



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: _____



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 Bbbs.	Gas Mcf	Water Bbbs.	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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Crawford Oil & Gas Co LLC
Well Name	Zimmerman 1-24
Doc ID	1108530

All Electric Logs Run

CDL
CNL
PE
MEL
Sonic

Form	ACO1 - Well Completion
Operator	Crawford Oil & Gas Co LLC
Well Name	Zimmerman 1-24
Doc ID	1108530

Tops

Name	Top	Datum
Stone Corral	2291	+549
Base	2316	+524
Topeka	3642	-802
Lansing	3904	-1064
BKC	4216	-1376
Cherokee	4419	-1579
Johnson	4465	-1625
Mississippian	4492	-1652

OPERATOR

Company: CRAWFORD OIL AND GAS CO., LLC
 Address: P.O. BOX 1366
 EL DORADO, KS 67042-1366

Contact Geologist:
 Contact Phone Nbr: 316-377-3373
 Well Name: ZIMMERMAN 1-24
 Location: 2617 FSL, 622 FEL, SEC 24-T13S-31W API: 15-063-22032-0000
 Pool: OIL PRODUCER Field: WILDCAT
 State: KANSAS Country: GOVE

Scale 1:240 Imperial

Well Name: ZIMMERMAN 1-24
 Surface Location: 2617 FSL, 622 FEL, SEC 24-T13S-31W
 Bottom Location:
 API: 15-063-22032-0000
 License Number:
 Spud Date: 8/9/2012 Time: 2:45 PM
 Region: NW KANSAS
 Drilling Completed: 8/18/2012 Time: 3:05 AM
 Surface Coordinates: Y = 221587 & X = 1229816
 Bottom Hole Coordinates:
 Ground Elevation: 2835.00ft
 K.B. Elevation: 2840.00ft
 Logged Interval: 3450.00ft To: 4590.00ft
 Total Depth: 4590.00ft
 Formation: MISSISSIPPIAN
 Drilling Fluid Type: CHEMICAL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: 100.422644 Latitude: 38.543656
 N/S Co-ord: Y = 221587
 E/W Co-ord: X = 1229816

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size	12.25 in		7.88 in		
Hole Size	12.25 in		7.88 in		
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	217 ft		5	
Int Casing					
Prod Casing	5.5 in	4589 ft	15#		8/19/2012 4:00 AM

CASING SEQUENCE

Type	Hole Size	Casing Size	At
SURFACE	12.25 in	8.63	217.00 ft
PRODUCTION	7.88 in	5.50	4589.00 ft

CONTRACTOR

Contractor: WW DRILLING
 Rig #: 8
 Rig Type: DOUBLE
 Spud Date: 8/9/2012 Time: 2:45 PM
 TD Date: 8/18/2012 Time: 3:05 AM
 Rig Release: 8/19/2012 Time: 6:00 AM

LOGGED BY

Company: LARRY P. FRIEND
 Address: 1639 BURNS
 WICHITA, KS 67203-2757

OPEN HOLE LOGS

Logging Company: SUPERIOR
 Logging Engineer: JEFF LUBBERS
 Truck #:
 Logging Date: 8/18/2012
 # Logs Run: 4
 Time Spent: 5.25
 # Logs Run Successful: 4

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DI	4590.00ft	0.00ft	0.00		1
CND W/PE	4590.00ft	3400.00ft	0.00		1
SONIC	4590.00ft	217.00ft	0.00		2
MICRO	4590.00ft	3400.00ft	0.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
8/13/2012	4590.00ft	0.00ft	

FORMATION DEPTHS

FORMATION TOPS	SAMPLE	LOG	COMPARISON TO: SHAKESPEARE OIL CO., INC. PARSONS 1-27 S/2 SE NE, 27-13S-31W
STONE CORRAL	2291 (+549)	2291 (+549)	+25
BASE	2316 (+524)	2316 (+524)	+26
STOTLER	3510 (-670)	3507 (-667)	+2
TOPEKA	3644 (-804)	3642 (-802)	+4
HEEBNER SHALE	3860 (-1020)	3857 (-1017)	+15
LANSING	3906 (-1066)	3904 (-1064)	+10
MUNCIE CREEK	4050 (-1210)	4047 (-1207)	+19
STARK SHALE	4138 (-1298)	4136 (-1296)	+26
BKC	4220 (-1380)	4216 (-1376)	+24
MARMATON	4242 (-1402)	4238 (-1398)	+31
MYRICK STATION	4373 (-1533)	4369 (-1529)	+37
"CHEROKEE"	4422 (-1582)	4419 (-1579)	+36
JOHNSON ZONE	4466 (-1626)	4465 (-1625)	+39
BS. PENN. LIME	4484 (-1644)	4482 (-1642)	+42
MISSISSIPPIAN	4492 (-1652)	4492 (-1652)	+83

DRILLSTEM TESTS

No	Interval	Formation
1	3927 - 3948	LANSING "C" ZONE
2	3976 - 3993	LANSING "E" ZONE
3	4052 - 4124	KANSAS CITY "H", "I" AND "J" ZONES
4	4136 - 4164	KANSAS CITY "K" ZONE
5	4443 - 4481	JOHNSON ZONE

NOTES

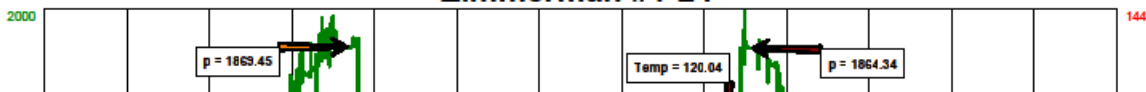
It was decided to run production casing to produce the Johnson Zone and the "J" Zone in the Kansas City.

