



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1072286  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1072286

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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>	<b>PRODUCTION INTERVAL:</b> _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 33715  
LOCATION Oakley, Ks  
FOREMAN Walt Dunkel



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	
11-2-11	7158	G G Smith #2	6	20 <sup>s</sup>	35 <sup>w</sup>	Wichita	
CUSTOMER Raymond Oil Co.		MATERIAL 105 3/4 <sup>w</sup> n.s.		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Josh Guckler		
CITY		STATE		ZIP CODE			
					Coral Parker		

JOB TYPE Surface-0 HOLE SIZE 12 1/4 HOLE DEPTH 270' CASING SIZE & WEIGHT 8 5/8 - 20#  
 CASING DEPTH 270' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 1512 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 15'-20"  
 DISPLACEMENT 15 3/4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meetings, Rig up on H2 #2, circ casing on bottom  
mix 185 sks com, 3% cc - 2% cal, Displaced 15 3/4 BBL H2O @ 175#  
shot in

Cement Did Circ

Thank You  
Walt Dunkel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	1,025.00	1,025.00
5406	60	MILEAGE	5.00	300.00
11045	185	class A cement	16.80	3108.00
1102	522 #	Calcium Chloride	1.84	438.48
1118B	348 #	gel	1.24	83.52
54074	8.7	Ton Mileage Delivery	15.8	825.00
				5780.00
		Less 10% Disc		- 578.00
				5,202.00
		245593		271.15
			SALES TAX	
			ESTIMATED TOTAL	5473.15

Ravin 3737

AUTHORIZATION Steven Craig TITLE Toolpusher DATE 11-2-11

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.



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 33748  
LOCATION Oakley Ks  
FOREMAN Walt Dunkel  
Kelly Gable  
Ks

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
11-14-11	7158	G.G. Smith #2	6	20 <sup>s</sup>	35 <sup>e</sup>	Wichita
CUSTOMER <u>Raymond Oil Co</u>			MARIUTHA			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			105	399 - miles Shaw		
STATE			60	460 - Cody Roots		
ZIP CODE			14N	466-7129	Wes	

JOB TYPE Prod-DV-0 HOLE SIZE 7 7/8 HOLE DEPTH 5150 CASING SIZE & WEIGHT 4 1/2 - 11.6 #  
CASING DEPTH 5144' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.2-12.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 42'  
DISPLACEMENT 82 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 6 BPM

REMARKS: Safety Meeting, run Float Equip Cont 1-3-5-7-11-68, DV on 69  
Basket on 69, circ on bottom, mix 225 sks 60/40 por, 2 1/2 % salt, clear pump  
4 lines, release Plug & Displace 46 BBL H<sub>2</sub>O + 36 BBL mud @ 700 #  
Landed Plug @ 1500 #, released Pressure, Float Hold  
Open DV Tool, mixed 30 sks in RH, 20 sks in MH, mixed 415 sks 60/40 por  
8% salt, 1/4 # Flo-Sal, clear pump + lines, released Plug & Displaced 36 BBL  
H<sub>2</sub>O @ 800 #, Landed + closed DV Tool @ 2000 #, released Pressure, Hold  
Cement Dial Cure

Thank You  
Walt + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2950 <sup>00</sup>	2950 <sup>00</sup>
5406	60	MILEAGE	5 <sup>00</sup>	300 <sup>00</sup>
1131	225 SKS	60/40 por, Bottom stage	14 <sup>35</sup>	3228 <sup>75</sup>
1131	465 SKS	60/40 por, Top stage	14 <sup>35</sup>	6,672 <sup>75</sup>
1111	833 #	Salt	.42	349 <sup>86</sup>
1118B	3586 #	Bentonite	.24	860 <sup>64</sup>
1107	116 #	Flo-Sal	2 <sup>66</sup>	308 <sup>56</sup>
5407A	29.67	Ten Mileage Delivery	1 <sup>58</sup>	2,812 <sup>80</sup>
4156	1	4 1/2 - AFU Float Shoe	287 <sup>00</sup>	287 <sup>00</sup>
4129	6	4 1/2 - Centralizers	46 <sup>00</sup>	276 <sup>00</sup>
4103	1	4 1/2 - Basket	261 <sup>00</sup>	261 <sup>00</sup>
4283	1	4 1/2 DV Tool w/hold down	3850 <sup>00</sup>	3850 <sup>00</sup>
				22,152 <sup>76</sup>
		Less 10% Disc		2215 <sup>24</sup>
				19,941 <sup>62</sup>
		245.827		
		SALES TAX		1202 <sup>26</sup>
		ESTIMATED TOTAL		21,143 <sup>88</sup>

Ravin 3737

AUTHORIZATION Albert TITLE FORMAN 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.

# Tag Team Geological Service

Haystack Calhoun

Rick'Nature Boy'Flare

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Raymond Oil Co.**  
 LEASE **G & G Smith #2**  
 FIELD **Wildcat**  
 LOCATION **SE NW NE SW**  
 SEC **6** TWP **20** R **35W**  
 COUNTY **Wichita** STA **KS**

ELEVATIONS  
 KB **3219**  
 LF **3208**  
 GL **KB**

CONTRACTOR **H2 #2**  
 START **11-1-2011** END **11-13-2011**  
 DEPTH **5150** TYPE **5148**  
 MUD WT **3440** TYPE **Chem**

CASING  
 8 7/8" @ 268'  
 4 1/2"  
 ELECTRICAL SERVICE  
 DI, MICRO  
 COMP NYD

### FORMATION THICKNESS AND STRATIGRAPHY

FORMATION	DEPTH TO TOP	DEPTH TO BASE	THICKNESS	DEPTH TO TOP	DEPTH TO BASE
Base Anhydrite	2348			867	879
Stoller	3575	3573	-354	-365	-336
Hoobner	3992	3992	-773	-782	-754
Lansing	4034	4040	-821	-829	-804
Stark	4350	4348	-1129	ABS	-1112
Marmaton	4525	4522	-1303	-1317	-1286
Pawnee	4612	4612	-1393	-1404	-1384
Myric Station	4652	4652	-1433	-1439	-1416
Fl Scott	4665	4667	-1448	-1454	-1436
Cherokee	4699	4695	-1476	-1484	-1466
Johnson	4744	4741	-1522	-1529	-1512
Atoka	4792	4789	-1570	-1577	-1560
Morrow SH	4877	4874	-1655	-1665	-1638
Mississippi	4988	4980	-1771	-1767	-1762

### REFERENCE WELLS FOR STRATIGRAPHY

- Raymond GG Smith #1 SW NE SW SE 6-20-35W
- Raymond Holstein #1 NE NE SW NW 12-20-35W

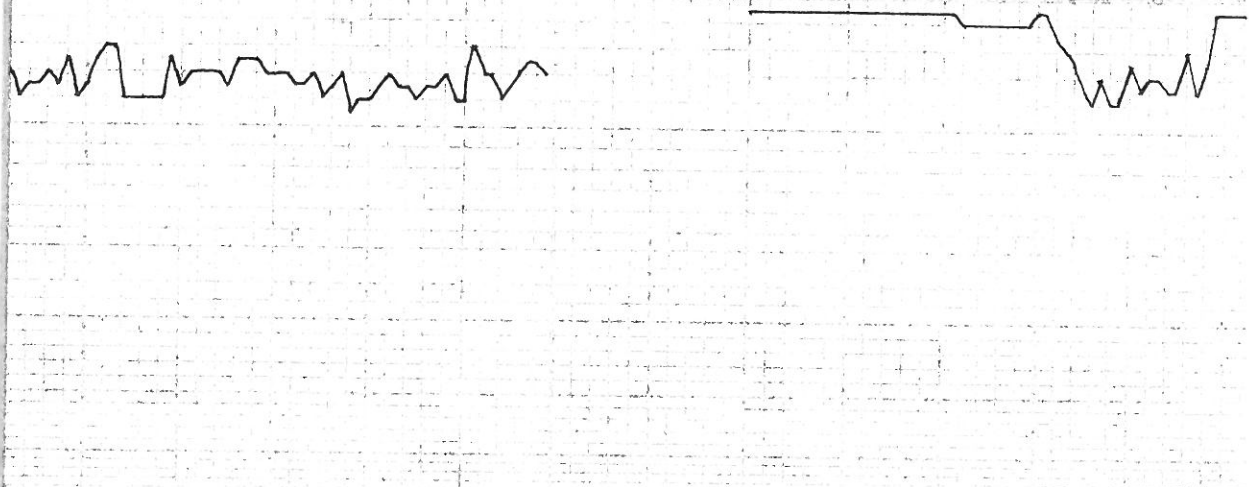
2594-324  
 [Faint handwritten notes and text, mostly illegible due to low contrast and bleed-through.]

