



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1091905
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: _____



1091905

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Max R. Lovely

Raymond Oil Co.

#1 Nuss 'A'

Wildcat

NW SE NE NE

35

13

32W

Logan

KS

KB

H2 #3

7-13-2012

7-23-2012

8 5/8" @ 241'

4745

4741

3390

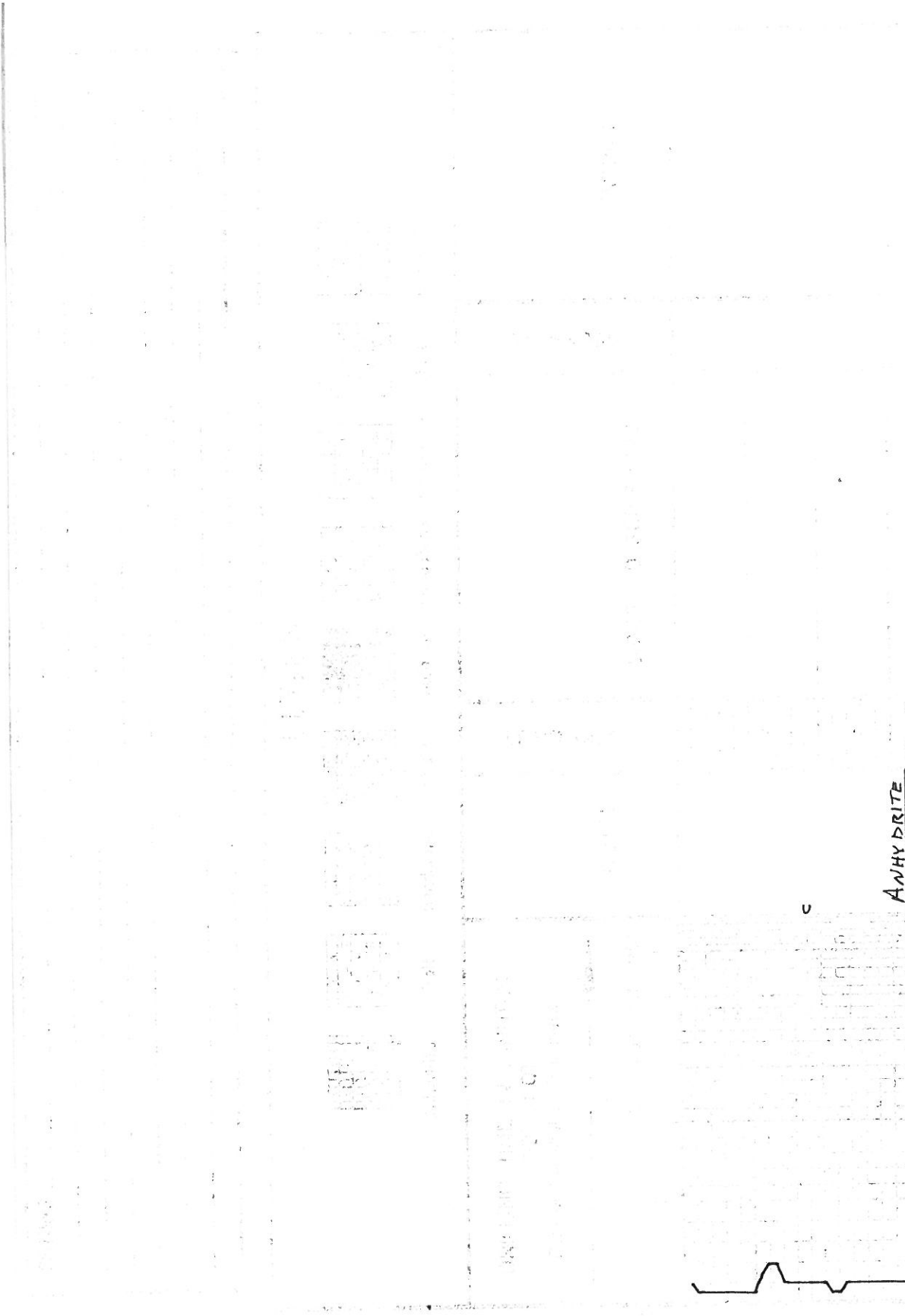
Chem

DI, MICRO
COMP N/D

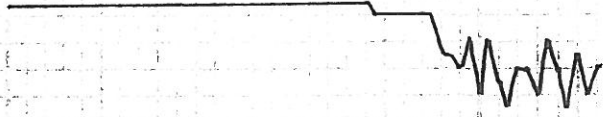
Base Anhydrite	2454	2448	498	497	497
Stoller	3571	3566	-620		-629
Heebner	3919	3915	-969	-974	-982
Lansing	3964	3957	-1011	-1021	-1025
Stark	4206	4201	-1255	-1280	-1269
Marmaton	4310	4307	-1361	-1366	-1368
Pawnee	4410	4410	-1464	-1462	-1465
Fl. Scott	4466	4457	-1511	-1516	-1519
Cherokee	4492	4486	-1540	-1546	-1547
Johnson	4532	4529	-1583	-1588	-1593
Base Johnson	4560	4553	-1607	-1615	-1621
Mississippi	4588	4583	-1637	-1648	-1651

Ritchie #2 Nuss Farms 36B 825'FNL, 365'FWL 36-13-32W

Raymond #1 Nuss 1980'FWL, 1420'FSL 35-13-32W



ANHYDRITE



c
2450
 BASE
 2454 + 492

5
 5
 5
 5
 5
 5
 5
 5

1
 1
 1
 1
 1
 1
 1

LS, LT + BK GRY, V F XT LN,
 BR TL, SL FOSS, No APPY, NS

SH, RED

LS, WHT / CRM, MXTLN, V GRNLR
TXT, SOFT, BRTL, NS

LS, WHT, TAN, A.A.

