1q.

VISI: 5'
 WTP: 3.4
 VE: 6.8
 CMC: 2000

✓ Marm L06

MARMATON 4254-1634
 5' L. 1. R. 2. 5' Δ

15. T. 4. 1/2 N. 5' Foss. R. 1/2 w/1
 T. BLE dd 5' w/1. KO Place (4200 50')

15. T. DM.

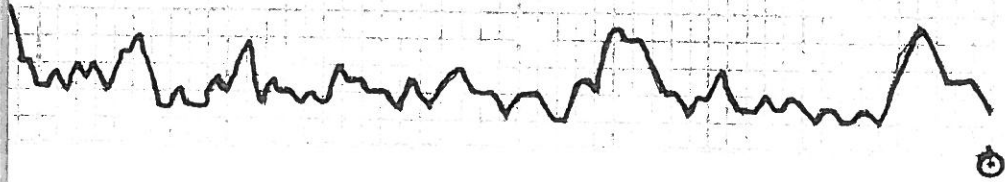
5' L1q.

5' R. 1. 4. 4.

15. T. 4. 5' Δ



4600



RTD 4650-2030

Dol. Ltg. To V. F. xla Ssi Foss.

Dol. Br. V. F. xla w/ Dkg. Rod.

Dol. To V. F. xla Suc.

Dol. To F. xla Ssi Foss.

Ls. Br. Ltg. Ssi Foss. Dur.

Dol. w/ Ltg. V. F. xla

Dol. Ltg. V. F. xla Suc. T. G. Suc.
ALG.

Ls. Br. G. Dur T. A. Ltg. w/

STANDARD PERSONAL FILES

REMARKS

COMPANY: RAYMOND OIL CO., INC. ELEVATION: 2620 KB

LEASE: # 1 REBEL TRUST UNIT

LOCATION: 2662 ENL. & 94 ENL. 28 185 27W

COUNTY: LANE STATE: KANSAS

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

November 08, 2011

Clarke Sandberg
Raymond Oil Company, Inc.
PO BOX 48788
WICHITA, KS 67202-1822

Re: ACO1
API 15-101-22298-00-00
Riebel Trust Unit 1
SE/4 Sec.28-18S-27W
Lane 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,
Clarke Sandberg



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oli Company Inc.

#1 Riebel Trust Unit

P.O. Box 48788
Wichita KS, 67202 - 1822

28-18s-27w

Job Ticket: 43242

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2011.08.08 @ 18:55:00

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:46:15

Time Test Ended: 03:08:15

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 4390.00 ft (KB) To 4450.00 ft (KB) (TVD)

Reference Elevations: 2620.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

2612.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 64.27 psig @ 4391.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.08

End Date:

2011.08.09

Last Calib.: 2011.08.09

Start Time: 18:55:01

End Time:

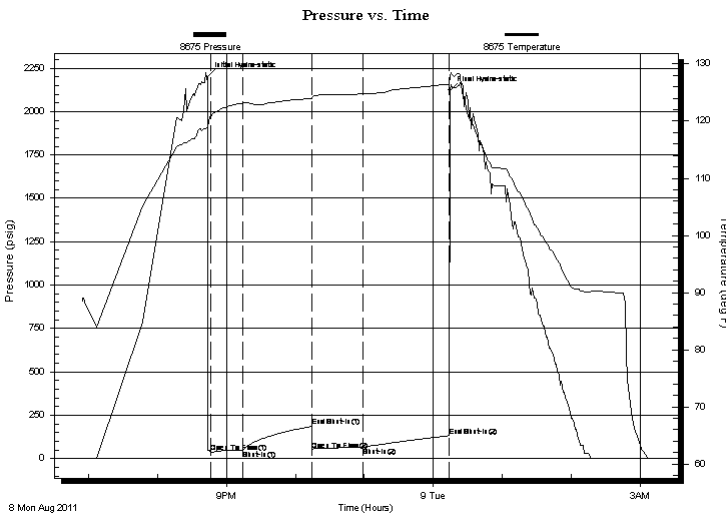
03:08:15

Time On Btm: 2011.08.08 @ 20:43:45

Time Off Btm: 2011.08.09 @ 00:14:15

TEST COMMENT: B.O.B. in 2 1/2 min.
Weak surface return blow died in 20 min.
B.O.B. in 1 min.
B.O.B. in 40 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.02	118.95	Initial Hydro-static
3	34.94	120.84	Open To Flow (1)
31	50.16	123.20	Shut-In(1)
91	184.43	123.89	End Shut-In(1)
91	47.96	124.04	Open To Flow (2)
136	64.27	124.76	Shut-In(2)
210	131.29	126.40	End Shut-In(2)
211	2121.41	127.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1674 Gas in pipe	0.00
120.00	ocm 40%O 60%M	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oli Company Inc.