Sample	Set	Procedure	State	Location	Date/Time	Notes
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ANALYSIS AND REFINEMENTS  
 FOR PPT  
 See attached notes & records

AWYDRITE  
 1321 + 898

W



ANHYDRITE  
2321 + 898

BASE  
ANHYDRITE

2350  
2348 + 871

3400

V13 HS  
WT 88  
LCM 2



MAYSTACK CALHOUN  
ON LOCK

SLTSTM, GRY

LS, TAW, FXTLM, SL GRWLR TXT,  
V HRD, V FEW FOSS, NS

LS, GRY / BLK, BRN/BLK, MXTLM,  
GRWLR TXT, CRS TXT, FXTLM P,  
HRD, NS

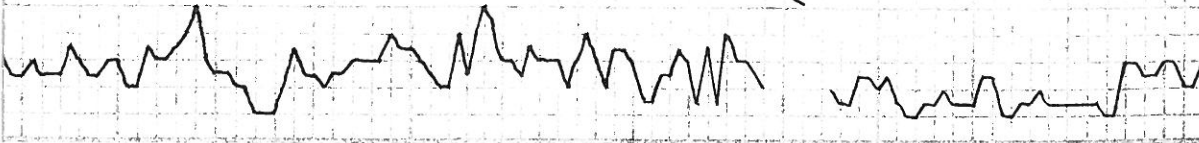
LS, GRY, BLK FOSS W/M, HRD, SL  
"MEALY", NO APP B, NS

3500

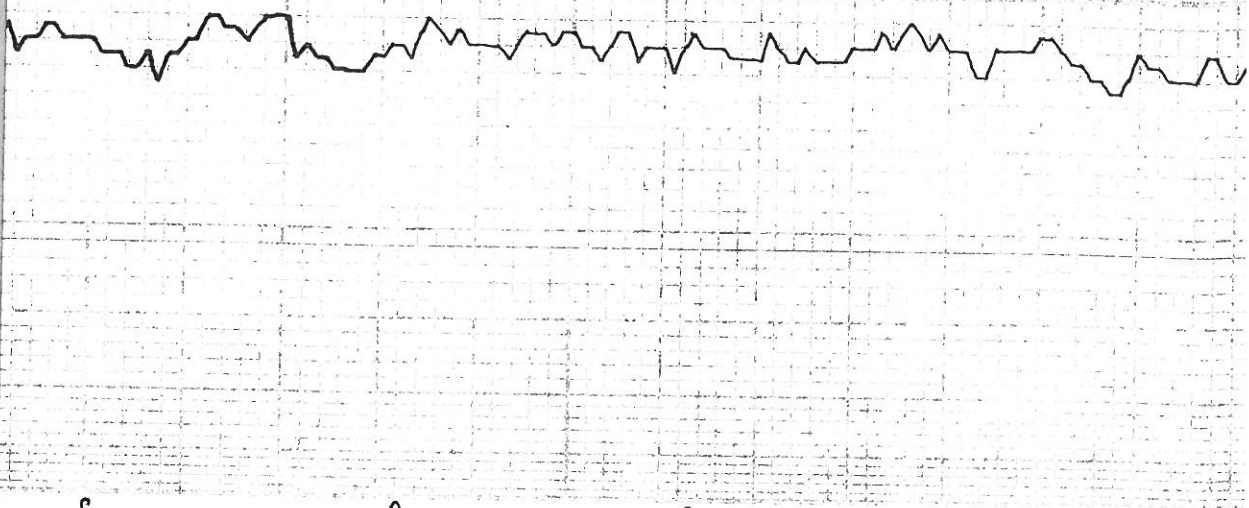
STOLLER  
3575 - 356

AUTO DRILL MESSING UP

AUTO LOCK STOPPED







3600

3700

LS, LT GRY / WHT, SOFT, ROTTEN,  
FEW FOSS, ? RW, F → P, MS

LS, WHT / TAN, VF XTLN, CRS XTLN +  
FOSS FRAGS W/N, W CMT'D, NS

LS, CRM, CHLKY

SH, GRY  
A.A. IWER BLK SH

LS, CRM TAN, FOSS, CHLKY  
1 pc BLK STR

pc BLK STR

MUDCHECK  
VIS 41 wt 8.8  
CHLOR 4200 LCM1  
FILT 8.4  
RICK "NATURE BOY" FLARE  
ON LOGS

VIS 45  
WT 8.9  
LCM 2

VIS 45  
WT 9.0  
LCM 2

LS, GRY, FOSS

LS, GRY, FOSS, GRNLR, CHLKY, FORMLR  
TPT, NS

LS, M.A.