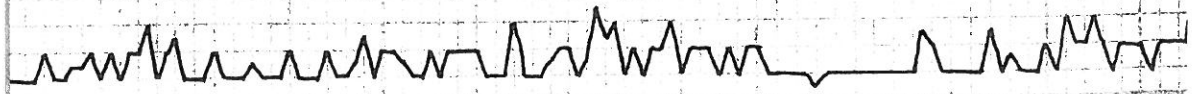
SLTSTN, GRY, ABON V F SMD
GRNS, NS

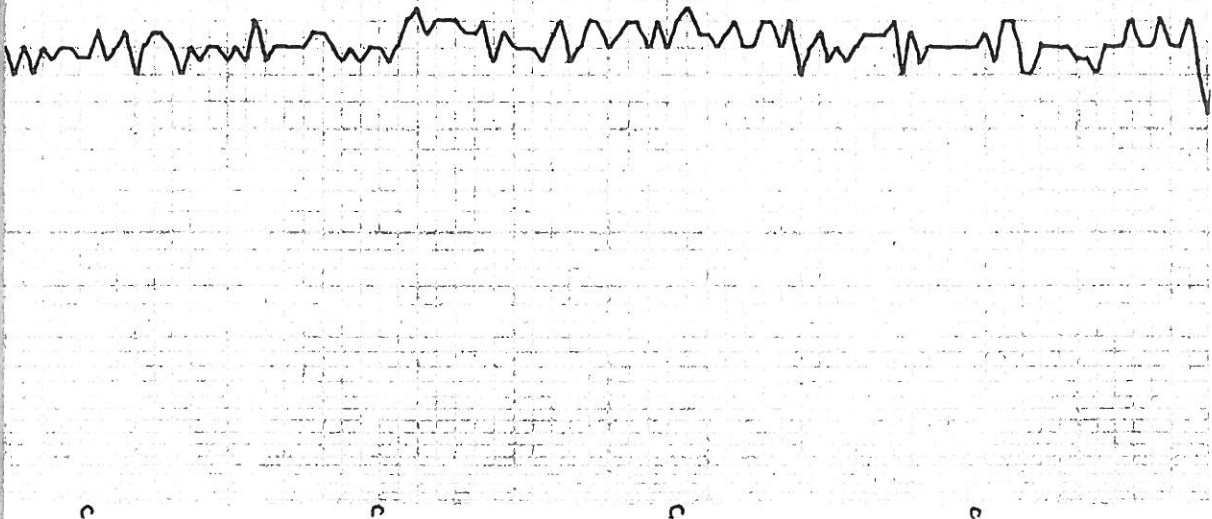
A.A.

LS, LT GRY, TAN, F → MXTLN,
CRS TXT, SOFT, P INT XTLND
NS

3500

SIOTLER
3571-625





3600

LS, TAN, CRM, FXTLN, SOFT,
SL FOSS, NS

LS, GRY, DK GRY, GRY/TAN,
FXTLN, MHRD, FOSS, NS

LS, LT GRY, V/F XTLN, DMS, HRD,
NO APPD, NS

LS, WHT, F → M XTLN, Pcs & RNLK,
TXT, SOFT, BR TL, NS

LS, GRY, V/F XTLN, VHRD,
ABUN FOSS, TTE, NS

LS, WHT, BLK MIN'S SPK'D W/LS,
MHRD, NS

3700

LS, WHT, V F XTLN, DNS, CRUMBL
NS

LS, TAN, V F XTLN, SLATY,
V HRD, DNS, TITE, NS

A.A.

CHT, WHT, FRESH

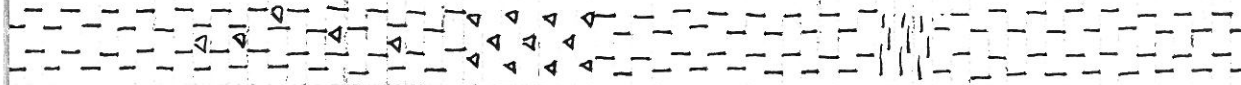
LS, WHT, F → M XTLN, SOFT,
BRITL, SET UNCONSOL FOSS,
GP, NS

LS, GRY, CRM, F → M XTLN, SOFT,
CRUMBL, SET FOSS, GP, NS

SH, GRY/GRN

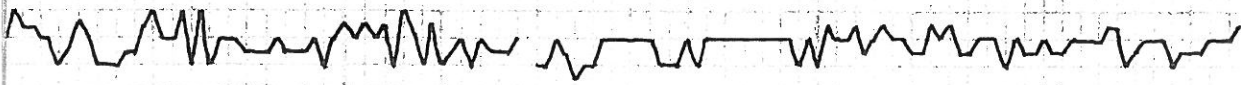
LS, DK GRY, V XTLN, FOSS,
HRD, G INT XTLN, NS

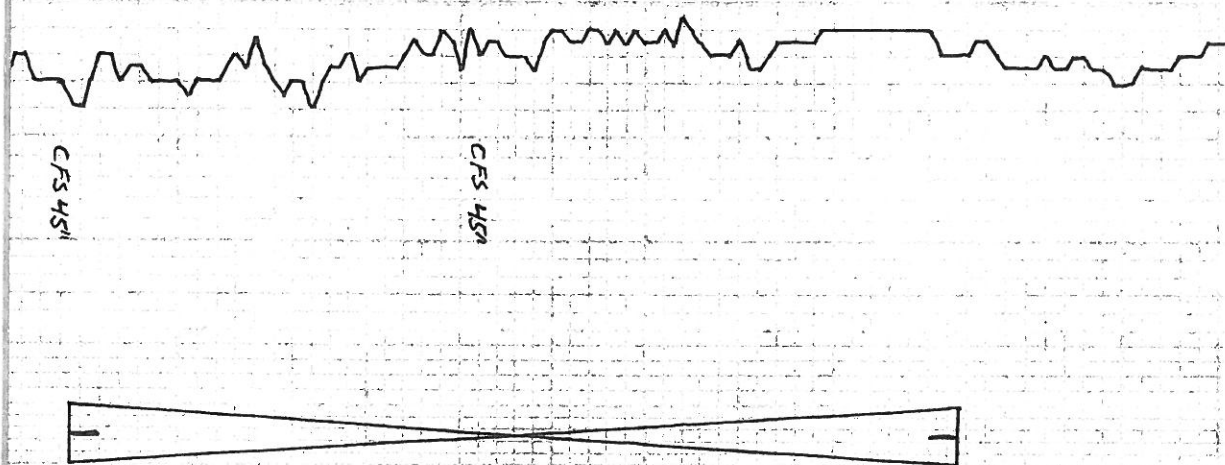
LS, BUFF, F → M XTLN, SOFT,
BRITL, CRUMBL, ROTTEN,
GP, NS, ? DD BRN STN



3800

← GEOLOGRAPH





L5, WHT / CRM, MXTLN, ABUN
 LG DOGS, F → G CNTD, NS,
 NS, CHLKY

SH, GRN
 L5, LTGRY, BUFE, VEXTLN, DNS,
 HRD, NO DR, NS

L5, BUFE, WHT, FXTLN, Pcs
 S → M HRD, 0 FILL PP, F → G
 FD ON BRK, NO VIS ENERGY
 NO ODOR, NO FLUOR

SH, GRN

L5, TAN, FXTLN, VHRD,
 V DNS, VFOS, TITE, NS

L5, BUFE, F → MXTLN, GRULR
 TX, MHRD, SCT TAN Δ, NS

L5, CRM, FXTLN, SOFT, CHLKY SL
 ABUN FLAKY BRW DD 0 STMG, RAINBOW
 NO ODOR, NO FLUOR

SH, BLK, CARB

L5, WHT, TAN, VEXTLN, SLFOS,
 MHRD, BRITL, V SCT CARB STMG
 NO ODOR, NO FO

L5, WHT, VEXTLN, HRD, G SCT 0
 COAT VUGS, M → DK BRN/FO ON
 BRK, GAS BLES, G LT SWEET
 ODR, HNY FLUDR STMG,
 RAINBOW
 LT ODOR