#1 Riebel Trust Unit

P.O. Box 48788
Wichita KS, 67202 - 1822

28-18s-27w

Job Ticket: 43242

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2011.08.08 @ 18:55:00

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: 6.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1674 Gas in pipe	0.000
120.00	ocm 40%O 60%M	1.683

Total Length: 120.00 ft Total Volume: 1.683 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

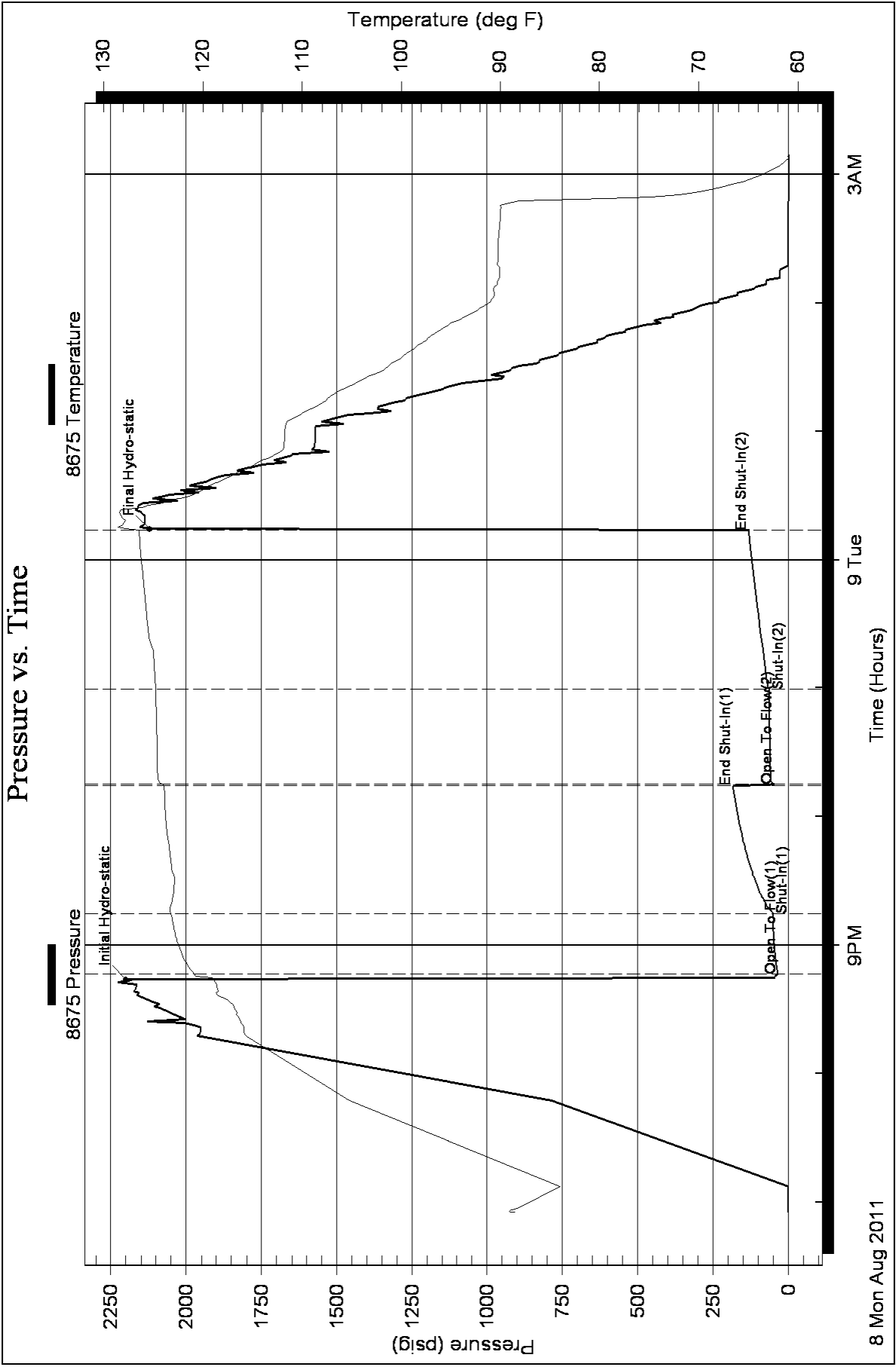
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oli Company Inc.