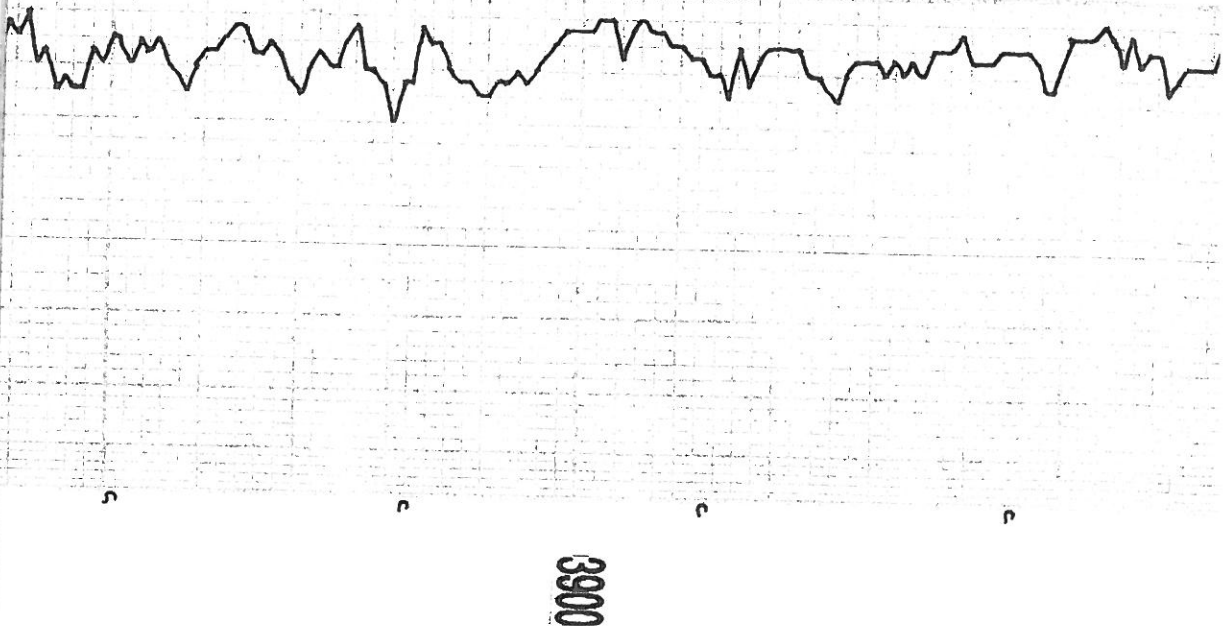
LS, WHT, CRM CHLKY

LS, TAN, SL GRNLR, SL FOSS

LS, CRM, CHLKY

3800





3900

LS CRM, FOSS

SH, GRY

LS, CRM, FOSS

LS, AA, sm ? LT RRW STM,  
NO FLVDR

LS, TAN, FOSS, SL GRN/LA

LS, TAN, CRM

SH, GRY

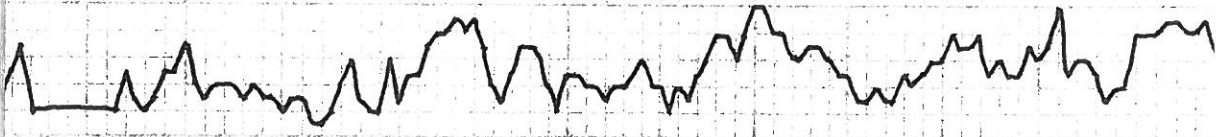
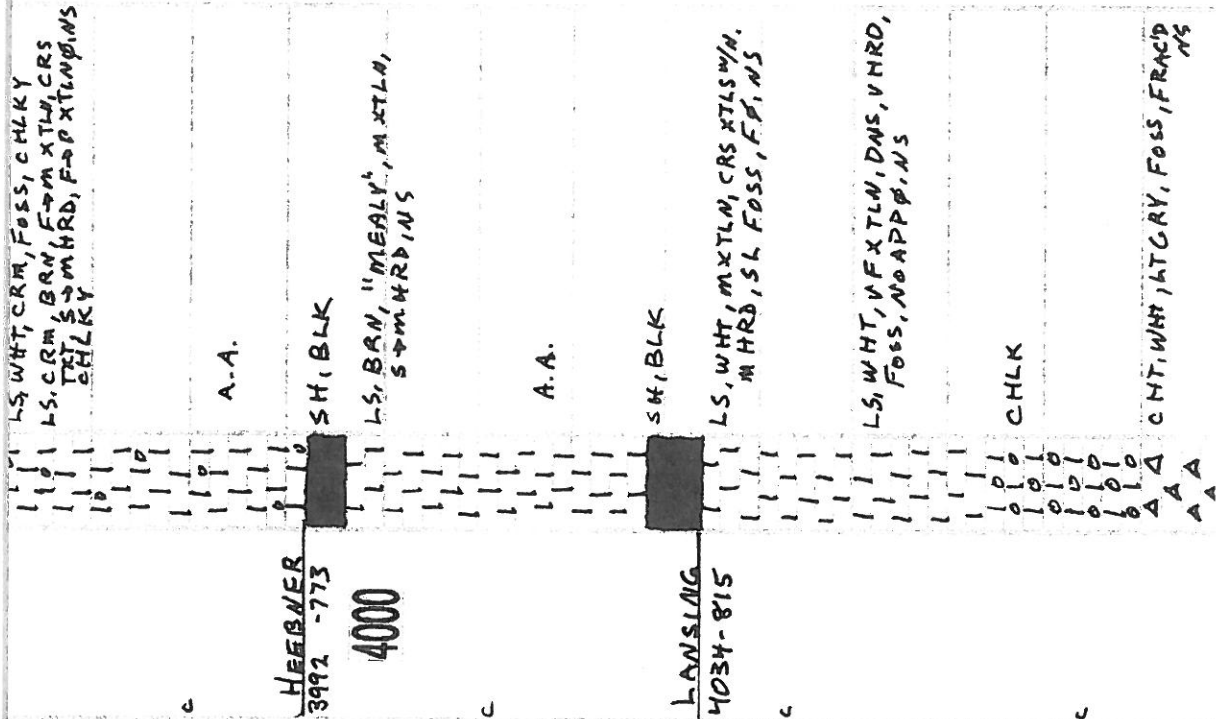
LS, CRM, EXTLN, SL CHLKY  
RARE SPTY FLVDR, NO ODOR

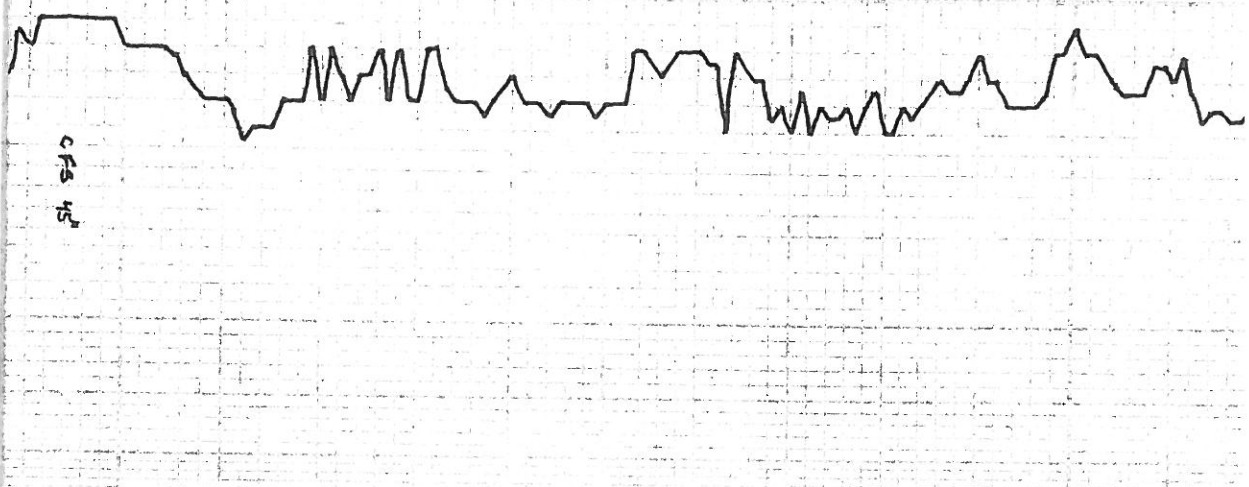
LS, WHT CRM, FOSS, CHLKY

VIS 45  
WT 9.0  
LCM 2

HAYSTACK CALHOUN  
ON LOCK

7:AM 11-7-11  
DRG @ 4077





4100

4200

LS, CRM, BUFE, MXTLW, SL  
SL GRNLR TXT, NS

SH, BLK

LS, WHT, CRM, MXTLW, SL FOSS,  
SL CHLKY

LS, NA. 2 PCS? LTRN STN,  
NO FLVDR, NO ODBR  
TR. HVY BLK STN

HVY BLK  
STN

LS, WHT, CRM, SL FOSS, SL AT

POOR SMPLS, MUCH WBL RND QTZ  
GRS (UP HOLE CAVE?)