L5, WHT, BUFE, CRM, VEXTLN,
 HRD, DNS, TITE, FOS, NS

L5, WHT, FXTLN, VCHLKY, SOFT
 LT ODOR

MUD CHECK
 VIS 50 WT 9.1
 CHLDR 2200 LCM 2
 FLT 7.2

(25 STAND SHORT TRIP)
 DST#1 3867-3961
 30.60.45.90
 IF: BOB 12" 151: W588
 FF: BOB 11" FSI: W588
 REC: 80' GIP
 10' CO 60° API
 226' G+O CMW
 (2 1/2 G, 5 1/2 O, 49 1/2 W)
 248' O CMW
 (2 1/2 O, 90 1/2 W)
 310' MW - 98 1/2 W
 TOOL: 6 1/2 O, 92 1/2 W
 FP: 68-257, 269-413
 SIP: 1230 - 1224
 HP: 1887 - 1884

STRAP 3985.06
 BOARD 3988.60
 Short 3.54

7:AM 7-18-12
 61H W/BIT @ 3961'

3900

HEERWER
 3919 - 973

DEV 1°
 ANSLING
 3964 - 1018

4' FROM SURFACE LOOKS LIKE TO

THIN ZONE, LOOKS WET, V FEW GAS BUBS

LS, BUFF, VF XTLN, DNS, S → M HRD, ? FRAC, NS

LS, TAN, VF XTLN, V DNS, V HRD, TITE, SL FOSS, NS

LS, CRM, BUFF, VF XTLN, CMT'D DOOLS + FOSS FRAGS, PCS V HRD W/ FOOL FILL DOOL, PCS SOFT, BRTL W/G O FILL DOOL, BRN

SL CASSY FO ON BRK, SCT FB IN TRAY, LT → M BRN OIL

LS, BUFF, VF XTLN, DNS, HRD, NS TITE

LS, CRM, BUFF, SHOW A.A., SOFTER IMCR GAS SHOW

LS, TAN, VF → F XTLN, DNS, HRD, TITE, NO FOSS, NS

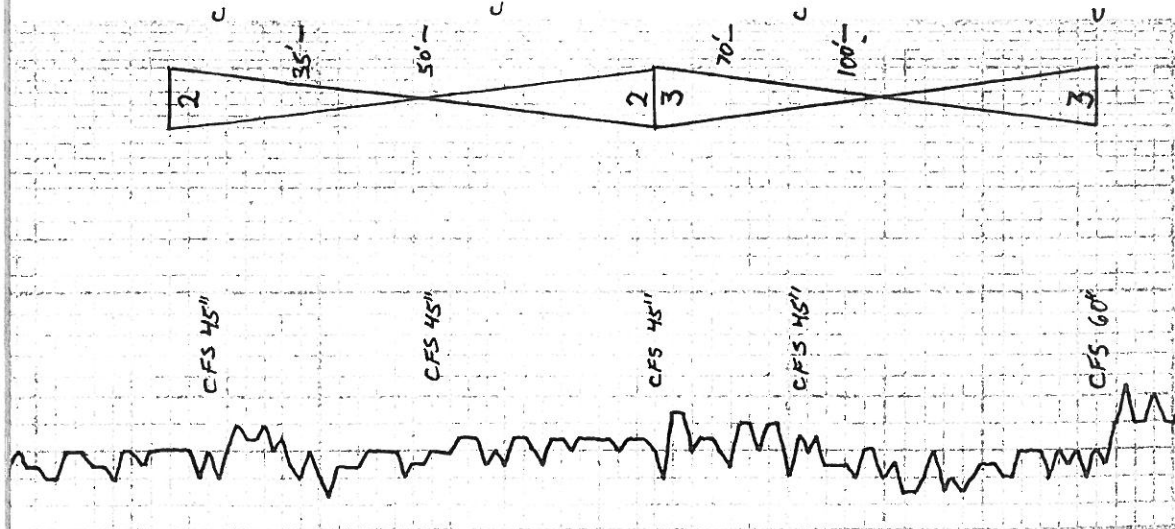
SH, GRY LS, BUFF, F XTLN CMT'D DOOLS + FOSS FRAGS, HARD, NO APPR NS

LS, WHIT, F XTLN, M → V HRD, DNS, TITE, NS

D OIL, BRN, TAN, M XTLN, F GRNLR G ODDR TXT, G EVEN FLUOR O SAT STAG SLEED MICRO FLUOR FO DROPS THROUGH, G LG LT BRN FO ON BRK, SCT O FILL FRAC

LS, WHIT, GRY, F XTLN, DNS, M HRD, NO FOSS, NS

LS WHIT, AA., CHLKY



4000

MUD CHECK
VIS 52 WT 9.3
CHLOR 3,000 LCM 2
FILT 8.8

DST #2 3984-4036
30.60.45.90
IF: 4 1/2" ISI: VW1588
FF: 4 1/4" FSI: VW1588
REC: 72' WIM W/OIL SCUM
43% W, 57% M

186' MW 64% W, 36% M
27,000 CHLOR
TOOL: 2 1/2", 36% W, 62% M
FP: 35-94, 98-158
SIP: 1146-1116
HP: 1921-1921

7 AM 7-19-12
CFS @ 4051'
MUD CHECK

VIS 57 WT 9.2
CHLOR 4,000 LCM 2
FILT 7.6

DST #3 4036-4082
30.60.45.90
IF: 1 1/2" ISI: VW1588
FF: BOB 45 MIN FSI: VW1588

4100

LS, LT GRV, VF XTLN, V DMS,
V HRD, NO FOSS, TITE, MS

A.A.