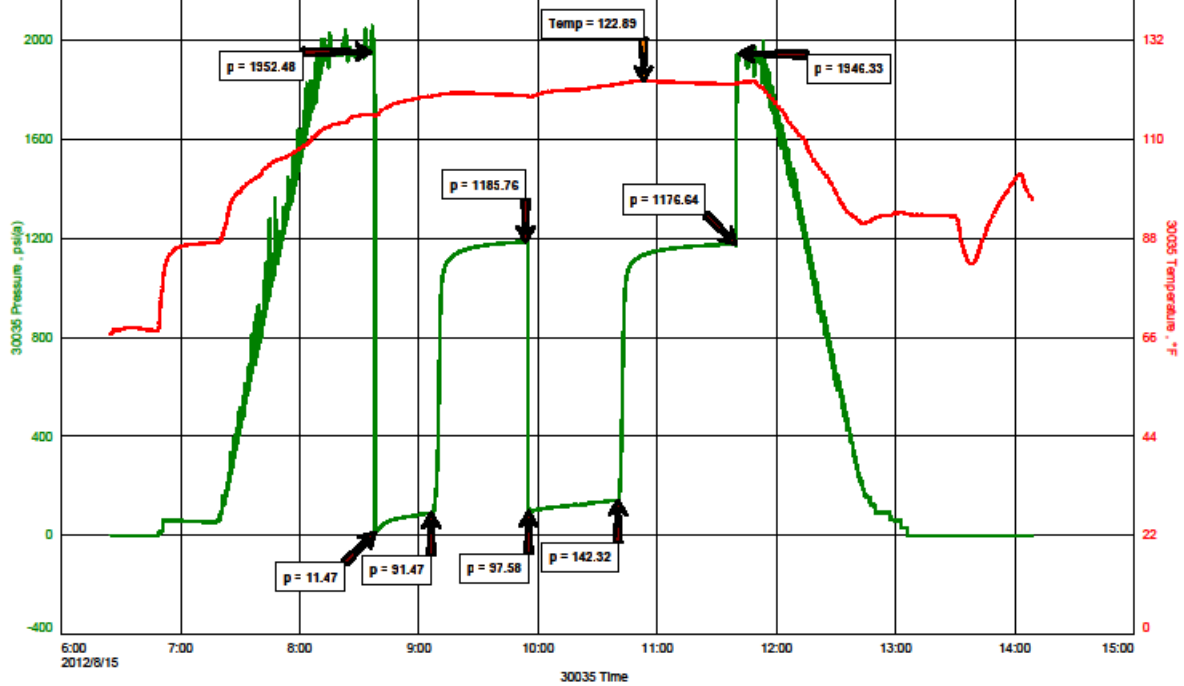
DST #1 CHART - LANSING "C" ZONE

Crawford Oil & Gas Co. LLC
 DST #1 Lansing C. 3927-3948'
 Start Test Date: 2012/08/13
 Final Test Date: 2012/08/14

Zimmerman #1-24
 Formation: DST #1 Lansing C. 3927-3948'
 Pool: Wildcat
 Job Number: S0197

Zimmerman #1-24





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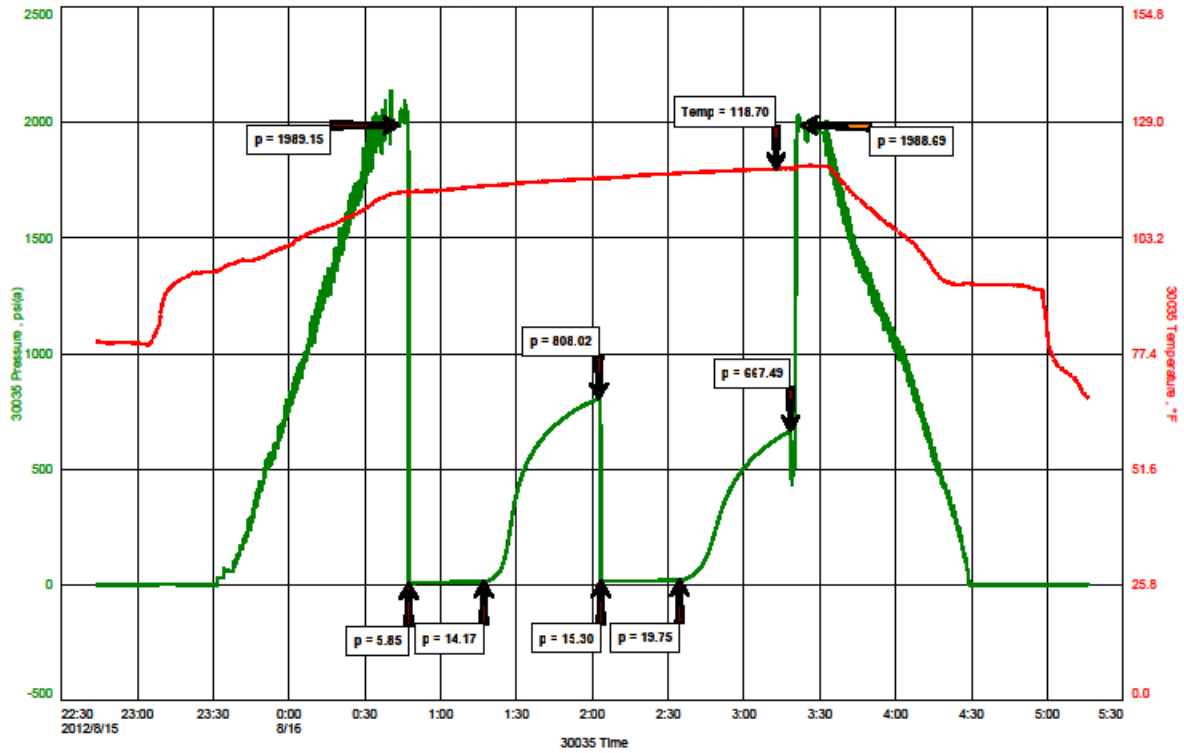
Fast