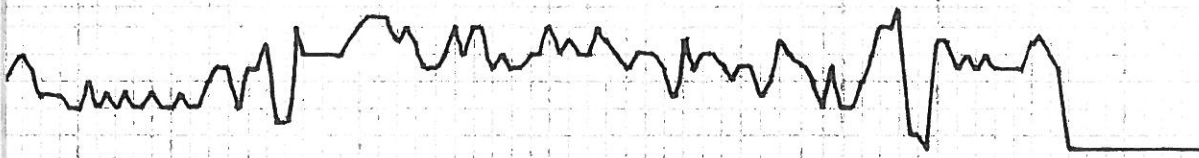
LS, TAV, FXTLW, SL FOSS

LS, CRM, DAS

LS, GRY-WHT, FOSS

LS, GRY, FOSS, SL ODR, SM W/GRNLR  
TXT, F GRNLR, NS, NO ODBR

RICK "NATURE BOY" FLARE  
ON LOC



LS.CRM, 00L, SL FOSS

LS.CRM, SL FOSS

A.A. W/TITE OOLS

SH, BLK

LS.CRM, 00L, SL FOSS, TITE,  
MUCH BLK SH

LS.CRM, 00L, SL FOSS, DNS

LS, CRM, FXTLM, BR TL, SL FOSS,  
V FNT SWEET ODOR, NSFO,  
NO STN SWEET  
ODOR

LS.A.A., MOSTLY DNS, SOME MXTLD

A.A. W/CHLKY LS W/BLK STRIGS

LS, WHT, 00L, SL FOSS, SOME  
DK GRY FOSS LS, BATTL

LS.CRM, A.A., TR CMLK

LS, CRM, F-TP VULG, SOME BRATE  
YELL EDGE, NSFO, NO ODOR

LS, 00L, WCM TIP OOLS

LS, CRM, 00L, 6 00L Ø, SL ATY,  
(GRY FOSS), FEW LOOSE 00L,  
FNT FLASH ODOR, NSFO,  
NO FLUOR, SHY NO SHO

MUNCLÉ  
4236 -1017

4300

CFS

CFS

STARK EST  
4350 -1131

NO FLUOR, SHY AND SHD

L5, A.A. w/some DMS, TITE OOL  
w CMT'D OOLS

L5, CRM, OOL, FOSS, F VUG Ø, some  
DK MINS w/N

R4, w/ DK GRV-BLK OOL, some  
BRN FOSS, DMS,

L5, CRM, SL BRN FOSS, DMS

L5 WHT, OOL, & VUG Ø, some  
DK BRN SH, NS

L5, CRM, BRN, FOSS, SL OOL, DMS

L5, CRM, LT BRN, OOL, some DMS

L5 CRM, LT BRN, OOL, some VUG Ø,  
TITE, CMT'D OOLS

L5, TAN/WHT, SL OOL, OOL, CRS  
XTLN, F → P VUG Ø, RE XTLN OOLS  
CLR CMT, NS

L5, TAN, MOSTLY DMS

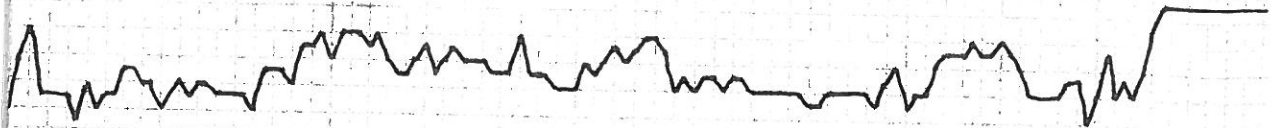
L5, TAN, GRV, some F → M XTLN  
PR Ø

L5, A.A., SL FOSS, SL OOL, DMS

L5, TAN, CRM, MOSTLY DMS, SM  
COND

4400

HUSH PUCKNEY  
4405 -1186





UNCLAY, SM OOL, FLOOR

LS, TAN, FOSS, SL CHLKY, SM BLK  
SPTS IN GRNLR, P GRNLR

LS, BRN, FOSS, SL OOL, P GRNLR +  
PP, SM BLK STRKS + SPTS

A.A.  
W/ GRY SMDY SLTSTN

LS, BRN, TAN, OOL - FOSS

SH, GRY

LS, BRN, FOSS, P PP + VUG, SM  
DK STN

LS, GRN, FXTLN, SL FOSS, DNS  
SLTSTN, GRY

LS, WHT, CRM, SL OOL, SL FOSS, P PP + VUG SPTX  
SPTY, BLK STN, MO OOR

LS, WHT, CRM, SL OOL + FOSS, P VUG + PP, SPTX  
G FLUOR O DRIPS, FANT OOR

LS, L.A.A, F OOL, FBNL OOR, SPTX  
FANT OOR, SPTX

LS, WHT, CRM, V OOL, SL CLR CRT, SM G  
OOL, FEW SPTX BRN, LTB STN,  
TR CAS, F-G SFO ON DRK, MO OOR

LS, WHT, CRM, OOL, TITE CRT, P VUG  
P, NS

LS, BRN, TAN, SL FOSS, FXTLN, NS  
DNS

GRY, SM

LS, CRM, MICRO FXTLN, SL FOSS,  
DNS

LS, CRM, DNS, FEW SMDY LS, FOSS  
NO VIS

DST #1 4528-4542  
30.60-45.90  
IF: 1" FF: 1 3/4"  
ISI: NR FSI: NR  
REC: 40' HOCM 30%  
FP: 26-30, 34-42  
SIP: 1189-1198  
HP: 2324-2208

DST #2 4530-4552  
30.60-60.120  
IF: 1 1/8" ISI: NR  
FF: 1 1/2" FSI: NR  
REC: 20' CO 27° API  
40' HOCM 30%  
FP: 27-27, 34-42  
SIP: 1199-1208  
HP: 2361-2263

4542' - BIR Δ

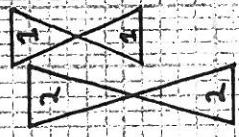
VIS 62  
WT 8.9  
MUD CHECK  
VIS 59 WT 9.2  
CHLOR 3500 LCM 1

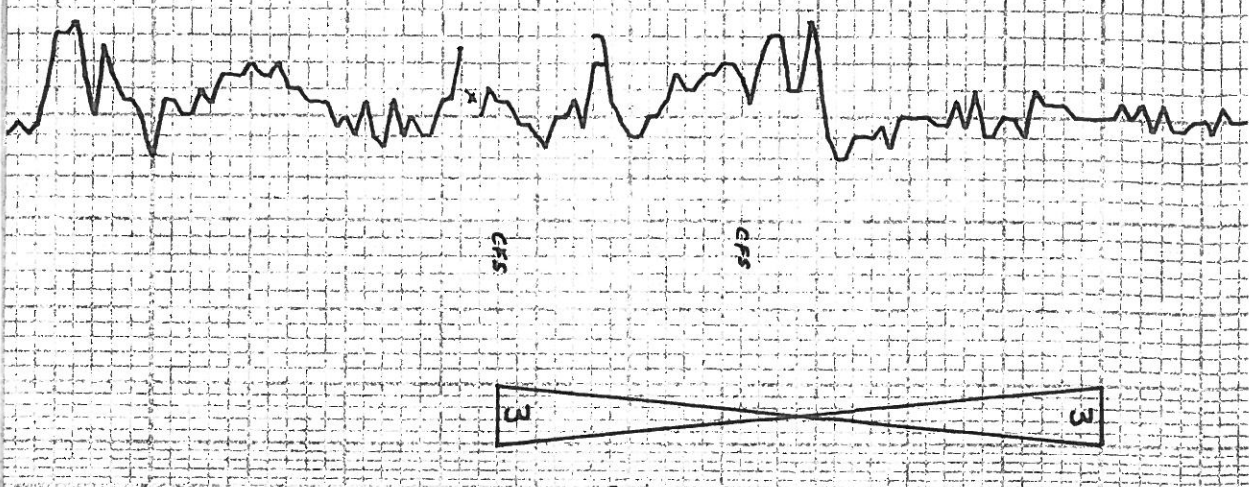
BKC  
4500

4498-1279

MARMATON  
4525-1306

DEV 10





4600

PAWNEE SH  
4612 -1393

PAWNEE  
4629 -1410

MYRIC  
4652 -1433

FT. SCOTT  
4665 -1446

CHEROKEE  
4700  
4699 -1480

NO VIS Ø  
LS, SNBY, GRY, BLK FRACS + QZ  
PBLS, FOSS, V FOSS, SOME CRM  
FOSS, DMS

A. A.

SH, BLK, DK GRY  
LS, DK GRY, FOSS, HRD, DMS, SM BK  
CHT

LS, GRY, FOSS, HRD, SHLY, RARE  
GAS Bbl, SM ? STN (GILSONITE)

SH, GRY  
LS, GRY, FOSS, GRNLR, TXT, SM FOSS, SPTY STN  
GRY, BLK A, SM G, GRNLR, BRN  
SPTY STN, NSF, WOODOR, No Fluor  
LS, GRY, FOSS, SM P GRNLR, NS  
CHT, GRY

LS, CRM, NO XTLN, SL FOSS, CHT, BRN, FSFO  
GRY, WHT, P, F, SP, VUG, F, FSFO  
SED ON BRK, BLEED BRND, GRN, FWT, DOR  
SCT, BRN, SPTY STN, BDC, STNG  
SH, GRY

LS, TAN, GRY, MXTLN, V HRD, DMS  
SL SGT FOSS, TITE, NS

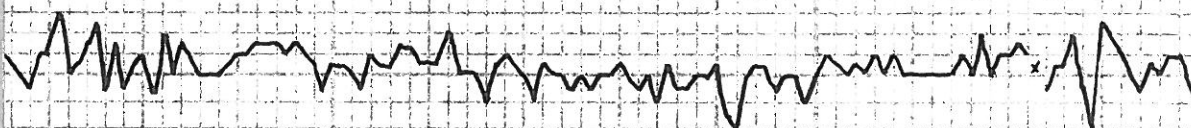
LS, GRY, EXTLN, HRD, TITE, NS  
LC GAMS

SS, UNCONSOL, VARI COLOR, RND  
LC GAMS  
LS, LT GRY, EXTLN, DMS, M HRD,  
TITE, NS

SH, GRY, BLK  
LS, LT GRY, EXTLN, DMS, M HRD,  
TITE, NS

DST #3 4600-4664  
30.60.45.90  
LF: Y, Lead 27" 151: NR  
FF: Bils, dies  
FSI: NR  
REC: 5' m  
FP: 3026, 32.31  
SIP: 1144-1102  
HP: 2343-2229