MURKIE SH
122-1176

SH, BLK
LS, GRV, VF XTLN, DMS + HRD,
TITE, MS

SH, GRV

LS, TAN, VF XTLN, V DMS +
HRD, TITE, MS

CNT, WHT, SL FOSS, SHARP

LS, BRN, F XTLN, V HRD, DMS,
VF FOSS W/W, NO APP, MS

LS, TAN, VF XTLN, M HRD, V FOSS,
W CNT'D, NO APP, CHKY

LS, TAN, VF XTLN, CNT'D OOL, SL
BRITL, V HRD, NO APP, MS

LS, WHT, F XTLN, LG FOSS W/W
V BRITL, FRAC'D, MS
SKTSTN, GRV, GRN, V SMDY, MS

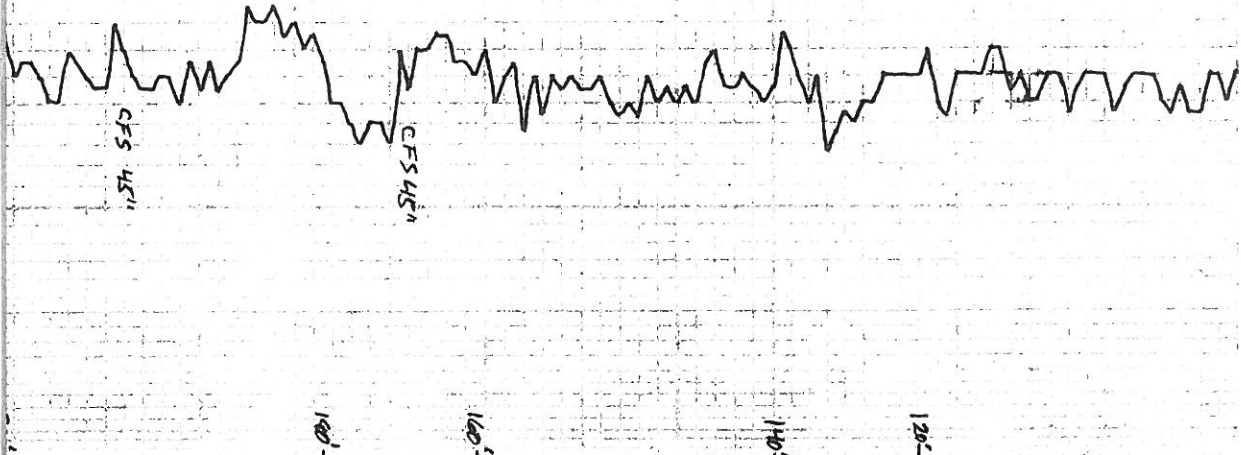
LS, TAN, V OOL, W CNT'D OOL,
M HRD, NO VIS P, US

SH, BLK, CARB

LS, TAN, VF XTLN, DMS + HRD,
LS, WHT, CHKY W/MB PYRITE

4200

STARK
4206-1260



REC: 10' CO 27° API

5' OCMW 14% O, 28% W

12' WM 49% W

310' SW 26,500 CHOR

TOOL: 6/10, 50% W, 44% M

FP: 41-173, 180-234

SIP: 1136-1128

HP: 1934-1933

MUD CHECK

VIS 66 WT 9.3

CHOR 3000 LCM 2

FILT 8.8

7:AM 7-20-12

DRLG @ 4148'

LS. GRY. SL DOLO, F GRNLR,
FAIRLY DNS, HRD, NS

LS. BUFF. TAN, A.A.

SH, BLK

LS, TAN, BUFF, VF XTLN,
DNS, HRD, NO APP P, NS

A.A.

SS, VF GRNS, FRIABLE, D SAT STNG SAT STN
FLUOR STN + PP FO, BRN STNT G ODD
OIL, UG DL ON BRK, G ODD

LS, BUFF/WHT, VF XTLN

SH, GRN, GRN/BLK

SILTSS, BRN, TAN, CHLKY,
SILTY, G O, FRIABLE, NS

LS, TAN, VF XTLN, ABUN FOSS,
CASTS, TITE, NS

LS, TAN, CRM, VV HRD, V DNS,
PCS CUBIC XTLN, TITE, NS

LS, WHT, CHLKY, SHLY, CRUMBLY,
F INT XTLN P, NS

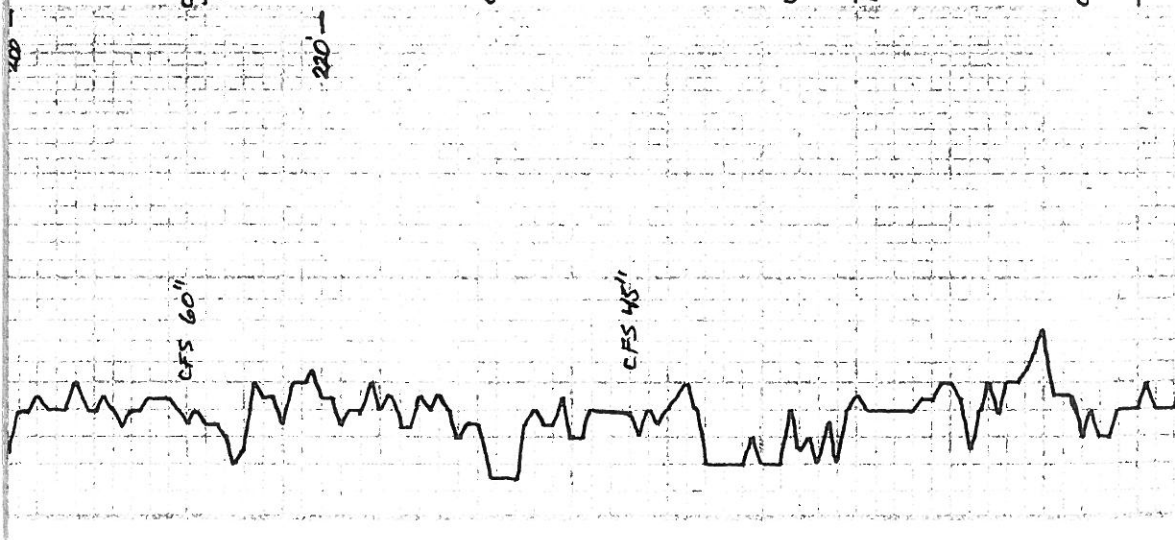
LS, WHT, CRM, V FOSS, W CNTD,
FOSS, TITE AC