DST #4 CHART - KANSAS CITY "K"

Crawford Oil & Gas Co LLC
 DST #4 Lansing "K" 4136-4164'
 Start Test Date: 2012/08/15
 Final Test Date: 2012/08/16

Zimmerman # 1-24
 Formation: DST #4 Lansing "K" 4136-4164'
 Pool: Wildcat
 Job Number: S0200

Zimmerman # 1-24



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Fast

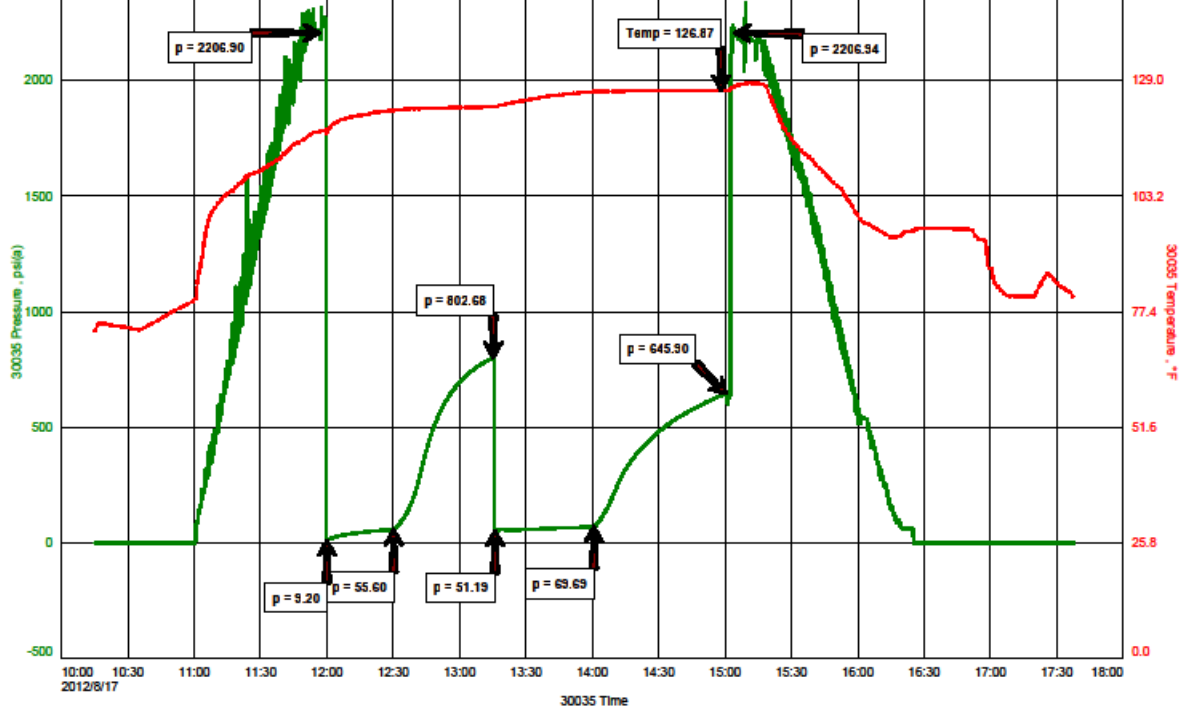
DST #5 CHART - JOHNSON ZONE

Crawford Oil & Gas Co. LLC
 DST #5 Johnson 4443-4481'
 Start Test Date: 2012/08/17
 Final Test Date: 2012/08/17

Zimmerman #1-24
 Formation: DST #5 Johnson 4443-4481'
 Pool: Wildcat
 Job Number: S0201

Zimmerman #1-24





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ROCK TYPES

- | | | | |
|--------|-----------|------|-------|
| Coal | Lmst fw<7 | Ss | Shcol |
| Dolsec | Lmst fw>7 | Shgy | Sltst |

ACCESSORIES

MINERAL

- Carbonaceous Flakes
- ▲ Chert, dark
- △ Dolomitic
- Sandy
- ∧ Siliceous
- Silty
- △ Chert White