#1 Riebel Trust Unit

P.O. Box 48788
Wichita KS, 67202 - 1822

28-18s-27w

Job Ticket: 43243

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2011.08.09 @ 13:40:00

GENERAL INFORMATION:

Formation: **Penn. Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:31:00

Time Test Ended: 21:04:45

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 4453.00 ft (KB) To 4506.00 ft (KB) (TVD)

Reference Elevations: 2620.00 ft (KB)

Total Depth: 4506.00 ft (KB) (TVD)

2612.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 19.05 psig @ 4454.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.09

End Date:

2011.08.09

Last Calib.:

2011.08.09

Start Time: 13:40:01

End Time:

21:04:45

Time On Btm:

2011.08.09 @ 15:30:30

Time Off Btm:

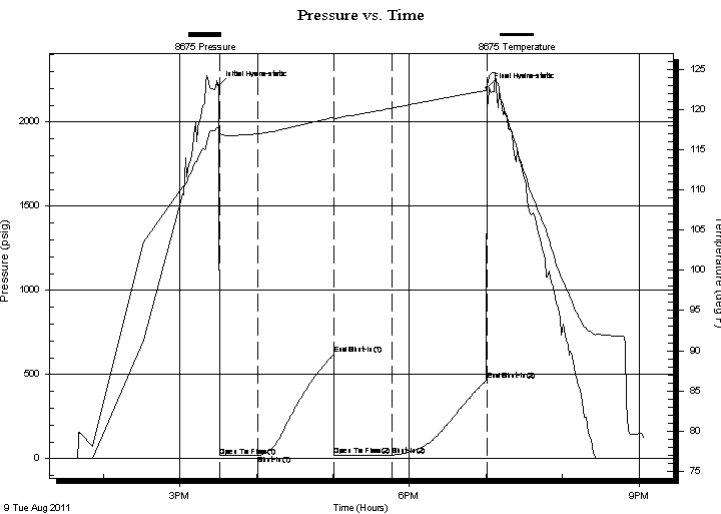
2011.08.09 @ 19:00:45

TEST COMMENT: Built to weak surface blow

No return blow

No blow

No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.45	117.70	Initial Hydro-static
1	17.28	116.96	Open To Flow (1)
31	18.75	116.99	Shut-In(1)
91	619.20	119.04	End Shut-In(1)
91	18.83	118.69	Open To Flow (2)
136	19.05	120.18	Shut-In(2)
210	468.32	122.39	End Shut-In(2)
211	2202.33	123.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	o scum m 100% M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oli Company Inc.

#1 Riebel Trust Unit

P.O. Box 48788
Wichita KS, 67202 - 1822

28-18s-27w

Job Ticket: 43243

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2011.08.09 @ 13:40:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	o scum m 100% M	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

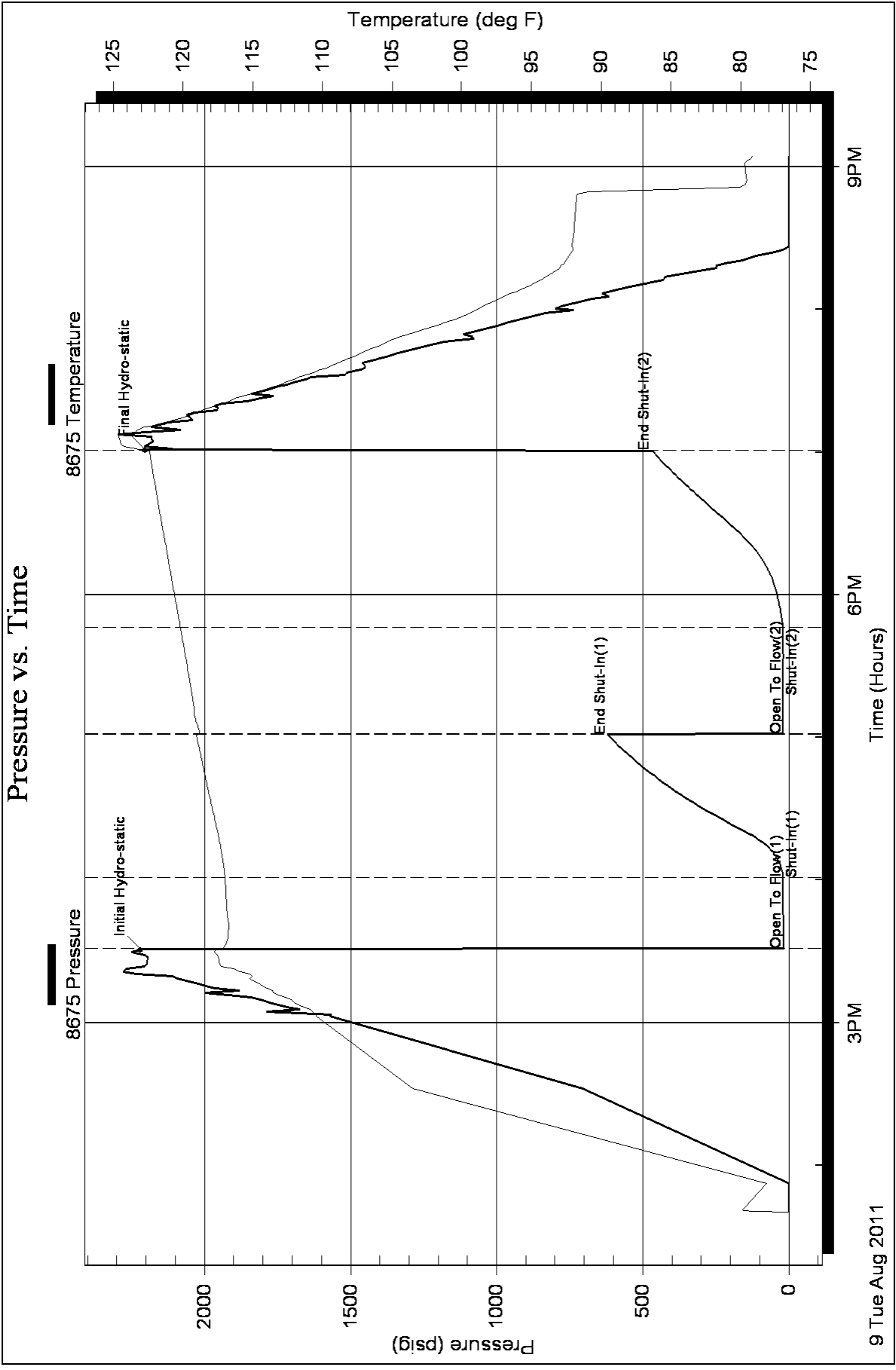
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oli Company Inc.