GEO CHANGE  
HAIRSTACK CATHOU on Loc 3  
-7AM 11.11.11 OUT w/DST #3  
MUD CHECK  
VIS 50 WT 9.2  
CHDR 9,000 LCM 1  
FILTR 9.6



LS, BRN, TAN, VFXTLN, VDMS,  
VHRD, TITE, WCMT'D FOSS  
NS

LS, GRY, VFXTLN, VHRD, VDMS,  
SL FOSS, TITE, NS

LS, TAN / BRN, VFXTLN, VDMS,  
VHRD, WCMT'D ODL V FOSS,  
TITE, NS

LS, BRN / TAN, VFXTLN, VDMS, VHRD,  
looks like A, FEW FOSS, TITE, NS

LS, CRM, BUFF, FXTLN, HRD,  
FEW FOSS, TITE, NS

SH, GRY

LS, CHT, GRAY, V FOSS

LS, GRY, TAN, BRN, FXTLN, PLS  
M -> CRS XTLN, RE XTL'D FRACS,  
HRD, TITE, SL RE XTL'D P, CHUKY,  
NS

AA

LS, WHPT, SOFT, CHUKY, SCT BLK  
TARRY, DO RES IDUE, NO ODOR,  
NO FLUOR, NO VALVE

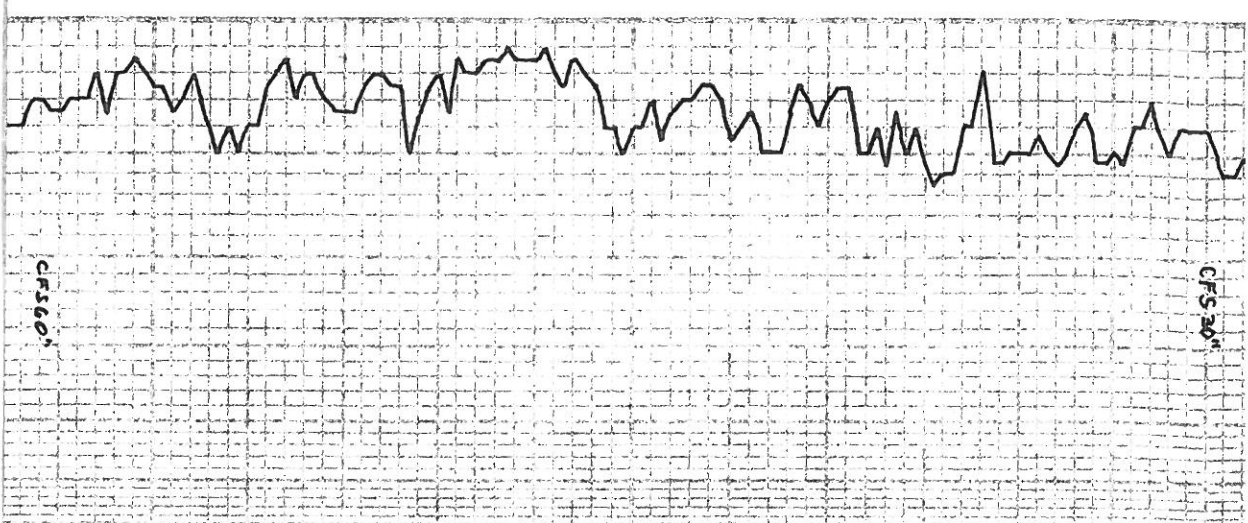
JOHNSON  
4744 -1525

ATOKA  
4792 -1573

4800

V1550  
LCM 2

V1545  
WT 9.3  
LCM 2



CFS 20

CFS 60

MORROW SH  
4977 - 1650

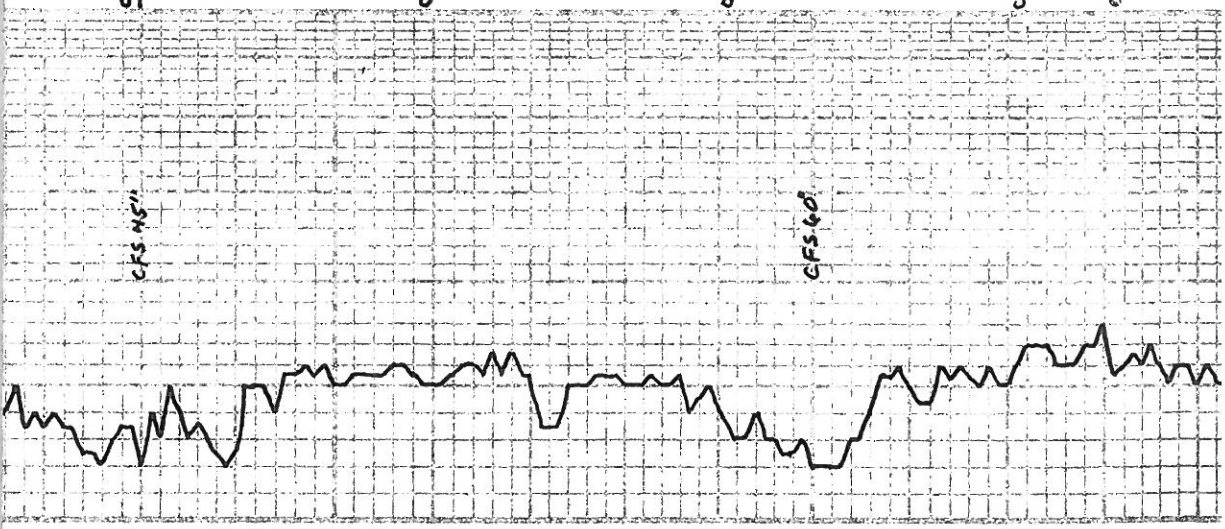
4900

LS, WHT/GRY, FEM XTLN, M HRD G INT XTLN B, ? GAS SHO, NO DDBR	LS, GRY, EXTLN, V HRD, DUS, SCT FOSS, NO APP B, NS	SH, BLK	CHT, MILKY, OPAQ, BRN, BRN WYABU SM, FOSS W/M, NS	SH, BLK	SH, GRY, SLTY	LS, TAN, BRN, FEM XTLN, FOSS, M HRD, F B, CHT Pcs, OPALESS, NS	SH, GRN	SLSTN, GRY, GRN	SS, LG QTZ PDBLS, RND, PITTED, VN CONSOI	LS, GRN, TAN, EXTLN, SCT DDBS, W CMT'D, V CHLRY, NS	SS, VARICOLOR, VARI SIZE RND SUB RND, VN CONSOI, ABBN PYR	SLSTN, GRN, GRY, M HRD, NS	CONGL, QTZ GRNS, AVG → SUBANG LSCMT, G INT B, NS
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7:Am 11.12.11  
BRLG 4978