FOSSIL

- ◇ Oolite
- Oolites

OTHER SYMBOLS

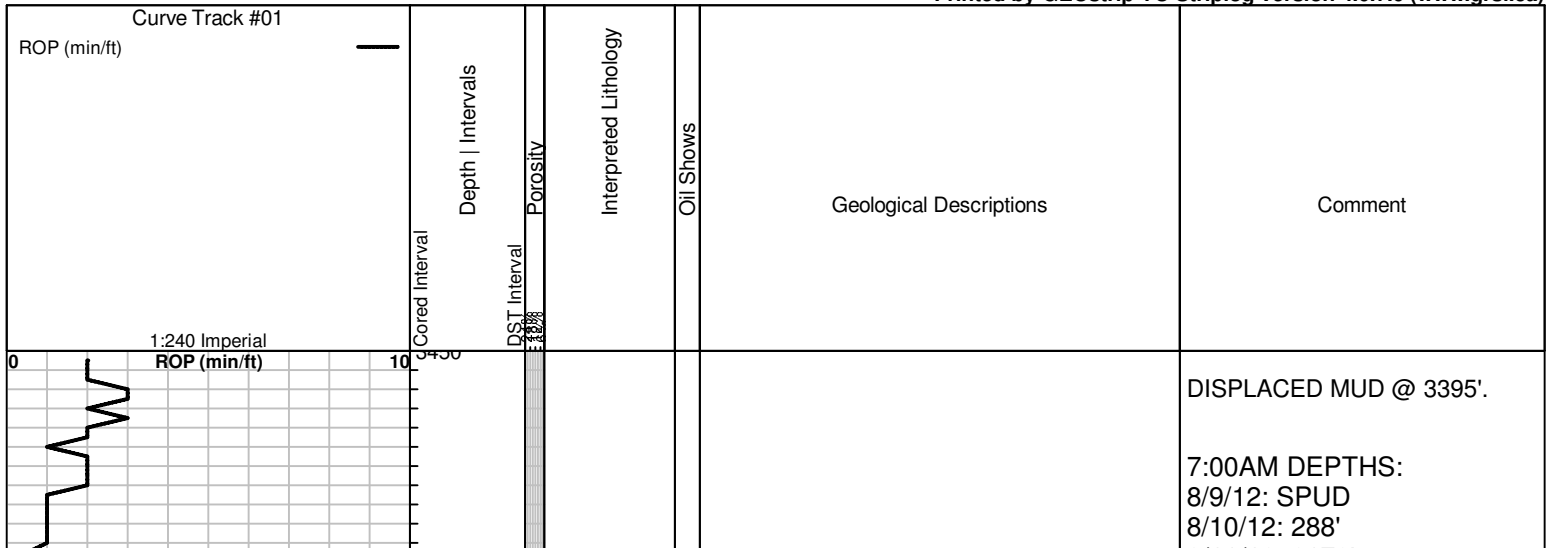
OIL SHOWS

- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

INTERVALS

- Core
- DST

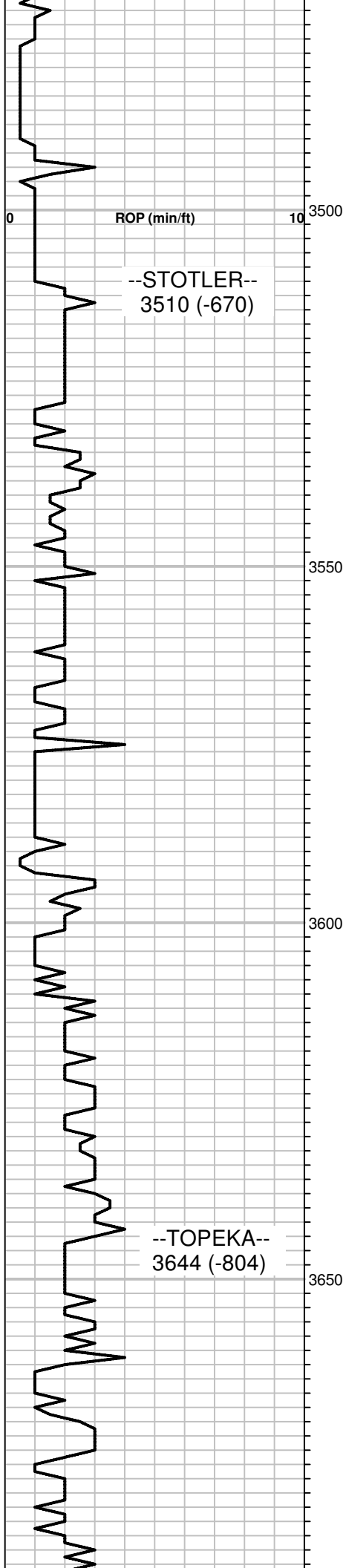
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)



8/11/12: 2170'
 8/12/12: 3285'
 8/13/12: 3900'
 8/14/12: 3982'
 8/15/12: 4124'
 8/16/12: 4164'
 8/17/12: 4481'
 8/18/12: 4590' RTD

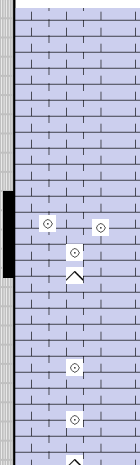
DEVIATION SURVEYS:
 .75 DEG. @ 218'
 .75 DEG. @ 3948'
 .75 DEG. @ 4590'

MUD @ 3397:
 WT: 8.6
 VIS: 57
 FILT: 6.4
 CHLOR: 1,200
 LCM: 1#



--STOTLER--
 3510 (-670)

--TOPEKA--
 3644 (-804)

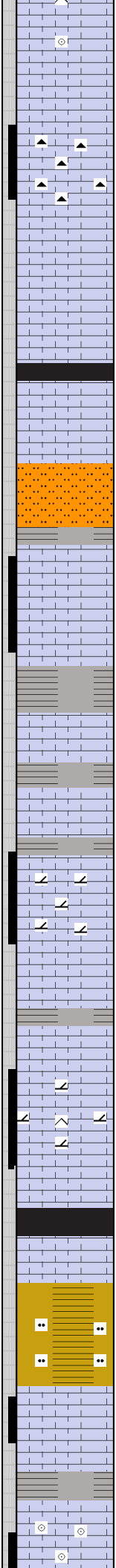
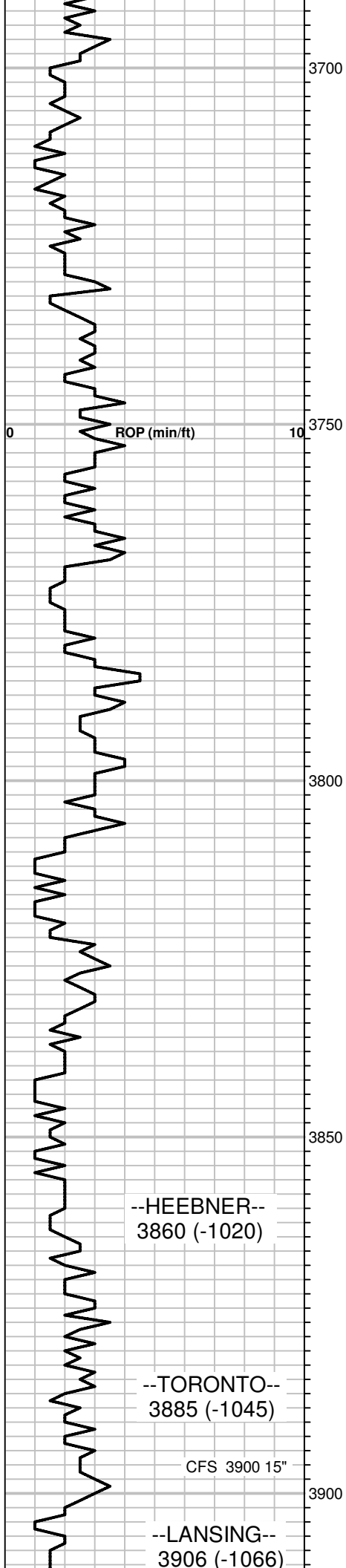