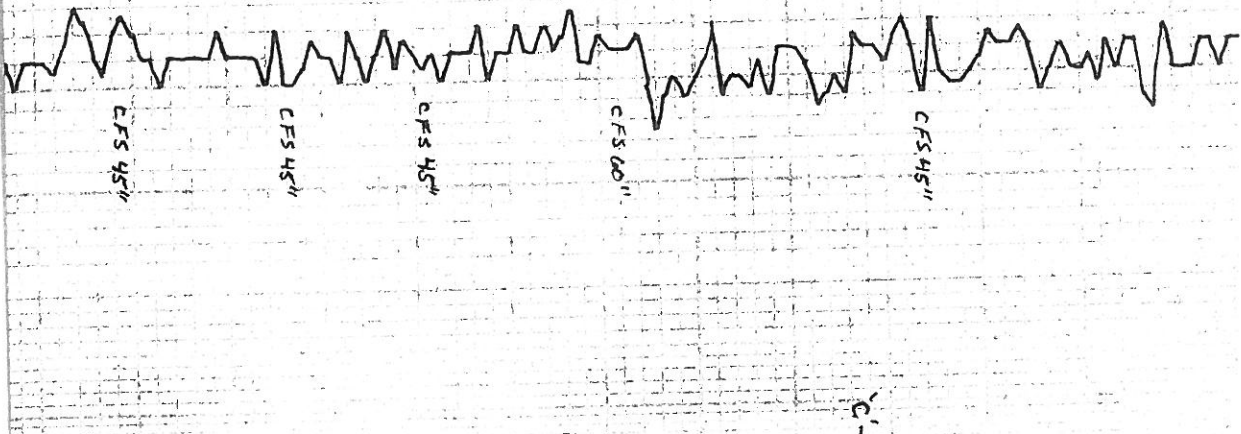
FLUSHBROCKNEY
4242 - 1296

4300

MARMATON
4310 - 1364

ALTAMONT
4340 - 1394





| | |
 Δ Δ Δ CHT, TAN, FRESH, SPART,
 Δ Δ Δ CHT, WHT, BONE, TAN, FRESH
 Δ Δ Δ
 Δ Δ Δ
 Δ Δ Δ
 Δ Δ Δ SH, GRY, GRN

MUD CHECK
 VISS7 WT 9.4
 CHLOR 3,500 LCMIZ
 FILT 9.6

4400

PAWNEE
 4410 - 1464

Δ Δ Δ SH, GRY
 Δ Δ Δ CHT, WHT, MILKY, SL FOSS,
 Δ Δ Δ FRESH, SL BT4Q
 Δ Δ Δ LS, BRN, V FXTLN, V HRD, V FOSS,
 Δ Δ Δ VW CMT'D FOSS, TITE, NS

7:AM 7-21-12
 DRLG@ 4397'

MYRIC
 4441 - 1495

| | | SH, BLK, GRY
 | | | LS, BRN, V FXTLN, V HRD,
 | | | V FOSS, VW CMT'D FOSS, TITE
 | | | CHT CMT, NS
 | | | LS, TAN, FXTLN, HRD, SCT FOSS
 | | | NO VIS Ø, NS

FT SCOTT
 4466 - 1520

| | | SH, BLK, CARB
 | | | LS, WHT, FXTLN MATRIX,
 | | | V DOL, VW CMT'D FOSS,
 | | | NO VIS Ø, NS

MUD CHECK

MUD CHECK
VIS 58 WT 9.2
CHLOR 3,000 LCM 2
FILT 8.0

LS, WHI, TAN, FXTLM, V FOSS,
ATY, TITE, NS

SH, BLK
LS, WHI, CHLK, PES LG OOL
GRNS W/N, NS

LS, WHI, V FXTLM, DMS, TITE
HRB, NS

LS, TAN, FXTLM, DMS, V HRD, NS

LS, CRM, V FXTLM, DMS, HRD,
TITE, SL SCT CHLK, NS

LS, WHI, LT GRY, V FXTLM,
HRD, BRITL, SL FOSS, V PP
NS

SH, VARI COLOR, MUSTARD

SH, BRN/GRY, V SNDY, SOFT

SS, WHI, CMT, M GRNS, SOFT,
SUBRND GRNS G D, NS

LS, WHI, CRM, TAN, V FXTLM,
DMS, HRD, SL ATY, TITE, NS

DOLD, WHI, G RMY, SL SUCR,



C CHEROKEE
4492 - 1546

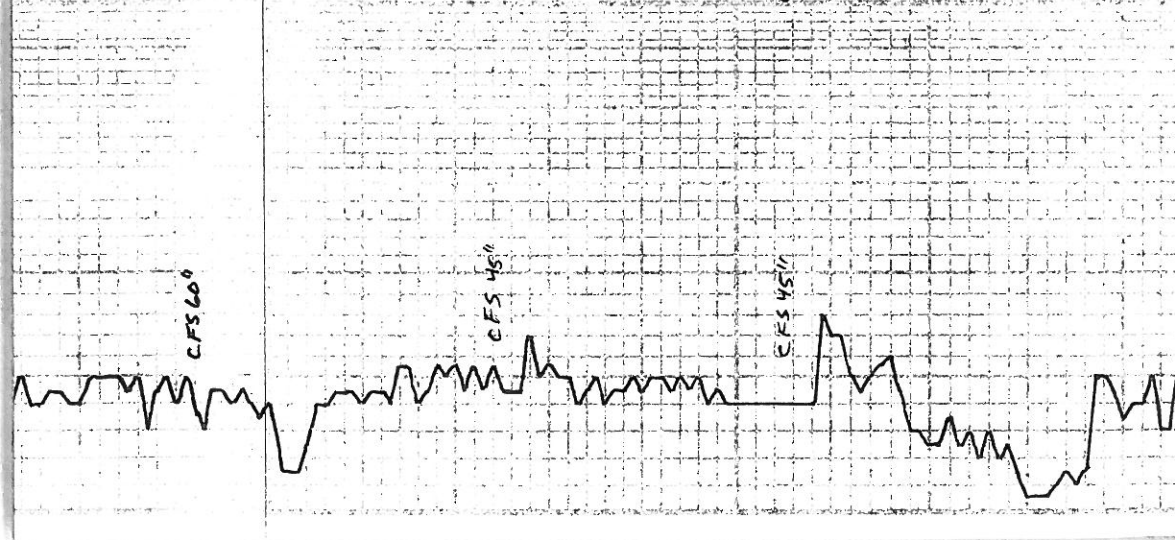
4500

C JOHNSON
4532 - 1586

C BASE
4560 - 1614

MORROW
4567 - 1621

C MISS
4588 - 1642



CFS 4500

CFS 4510

CFS 4511

CFS 60'