MUDCHICK  
VIS 58 WT 9.2  
Chlor 8,000. Lcm 1  
FILT 8:0

ROTARY CHAIN BROKE



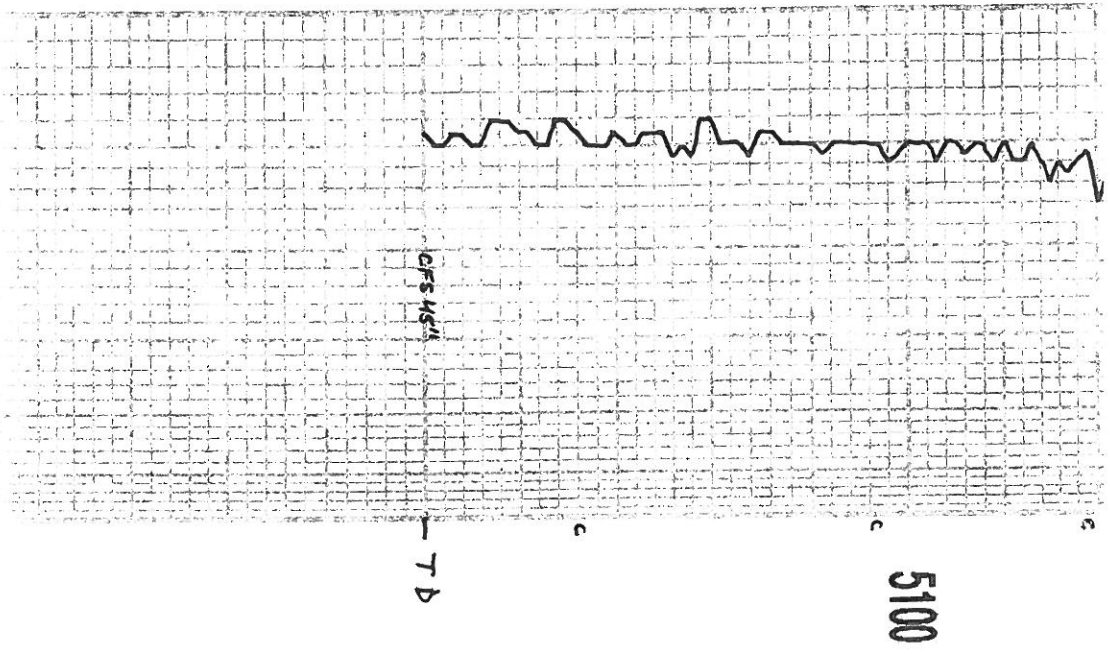
SH, GRN, GRY, BLK	SS, WHT, BRN, ABUN UNCONSOL. WHT + GRN CMT, SL FRIABLE PCC, GØ, VPSORT, VARISHAPE NS	SS FLOOD	LS, WHT, F-ØM XTLN, VWCMTD, TITE, VHRD, ABUN FOSS, NS	LS, WHT, F-ØM XTLN, TAN, VWCMTD, M HRD, VØØL FCMTD ØØLS, G ØØLØ, NS	LS, BRN, V FXTLN, DNS, V BRTL FLAKY, TITE, NS	LS, AA, LT TAN, DK TAN	A.A	LS, TAN, FXTLN, HRD, FOSS.
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V. 556  
WT 9.3  
LCM 1

V. 552  
WT 9.3  
LCM 2

SH FLOOD  
GRN + GRY SH





5100

T/D

LS, TAN, FXTLN, HRD, FOSS, SL BRTL, No APP, NS
CH, BRN, OPA, NS
LS, TAN, VFXTLN, VHRD, DWS, LG BLK + BRN FOSS w/N, TITE NS
LS, CRM, F + MXTLN, HRD, SL FOSS, ?XTLN, NS
AA

VIS 55  
WT 9.3  
LCM 1

7:AM 11-13-11  
DRL @ 5148'  
VIS 55  
WT 9.3  
LCM 1

MUD CHECK  
VIS 57 WT 9.3  
CHLOR 8000 LCM 1  
FILT 7.2  
20 STAND SHORT TRIP  
@ TD



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Co

**6-20s-30w Wichita, Ks**

p.o. box 48788  
Wichita, Ks  
67202

**GG Smith #2**

Job Ticket: 45414

**DST#: 1**

ATTN: Ted McHenry

Test Start: 2011.11.08 @ 23:26:08

## GENERAL INFORMATION:

Formation: **Marmaton A/B**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:03:23

Time Test Ended: 08:40:23

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

**Interval: 4528.00 ft (KB) To 4542.00 ft (KB) (TVD)**

Reference Elevations: 3219.00 ft (KB)

Total Depth: 4542.00 ft (KB) (TVD)

3207.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6667 Inside**

Press @ Run Depth: 42.95 psig @ 4529.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.08

End Date:

2011.11.09

Last Calib.: 2011.11.09

Start Time: 23:26:08

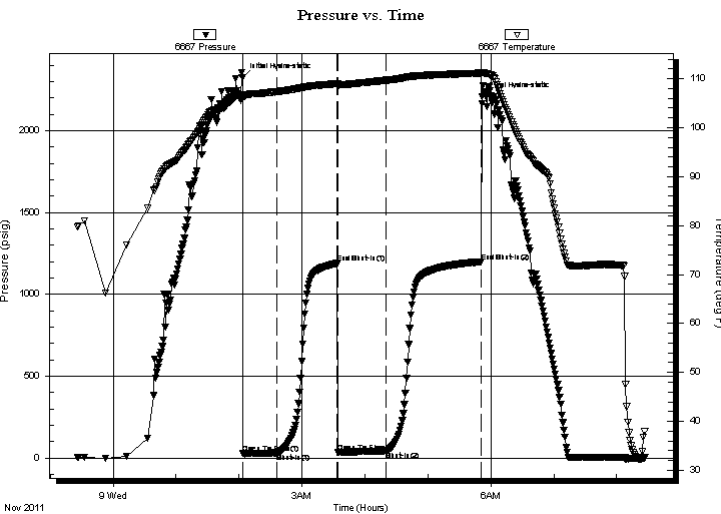
End Time:

08:27:23

Time On Btm: 2011.11.09 @ 02:03:08

Time Off Btm: 2011.11.09 @ 05:51:53

**TEST COMMENT:** 1" in blow  
No return  
1 3/4" in blow  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2324.34	106.64	Initial Hydro-static
1	26.69	106.05	Open To Flow (1)
33	30.94	107.33	Shut-In(1)
91	1189.51	108.97	End Shut-In(1)
92	34.02	108.67	Open To Flow (2)
137	42.95	109.65	Shut-In(2)
228	1198.44	111.13	End Shut-In(2)
229	2208.18	111.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	c o 100%o	0.10
40.00	o c m 30%o 70%m	0.20

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Co

**6-20s-30w Wichita, Ks**

p.o. box 48788  
Wichita, Ks  
67202

**GG Smith #2**

Job Ticket: 45414

**DST#: 1**

ATTN: Ted McHenry

Test Start: 2011.11.08 @ 23:26:08

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	c o 100%o	0.098
40.00	o c m 30%o 70%m	0.197