80: TR. LS, TAN, FOSS W/ PR. TR. FR. XLN.
 POR; LS, BRN, VF-FXLN, DSE; NS

100: SM. AMT. LS, TAN, V. OOL / FOSS, SOME
 SLI. CHTY, HD, W/ PR - GD INTER-FOSS. PPT
 - VUG - FOSS. CAST POR; NS

20: LS, TAN, AS ABOVE, V. OOL / FOSS, PR -
 GD POR, SLI. CHTY; AND LS, TAN-BRN, VF-
 FXLN, CHL FOSS, DSE, SOME GRV LMY

PARTIALLY PLUGGED BIT,
 PUMP PRESSURE HIGH /
 VARYING, SAMPLES SEEM TO
 BE FAIRLY GOOD.



FXLN, SLI. FOSS, DSE; SOME GRY, LMY SILTSTN; NS

40: CHERT, TAN-BRN, SHARP; TR. FUSILINIDS; SOME FOSS. LS, AS ABV; NS

50: LS, TAN-BRN, V. FOSS. FR. XLN. POR TO LS, BRN, DSE; NS

60: TR. LS, V. FOSS W/ FR. XLN & TR FOSS. CAST. POR TO LS, TAN, FXLN, W/ PR- TR. FR. XLN. POR; NS

70 & 80 & 90: LS, TAN-BRN, DSE; TR. GRY, LMY SILTSTN, TITE - FRIABLE; TR. BLK. SHALE; NS

100: TR. LS, V. FOSS, PR - FR. XLN. POR; NS

10 & 20: LS, TAN-BRN, VF-FXLN, DSE; TR. GRY SHALE.

30: SHALE, GRY, MAROON, GRN; LS, AS ABV & LS, BRN, SLI. FOSS, PR. XLN. POR; NS

40: TAN DOL. LS, FXLN, SUCROSIC, SLI. CHERTY, HARD & SOME CHERT, CRM SHP; NS

50 & 60: SHALE, GRY; LS, TAN-BRN, SLI. FOSS, MOSTLY PR. XLN. POR; SM. AMT. LMY SILTSTN; NS.

70: TR. TAN DOL. LS, SLI. CHTY, HARD; LS, BRN, VFXLN, SOME SLI. FOSS, DSE; SHALE, GRY, GRN; NS

80: SHALE, BLK; LS, TAN-BRN, VF-FXLN, SOME SLI. FOSS, DSE TO PR. XLN. POR; NS

90: LS, BRN, SLI. FOSS, DSE; GRY, LMY SILTSTONE; TR. BLK. SHALE.

100: SHALE, MAROON AND SOME GRY, LMY. SILTSTONE.

15" CIRC: LS, TAN, FXLN, TR. OOLITIC, PR - FR. XLN. POR; TR. TAN CHERT; NS

3913 CIRC: TR. LS, V. OOLITIC (FN-MED OOL) / FOSS, W/ FR. XLN & PR - GD OOLICASTIC POR; NS NO FLUOR.

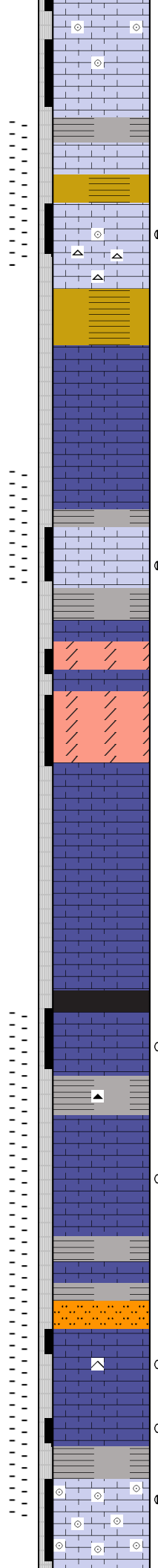
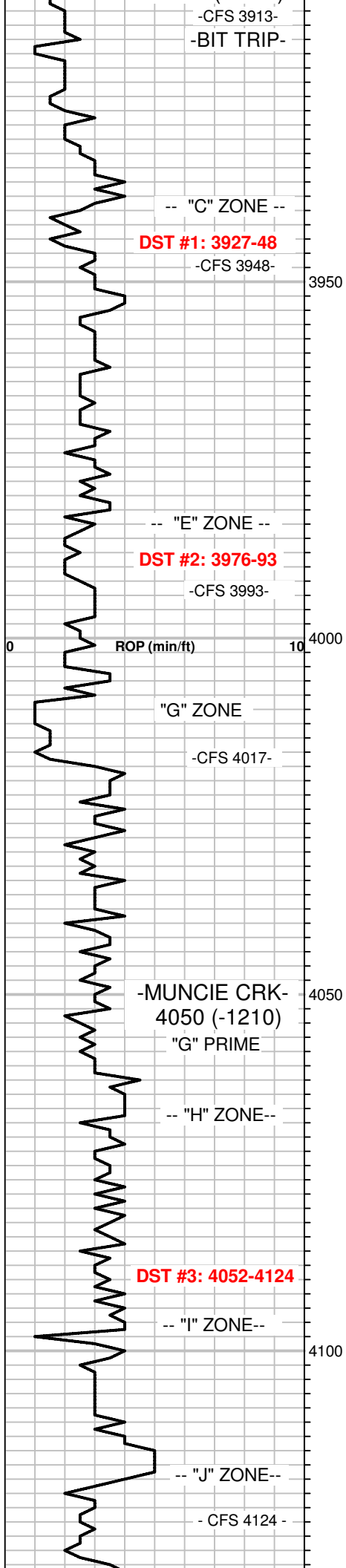
--HEEBNER--
3860 (-1020)