#1 Riebel Trust Unit

P.O. Box 48788
Wichita KS, 67202 - 1822

28-18s-27w

Job Ticket: 43244

DST#: 3

ATTN: Kim Shoemaker

Test Start: 2011.08.10 @ 05:50:00

GENERAL INFORMATION:

Formation: **Penn. Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:52:30

Time Test Ended: 13:10:45

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 4454.00 ft (KB) To 4518.00 ft (KB) (TVD)

Reference Elevations: 2620.00 ft (KB)

Total Depth: 4518.00 ft (KB) (TVD)

2612.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 25.74 psig @ 4455.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.10

End Date:

2011.08.10

Last Calib.:

2011.08.10

Start Time: 05:50:01

End Time:

13:10:45

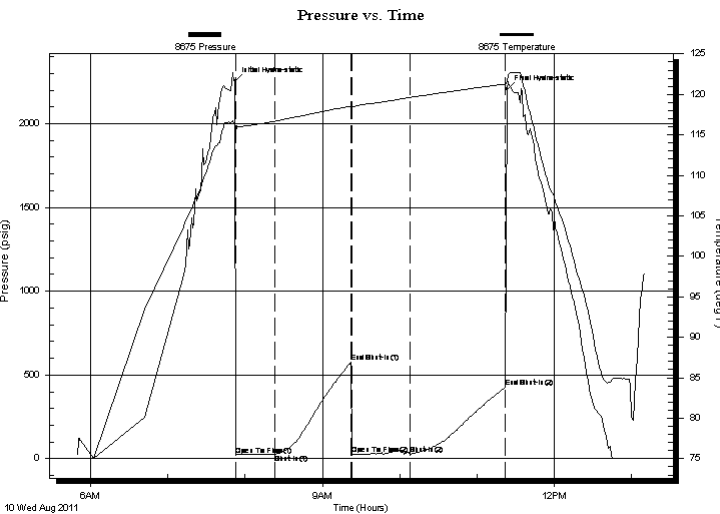
Time On Btm:

2011.08.10 @ 07:52:15

Time Off Btm:

2011.08.10 @ 11:23:15

TEST COMMENT: Built to 1" blow
No Return blow
No blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2251.64	116.43	Initial Hydro-static
1	23.25	115.29	Open To Flow (1)
31	24.79	116.70	Shut-In(1)
90	574.24	118.55	End Shut-In(1)
91	24.60	118.32	Open To Flow (2)
136	25.74	119.61	Shut-In(2)
210	427.91	121.28	End Shut-In(2)
211	2203.74	121.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%M	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oli Company Inc.

#1 Riebel Trust Unit

P.O. Box 48788
Wichita KS, 67202 - 1822

28-18s-27w

Job Ticket: 43244

DST#: 3

ATTN: Kim Shoemaker

Test Start: 2011.08.10 @ 05:50:00

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: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100%M	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:

Pressure vs. Time