4600

LS, WH, FXTLN, SL FOSS,
HRD, TITE, NS

LS, BUFE, FXTLN, 'ALGA' →
F FOSS, HRD, ND φ, NS

DOLD, BUFE, V SWDY, DOLD CNT LG
CLR SWD GRMS LAYER @, PCS
G LAYER φ, ? GAS BBLIS, ? DBOE

DOLD, AA, V HRD, DMS, NS

LS, TAN, BUFE, VXTLN, V DMS
CHT LOOKING, TITE, NS

LS, BUFE, FXTLN, LG XTLS W/
HRD, DMS, FEW FOSS, mostly
TITE, NS

LS, BUFE, GRMLR TXR, V FOSS
S → m HRD, CHLKY, F GRMLR
φ, NS

A. A.

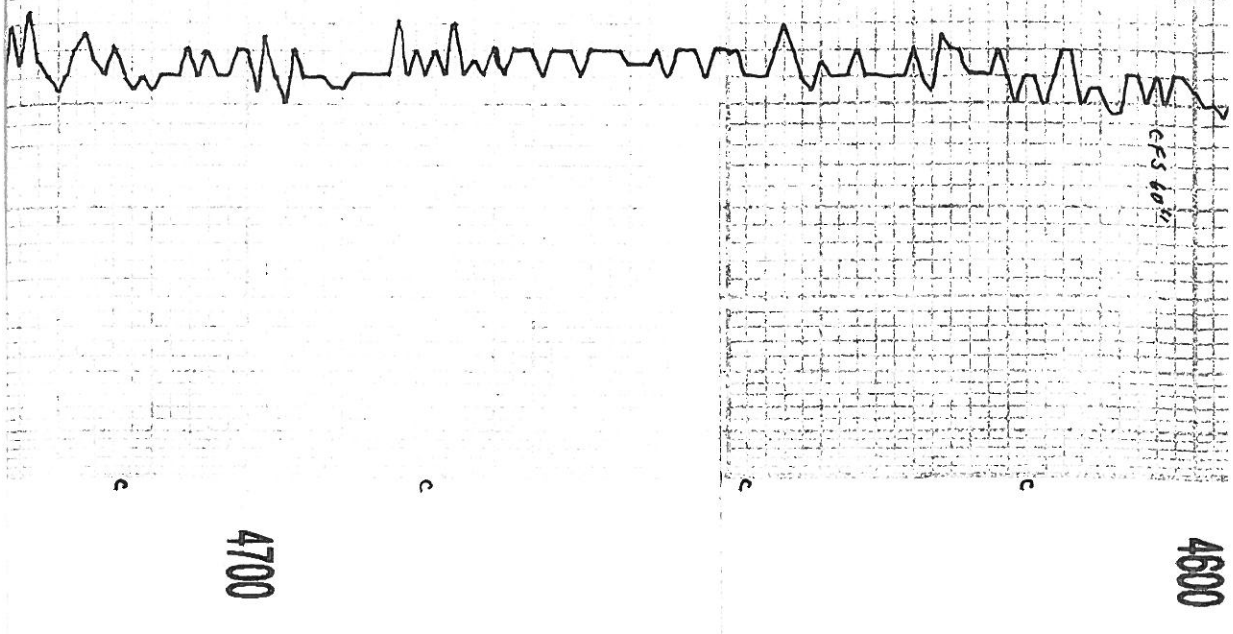
CHT, CLR, VXTLN

4700

LS, GRY, TAN, VXTLN, V DMS,
V HRD, TITE φ, NS
LS TAN, WH, V FOSS + DOL, F → W
CNT B, SL CHLKY, G φ, NS
DOLD, TAN, VF → SUCR GRMS,
S → m HRD, G φ, NS

SH, VARICOLOE

7:AM 7-22-12
CIRC @ H604'





e-TD-



WILLIAMSON'S
HBS, NO VIS PMS
SH, VARI COLOR



**DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043**

Company Name RAYMOND OIL COMPANY
Contact TED MCHENRY
Well Name NUSS 'A' #1
Unique Well ID DST #1 TARKIO/TORONTO 3,867' - 3,961'
Surface Location SEC 35-13S-32W LOGAN CO., KS
Field WILDCAT

Test Information

Job Number
Test Unit NO. 5
Representative ROGER D. FRIEDLY
Well Operator RAYMOND OIL COMPANY
Report Date 2012/07/18
Prepared By ROGER D. FRIEDLY
Qualified By MAX LOVELY

Test Type CONVENTIONAL
Formation DST #1 TARKIO/TORONTO 3,867'-3,961'
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Start Test Date 2012/07/17 **Start Test Time** 20:10:00
Final Test Date 2012/07/18 **Final Test Time** 06:09:00