--TORONTO--
3885 (-1045)

CFS 3900 15"

--LANSING--
3906 (-1066)

MUD @ 3931:
WT: 9.0
VIS: 50
FILT: 6.4
CHLOR: 2,500
LCM: 1#



40: LS, TAN-BRN, VF-FXLN, TR. OOLITIC, TR. PR. OOLICASTIC-VUG. POR; NS

48: SHALE, GRY, MAROON; TR. BRN, SST, VF-FN GRND, GLAUC, FR. POR; TR. HARD SILTSTN

48 CIRC: TR. (5 PCS/TRAY) LS CRM, V. FOSS / FRAG, SLI CALCITIC, W/ PR - GD, INTER-FOSS, PPT - VUG- FOSS CAST. POR, FSFO, SPTY BRN SAT. STN ASSOC W/ POR; MUCH CHERT, CRM-TAN, SHARP / SLI. WEATH, SLI. PYRITIC W/ NS; NO ODOR

70: SHALE, GRY, MAROON; LT. GRN. SILTSTN; AND LS, TAN-BRN, VFXLN, DSE TO SOME CRM CHALKY; NS

80 & 90: MOSTLY LS, TAN, VF-FXLN, CALCITIC, W/ PR. TO SOME FR. XLN. POR; NS

93 CIRC: TR. LS, VF-FXLN, W/ PR. TO TR. GD. XLN, PPT & VUG. POR, PR. PARTIAL TO TR. GD TOTAL SAT. STN, SFO&G, FR. ODOR.

4017: 10" CIRC: DOL, TAN, FXLN, SUC, SLI. CHTY, PR - FR. XLN. POR; NS

4017 CIRC: DOL, TAN, FXLN, SUC, SLI. CHTY, SOME SLI. PEPPERED W/ PYRITE, PR - FR. XLN. POR, V. R. TR. GD. PPT-VUG - FOSS. CAST. POR; NS

30: LS, CRM - TAN, FXLN, PR. VIS. POR, TR. IS CHLKY; NS

40 & 50: LS, GRY-TAN, VF FXLN, V. SLI. FOSS, MOSTLY DSE; NS

60: SOME GRY & BLK SHALE; TR. PYRITE; LS, AS ABOVE.

70: LS, DK. BRN, VFXLN, DSE TO MUCH CRM, WEATH, SLI. CHLKY, TR. FO, TR. SPTY FLUOR IN SOFT, SLI. CHLKY LS; TR. BLK SHALE.

80: BRN LS AS ABV, SLI. FOSS, DSE TO WEATH; SHALE, GRY-BLK; TR. BRN CHERT; TR. CESELY FRAG / FOSS LS, DSE; NS

90: LS, TAN-BRN, VF-FXLN, DSE TO PR. XLN. POR; SM. AMT. WEATH, SLI. CHLKY, I PC SOFT, W/ SPTY FLUOR; SLI. ODOR

100: LS, TAN-BRN, VFXLN, V. SLI. FOSS, DSE; TR. GRY SHALE; NS

10: MUCH LT. GRN, LMY SILTSTN; FEW PCS. CHERTY LS, TAN, W/ PR. PPT-VUG. POR, W/ MUCH CALCITE FILL, SSFO, FSG, SPTY. SAT. STN; SHALE, GRY; SLI. ODOR

20: TR. LS, CRM-TAN, VF-FXLN, W/ PR. TR. PPT-VUG. POR, PR. SPTY. BRN. SAT. STN, NFO; SLI. ODOR

24 CIRC: LS, GRY, OOLITIC W/ PR.- GD. OOLIC POR, FSFO (NICE LT. BRN OIL), SPTY PARTIAL BRN SAT. STN; GRY & BLK SHALE; FR. ODOR

40: LS, AS ABV, GRY-TAN, OOLITIC W/ PR-GD. OOLICASTIC VUG. POR; NS

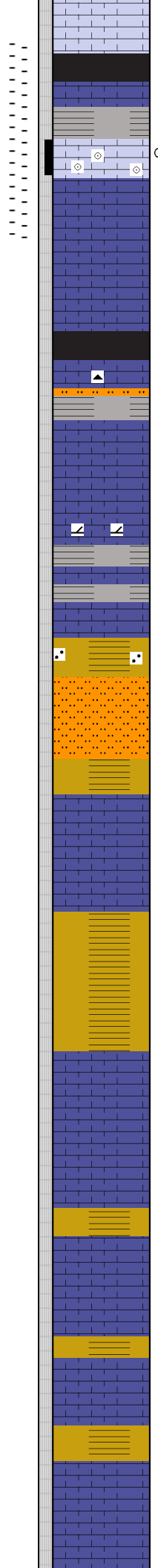
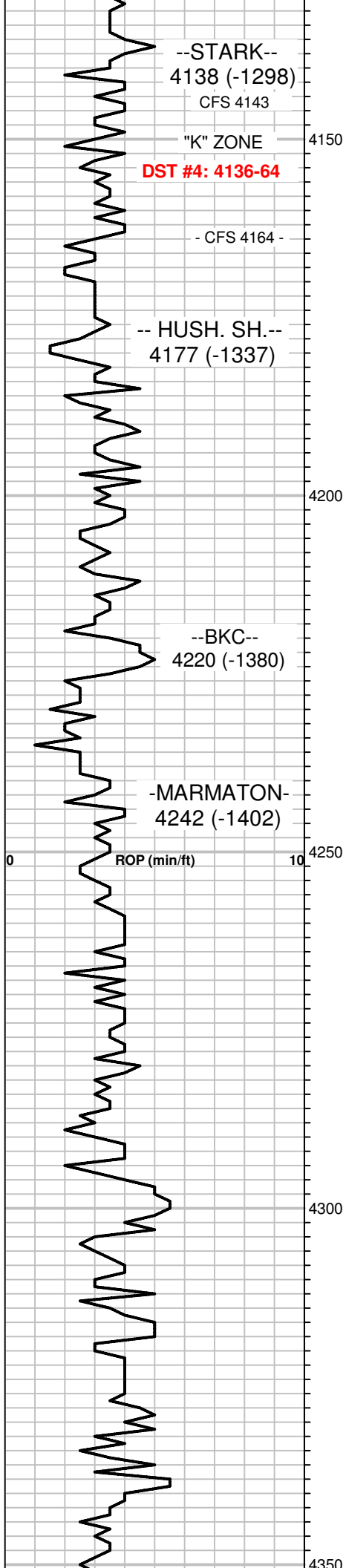
BIT TRIP 3910, FLOAT PIN WAS BROKEN OFF & LAYING OVER JETS.