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

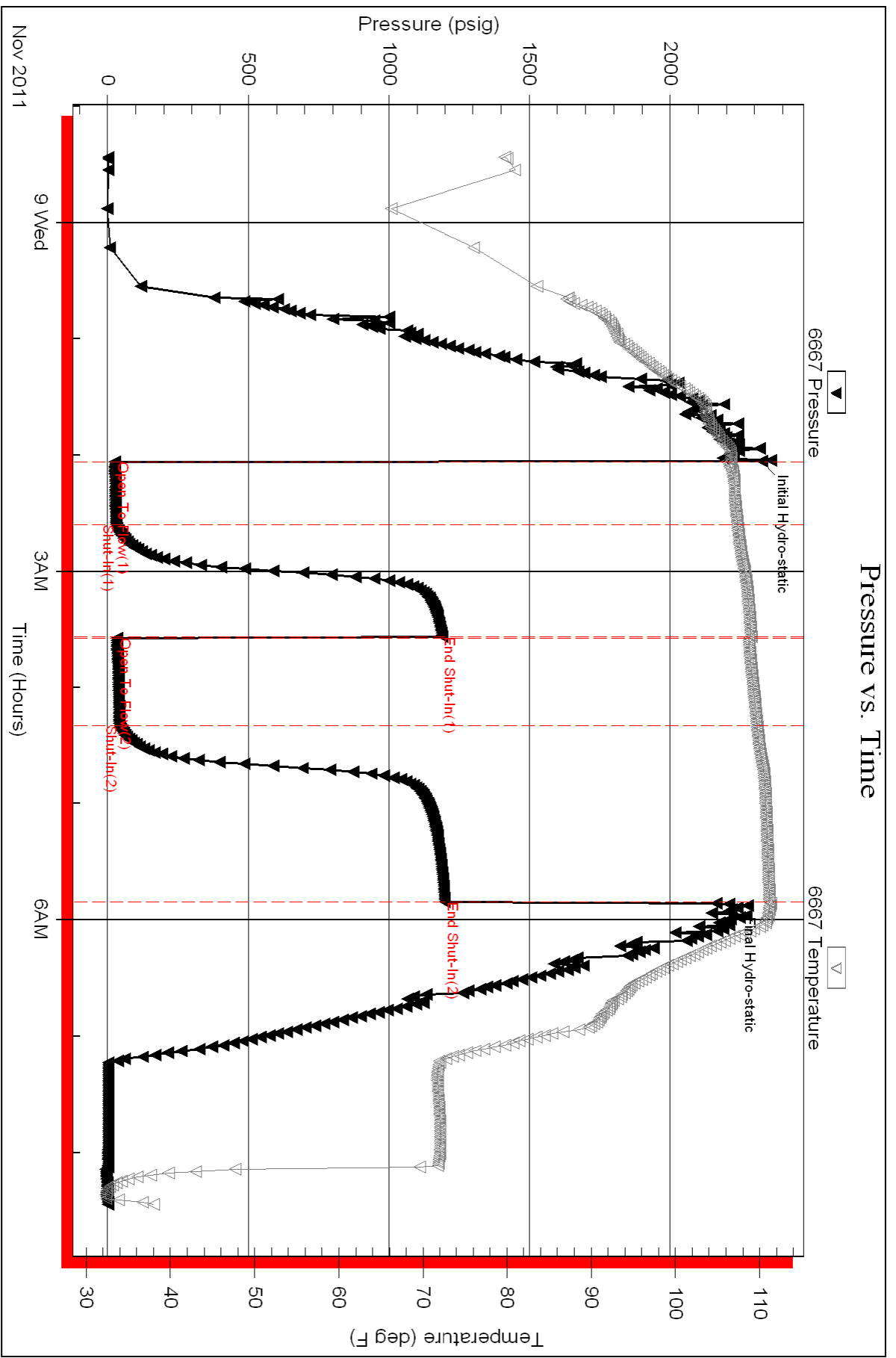
Serial #: 6667

Inside

Raymond Oil Co

GG Smith #2

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Co

**6-20s-30w Wichita, Ks**

p.o. box 48788  
Wichita, Ks  
67202

**GG Smith #2**

Job Ticket: 45415

**DST#: 2**

ATTN: Ted McHenry

Test Start: 2011.11.09 @ 17:36:01

## GENERAL INFORMATION:

Formation: **Marmaton B**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 20:21:46

Time Test Ended: 03:20:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4530.00 ft (KB) To 4552.00 ft (KB) (TVD)**

Reference Elevations: 3219.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD)

3207.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6667 Inside**

Press @ Run Depth: 42.53 psig @ 4531.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.09

End Date: 2011.11.10

Last Calib.: 2011.11.10

Start Time: 17:36:01

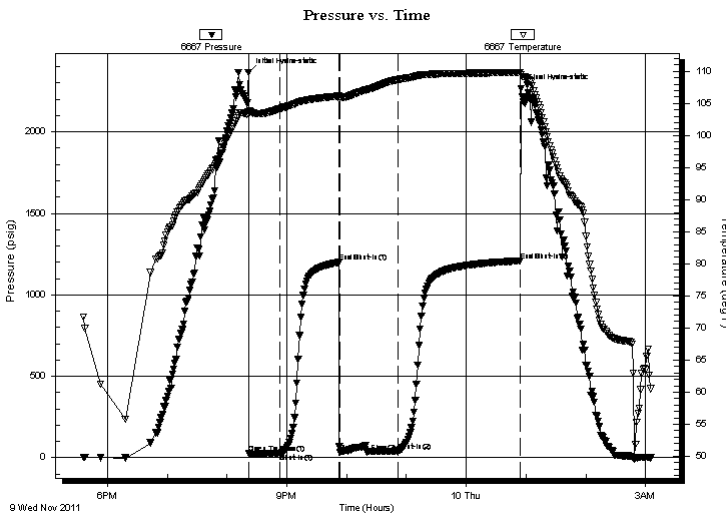
End Time: 03:05:01

Time On Btm: 2011.11.09 @ 20:21:16

Time Off Btm: 2011.11.10 @ 00:55:01

**TEST COMMENT:** 1 1/8 " in blow  
No return  
1 1/2 " in blow  
No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2361.94	103.70	Initial Hydro-static
1	27.51	103.21	Open To Flow (1)
32	27.92	104.21	Shut-In(1)
91	1199.06	106.15	End Shut-In(1)
93	34.48	105.89	Open To Flow (2)
151	42.53	108.70	Shut-In(2)
273	1208.21	109.83	End Shut-In(2)
274	2263.41	109.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	c o 100% o	0.10
40.00	o c m 30% o 70% m	0.20

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Co

**6-20s-30w Wichita, Ks**

p.o. box 48788  
Wichita, Ks  
67202

**GG Smith #2**

Job Ticket: 45415

**DST#: 2**

ATTN: Ted McHenry

Test Start: 2011.11.09 @ 17:36:01

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	c o 100% o	0.098
40.00	o c m 30%o 70%m	0.197