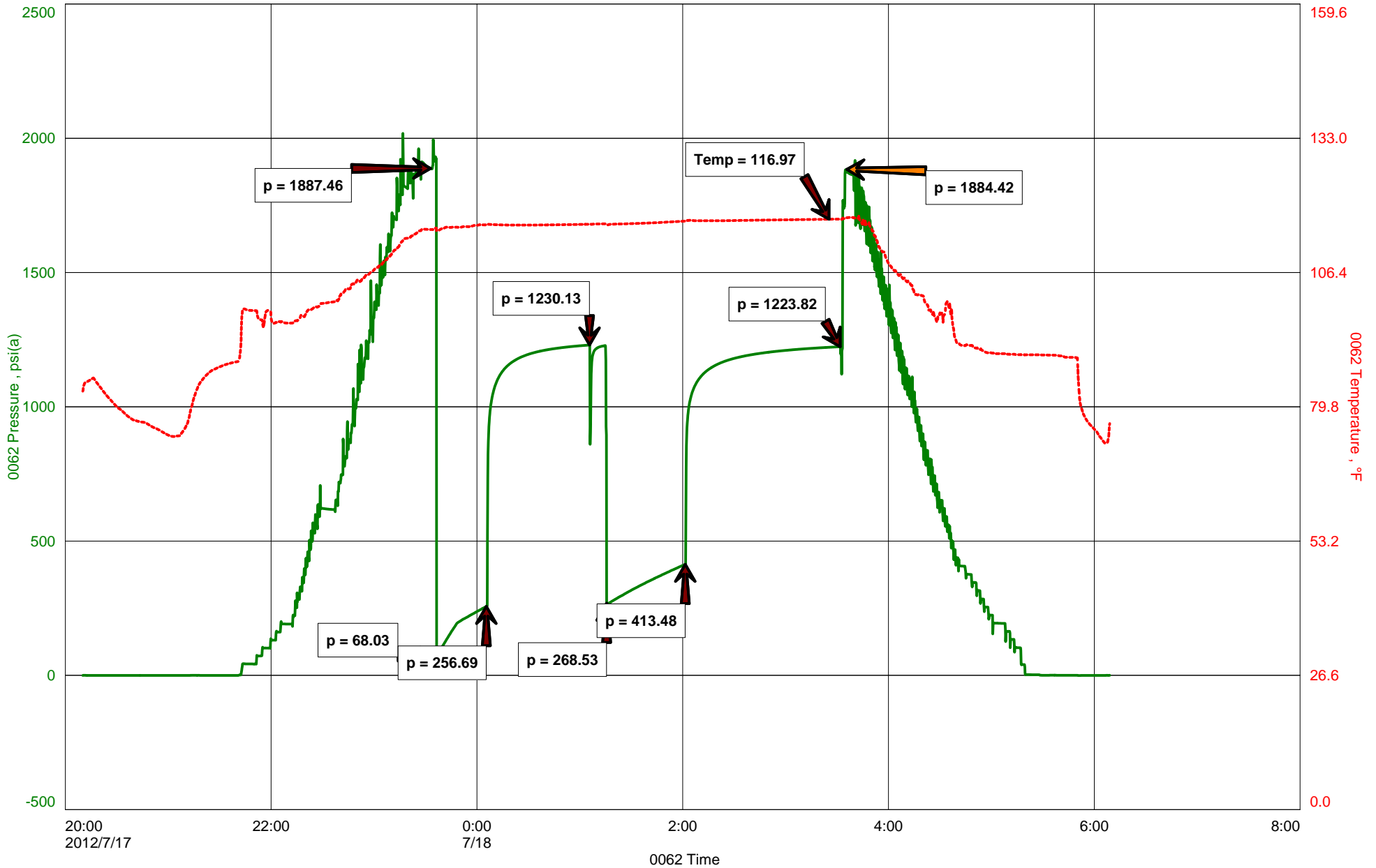
Remarks

RECOVERED: 80' GAS IN PIPE
10' CLEAN OIL 23.8 GRAVITY @ 60 deg.
226' G&OCMW 2% GAS, 5% OIL, 49% WTR, 44% MUD
248' OCMW 2% OIL, 90% WTR, 8% MUD
310' MW 98% WTR, 2% MUD
794' TOTAL FLUID

TOOL SAMPLE: 6% OIL, 92% WTR, 2% MUD

CHLORIDES: 48,000 Ppm
PH: 7.0
RW: .14 @ 70 deg.

NUSS 'A' #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043**

Company Name RAYMOND OIL COMPANY
Contact TED MCHENRY
Well Name NUSS 'A' #1
Unique Well ID DST #2 LANSING 35', 50' 3,984' - 4,036'
Surface Location SEC 35-13S-32W LOGAN CO., KS
Field WILDCAT

Job Number NO. 5
Test Unit ROGER D. FRIEDLY
Representative RAYMOND OIL COMPANY
Well Operator 2012/07/19
Report Date ROGER D. FRIEDLY
Prepared By MAX LOVELY
Qualified By

Test Information

Test Type CONVENTIONAL
Formation DST #2 LANSING 35', 50' 3,984' - 4,036'
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Start Test Date 2012/07/18 **Start Test Time** 18:20:00
Final Test Date 2012/07/19 **Final Test Time** 03:29:00

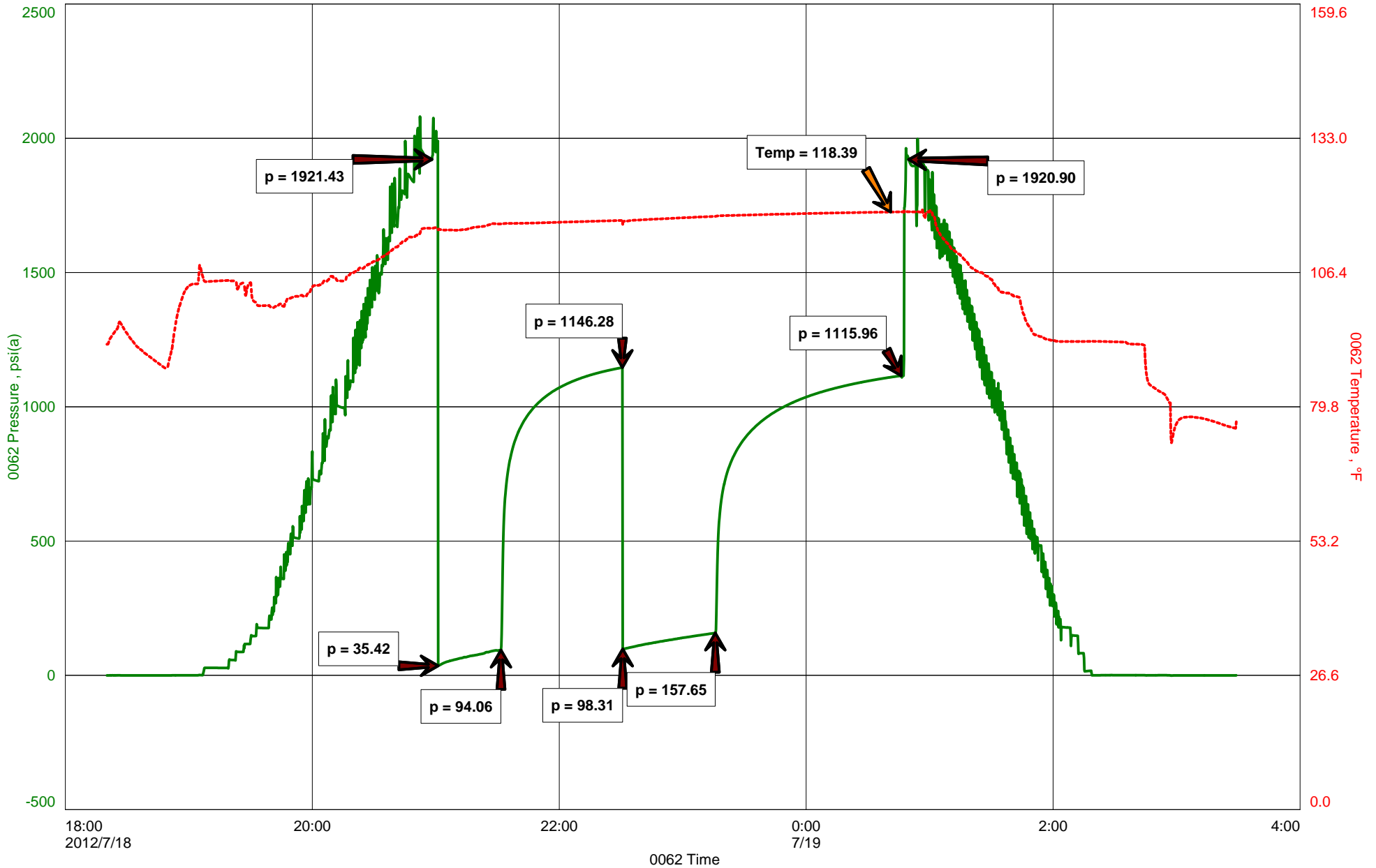
Remarks

RECOVERED: 72' WM 43% WTR, 57% MUD - SCUM OF OIL
186' MW 64% WTR, 36% MUD
258' TOTAL FLUID

TOOL SAMPLE: 2% OIL, 36% WTR, 62% MUD

CHLORIDES 27,500 Ppm
PH: 9.0
RW: .20 @ 75 deg.