DST #1: 3927-3948 (LANSING "C")
TIMES: 30-45-30-30
IF: BLOW BLT TO 1/2".
FF: NO BLOW
REC: 63' DRLG MUD, NS
IFP: 6-22#, FFP: 26-37#
SIP: 1132-1063#
HP: 1869-1864#
MAX TEMP: 120 F.
SEE CHART ABOVE.
 PIPE STRAP @ 3948 = 2.33' SHORT TO BOARD.

DST #2: 3976-3993 (LANSING "E" ZONE)
TIMES: 30-30-45-60
IF: 1/2" BLOW DIED IN 27"
FF: WEAK SURF. BLOW.
REC: 60' OCM (36% OIL)
IFP: 7-18#, FFP: 23-31#
SIP: 1016-747#
HP: 1896-1896#
MAX. TEMP: 117 F.
SEE CHART ABOVE.

MUD @ 3993:
 WT: 9.2
 VIS: 55
 FILT: 6.0
 CHLOR: 2,000
 LCM: 2#

DST #3: 4052-4124 (KS CITY "H", "I" & "J")
TIMES: 30-45-45-60
IF: BLOW OFF BTM IN 14"
ISI: .5" BLOWBACK
FF: BLOW OFF BTM 11.5"
FSI: 2" BLOWBACK
REC: 189' GAS IN PIPE, 408' TOTAL FLUID:
219' HO&GCM (20%G, 35% O, 45%M),
189' MCGO (10%G, 67%O, 23%M), NO WATER
IFP: 11-91#, FFP: 98-142#
SIP: 1186-1177#
HP: 1952-1946#
MAX. TEMP: 123 F.
SEE CHART ABOVE.
 MUD @ 4124:
 WT: 9.2
 VIS: 60



OOLICASTIC. POR; NS

4143 CIRC: SHALE, BLK & LS, DK. BRN, VFXLN, DSE; NS

4164: 5" CIRC: LS, CRM, FXLN, V. OOLITIC W/ PR. TR. INTER-OOL. XLN, & PPT. POR, & RARE TR. OOLIC. POR, ONLY TR. FO, V. PR. SPTY STN, SEV. PCS W/ SPTY FLUOR; SLI. ODOR.

4164: 30" CIRC: LS, BRN, VFXLN, DSE; NS

80 & 90: LS, AS ABV. & SOME LS, CRM, WEATH., SLI. CHLKY; BLK SHALE IN 90; NS

100: LS, DK BRN, VF-FXLN, DSE TO SOME WEATH, SLI. CHLKY; SHALE, BLK; TR. CHERT & SILTSTONE; NS

10: LS, BRN, VFXLN, SLI. FOSS, DSE TO SOME WEATH, SLI. CHLKY; SHALE, GRY; NS

20 & 30: LS, TAN-BRN, VFXLN, DSE, SM. AMT. SLI. SUCROSIC/ DOLOMITIC W/ PR - FR. XLN. POR; SHALE, GRY; NS

40: SHALE, GRY, MAROON, GRN; TR. LMY SST, VFN-FN GRND, CLR. & LS. AS ABV.; NS

50: MAROON & GRY LMY SILTSTONE; MAROON & GRY SHALE.

60: LS, TAN-BRN, VF-FXLN, SOME CALCITIC & SLI. FOSS. W/ PR. VIS. POR; NS

70: LS, BRN, VFXLN, DSE TO SOME WEATH. , CRM SLI. CHLKY; NS

80: SHALE, MAROON, GRY & GRN.