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

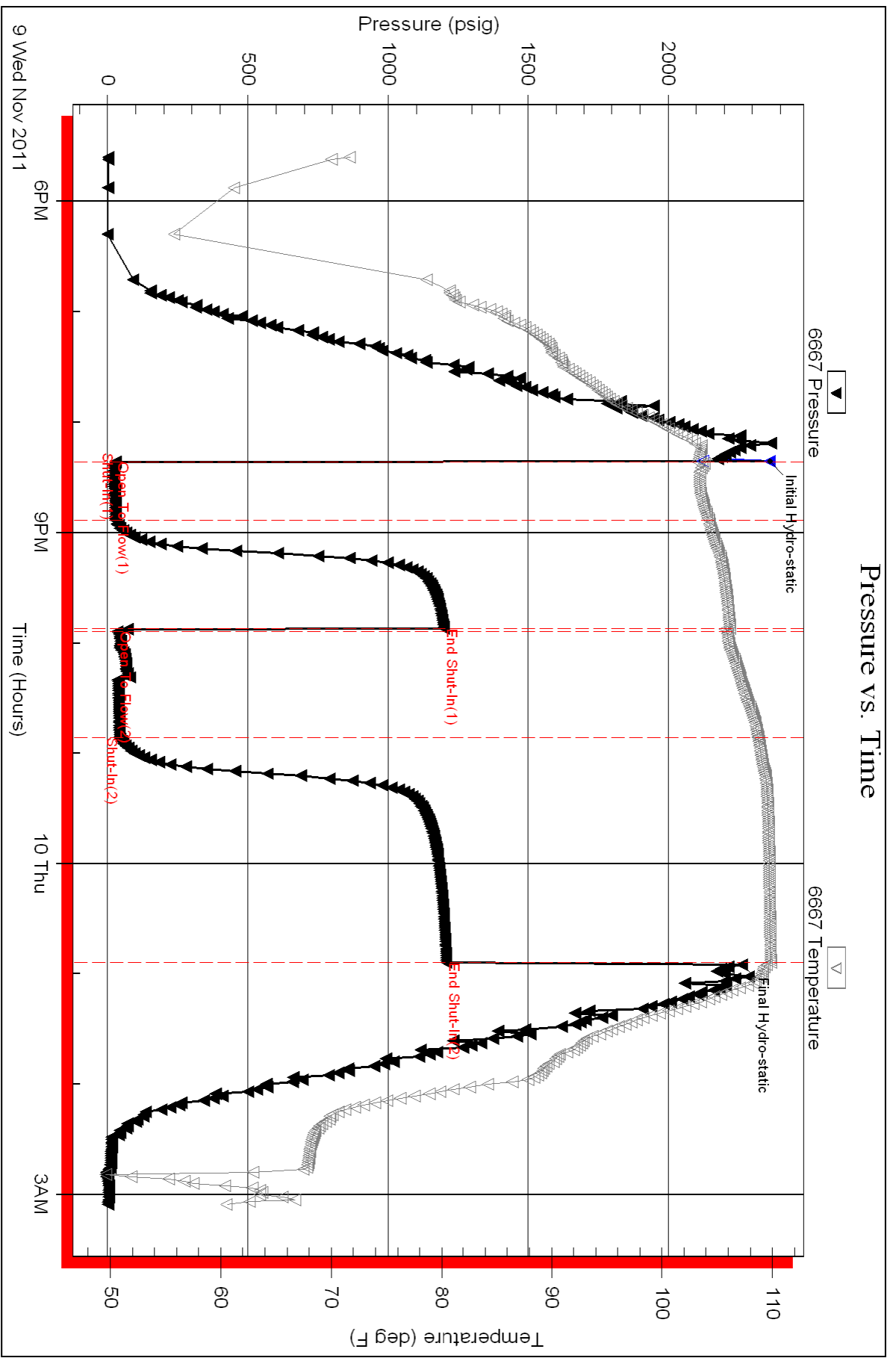
Serial #: 6667

Inside

Raymond Oil Co

GG Smith #2

DST Test Number: 2





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Co

**6-20s-35w Wichita, Ks**

p.o. box 48788  
Wichita, Ks  
67202  
ATTN: Ted McHenry / Max Lo

**GG Smith #2**

Job Ticket: 45416

**DST#: 3**

Test Start: 2011.11.10 @ 22:01:11

## GENERAL INFORMATION:

Formation: **Pawnee/Myrick Statio**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 00:41:11

Time Test Ended: 07:10:56

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4600.00 ft (KB) To 4664.00 ft (KB) (TVD)**

Reference Elevations: 3219.00 ft (KB)

Total Depth: 4664.00 ft (KB) (TVD)

3207.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6667**

**Inside**

Press @ Run Depth: 31.86 psig @ 4601.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.10

End Date:

2011.11.11

Last Calib.:

2011.11.11

Start Time: 22:01:11

End Time:

06:49:56

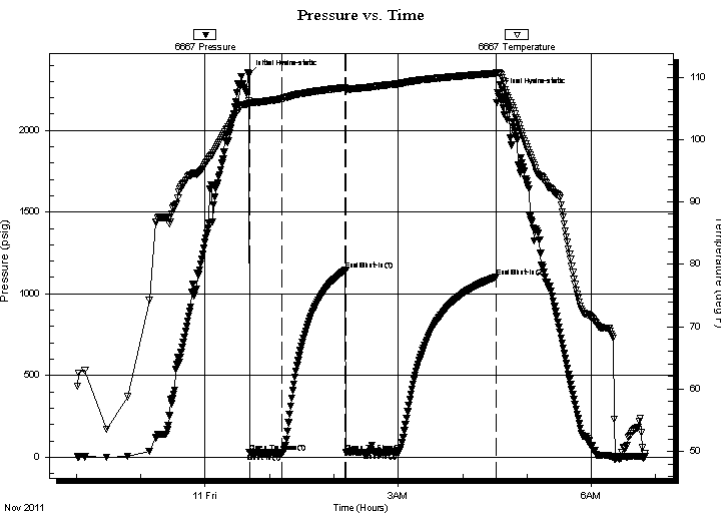
Time On Btm:

2011.11.11 @ 00:40:56

Time Off Btm:

2011.11.11 @ 04:32:41

**TEST COMMENT:** 1/4 "in blow died in 27 min.  
No return  
Bubble to open tool no blow  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2343.95	106.16	Initial Hydro-static
1	30.53	105.67	Open To Flow (1)
31	26.96	106.56	Shut-In(1)
90	1144.32	108.32	End Shut-In(1)
90	32.26	107.83	Open To Flow (2)
139	31.86	108.92	Shut-In(2)
231	1102.39	110.59	End Shut-In(2)
232	2229.55	110.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Co

**6-20s-35w Wichita, Ks**

p.o. box 48788  
Wichita, Ks  
67202

**GG Smith #2**

Job Ticket: 45416

**DST#: 3**

ATTN: Ted McHenry / Max Lo

Test Start: 2011.11.10 @ 22:01:11

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



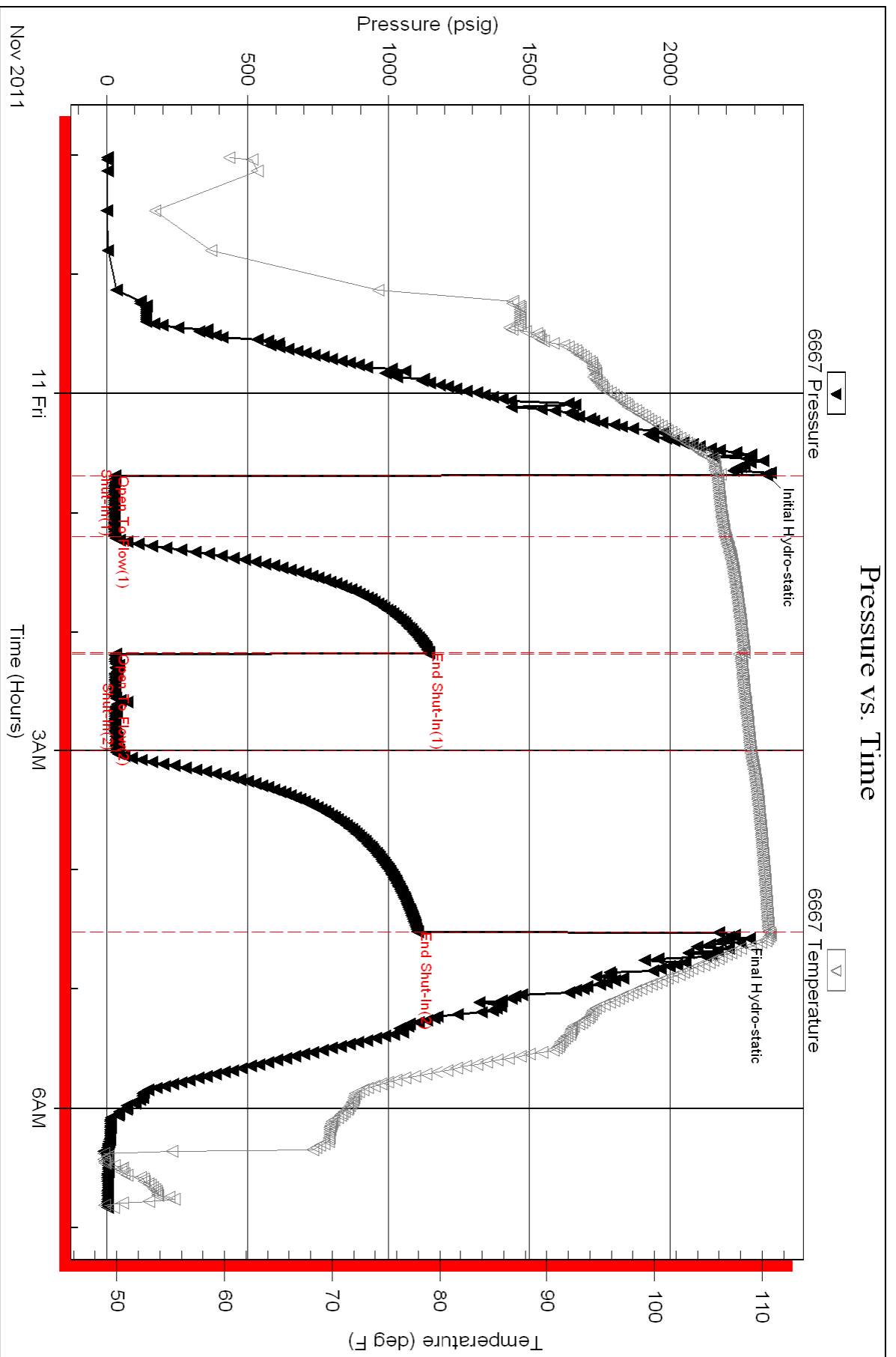
Serial #: 6667

Inside

Raymond Oil Co

GG Smith #2

DST Test Number: 3



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

January 19, 2012

Ted McHenry  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67202-1822

Re: ACO1  
API 15-203-20168-00-00  
G & G Smith 2  
SW/4 Sec.06-20S-35W  
Wichita 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,  
Ted McHenry