NUSS 'A' #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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**DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043**

Company Name RAYMOND OIL COMPANY
Contact TED MCHENRY
Well Name NUSS 'A' #1
Unique Well ID DST #3 LANSING 100' 4,036' - 4,082'
Surface Location SEC 35-13S-32W LOGAN CO., KS
Field WILDCAT

Job Number NO. 5
Test Unit
Representative ROGER D. FRIEDLY
Well Operator RAYMOND OIL COMPANY
Report Date 2012/07/19
Prepared By ROGER D. FRIEDLY
Qualified By MAX LOVELY

Test Information

Test Type
Formation CONVENTIONAL
Test Purpose Initial Test
Well Fluid Type 06 Water
H2S

Start Test Date 2012/07/19 **Start Test Time** 12:40:00
Final Test Date 2012/07/19 **Final Test Time** 21:38:00

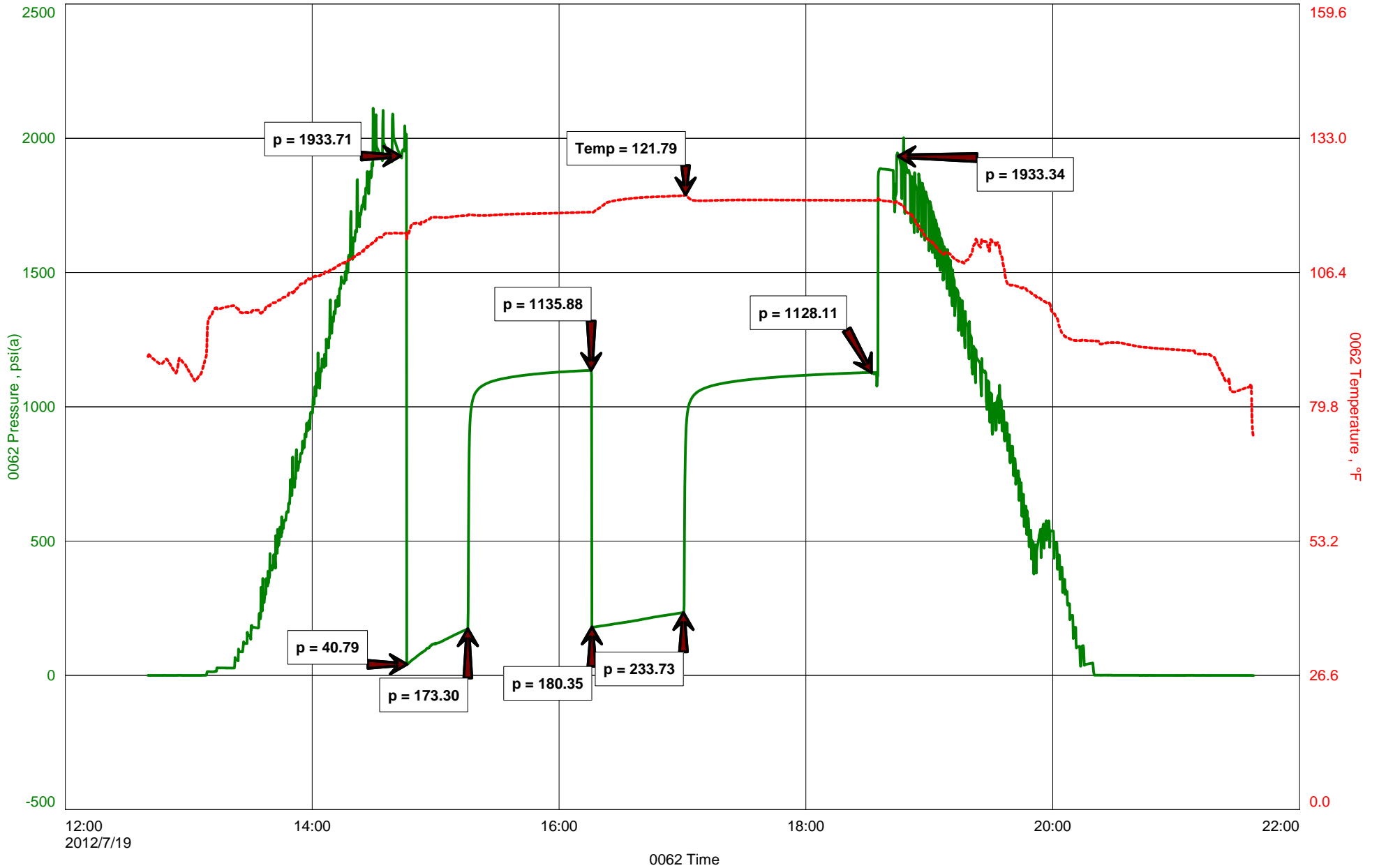
Remarks

RECOVERED: 10' CLEAN OIL 27.4 GRAVITY @ 60 deg.
5' OCWM 14% OIL, 28% WTR, 58% MUD
124' WM 49% WTR, 51% MUD - SCUM OF OIL
310' SW
449' TOTAL FLUID

TOOL SAMPLE: 6% OIL, 50% WTR, 44% MUD

CHLORIDES: 28,500 Ppm
PH: 8.0
RW: .13 @ 92 deg.

NUSS 'A' #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 06, 2012

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

Re: ACO1
API 15-109-21109-00-00
Nuss A 1
NE/4 Sec.35-13S-32W
Logan 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



TICKET NUMBER 36725
 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
7-13-12	7158	Nuss A-#1	35	13	32	logan ^{KS}
CUSTOMER		OAKLEY		TRUCK # DRIVER TRUCK # DRIVER		
Raymond Oil Co.		S-Navaho Rd		463 Jerry W		
MAILING ADDRESS		314 E		460 Joe B		
CITY		S W				
STATE		ZIP CODE				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 241' CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 241' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14-7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
 DISPLACEMENT 14 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on H2+3. Rig up and circulate. Mix 180 SKS class 'A' 3 3/8 cc 2 2 cc. Displace 14 BBL and shut in. Cement did circulate approx 4 BBL to pit.

Thanks Fuzzy & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085.00	1085.00
5406	20	MILEAGE	5.00	100.00
5407	8.46 ton	Tow mileage delivery (return)	410.00	410.00
11045	180 SKS	Class 'A' cement	17.62	3171.60
1102	508#	Calcium chloride	1.89	452.12
1118B	338#	Benlonite	1.25	845.00
		subtotal		5308.62
		less 10% discount		5308.62
		subtotal		4777.56
SALES TAX				260.70
ESTIMATED TOTAL				5038.46

Ravin 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

251251