90: LS, TAN-BRN, VFXLN, SOME FOSS./ OOLITIC, DSE; AND SHALE AS ABV.; NS

100: LS, TAN-BRN, VFXLN, TR. CALCITE FILLED VUGS, DSE; NS

10 & 20 & 30: LS, TAN-BRN, VFXLN, SLI. FOSS, DSE, SOME SLI. CHTY; TR. LOOSE CRINOID; SHALE, GRY & MAROON; NS

40: LS, DULL BRN, SLI. SUCROSIC W/ PR. VIS. POR; AND AS ABV.; NS

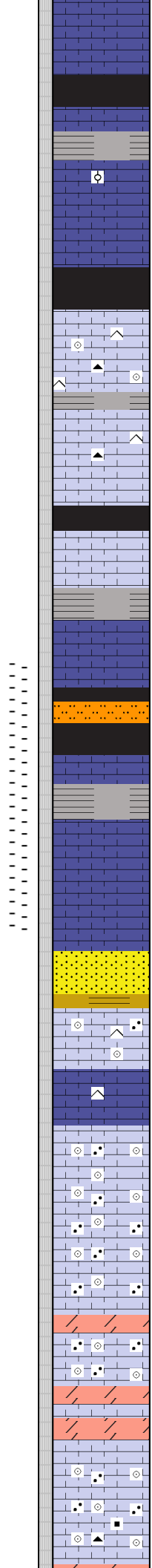
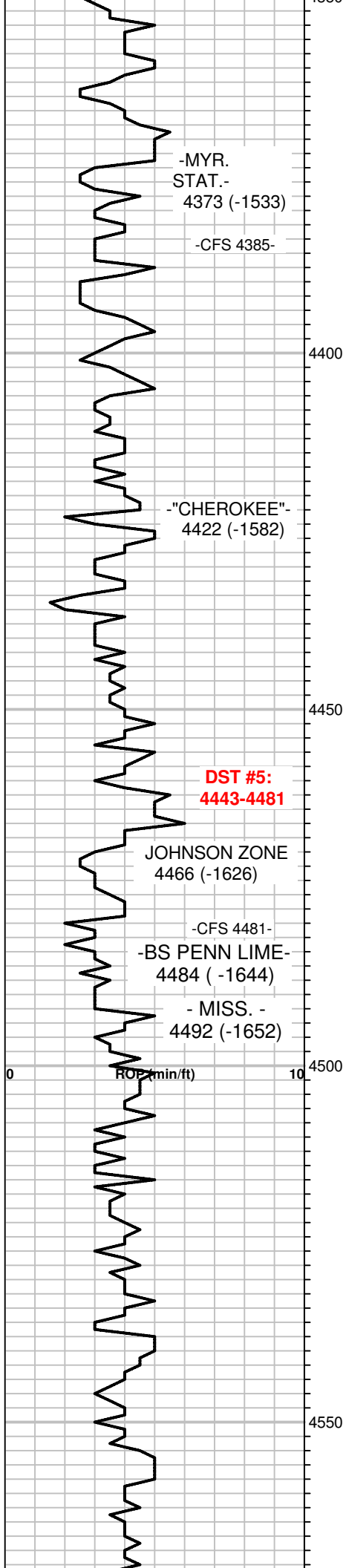
50: MUCH SHALE, MAROON, GRY, GRN; TR. LS, TAN, FXLN W. PR- FR. XLN. POR; NS

60: LS, TAN, VFXLN, DSE; NS

VIS: 60
FILT: 6.4
CHLOR: 2,000
LCM: 2#

**DST #4: 4136-4164
(KANSAS CITY "K" ZONE)
TIMES: 30-45-30-45
IF: .5" BLOW, DIED IN 25"
FF: NO BLOW
REC:15' SOSM (2%O, 98% M)
IFP: 6-14#, FFP: 15-20#
SIP: 808-667#
HP: 1989-1989#
MAX. TEMP: 119 F.
SEE CHART ABOVE.**

MUD @ 4234:
WT: 9.1
VIS: 65
FILT: 6.0
PH: 10.5
CHLOR: 2,300
LCM: 1.5#



70: LS, BRN, VFXLN, DSE; SHALE, BLK; NS

80: SHALE, BLK; LS, DK. BRN, VFXLN, SLI. FOSS, DSE; NS

85: CIRC: LS, TAN-BRN, VF-FXLN, TR. OOLITIC, SOME SLI. WEATH, CRM W/ RARE TR. PPT-VUG. POR, V. R. TR. FO, TR. PR. SPTY. OIL STN; NO ODOR

10: SHALE, BLK; TR. BRN, OOLITIC CHERT.

20: LS, TAN, V. FOSS. TO V. OOLITIC, CHTY, HARD, NO POR; SM. AMT. CHERT, BRN, SHP; AND LS, BRN, VFXLN, DSE; NS

30: LS, BRN, VFXLN, DSE; TR. CHERTY, FOSS. LS AS ABV; TR. CHERT, BRN; NS

40: SHALE, BLK; AND LS, BRN, OOLITIC, DSE TO SOME W/ FR. XLN. POR; NS

50: LS, AS ABOVE; NS

60: LS, BRN, VFXLN, DSE TO SM. AMT. WEATH., SLI. CHLKY; TR. V. COLORED SHALE; NS

70: LS, TAN-BRN, VFXLN, DSE, SHALE, GRY-BLK; TR. GRY, SILTSTONE; NS

80 & 20" CIRC: LS, BRN, VFXLN, SLI. CALCITIC W/ PR. SPTY VUG POR. TO TR. GD. XLN & VUG. POR, GSFO (BLDG), SPTY TO TOTAL DK. BRN. SAT, STN; FR. ODOR

40: LS, TAN-BRN, VFXLN TO SLI. CHLKY, SFO, PR. SPTY STN, LOOKS TITE.

100: SST, GRN, GRY, TAN, VFN-FN GRND, TITE- FRIABLE & V. COLORED SHALE; NS

10: SST. MUSTARD-TAN, V. LMY TO SLI. SDY LS, BRN VFXLN, SLI. CHTY, DSE - SOME, FAINTLY OOLITIC; NS

20: LS, BRN, CHERTY, SMOOTH, DSE; AND AS ABV; NS

30: LS, TAN, VF-FXLN, OOLITIC (MUCH FAINTLY OOLITIC, RE-XTALIZED), ARENACEOUS, DSE TO FR. XLN. POR; NS

40: LS, BRN, VFXLN, DSE; AND LS, OOL. / ARENACEOUS W/ FR. XLN POR. AS ABV; NS

50: LS, TAN-BRN, V. SLI. GLAUC, VF-FXLN, OOL./ AREN. W/ PR. XLN. POR; SM. AMT. GRN - MUSTARD DOLOMITE, FXLN, PR. POR; NS

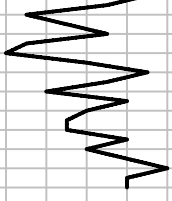
60: OOL. / AREN. LS, AS ABV W/ MOSTLY PR. XLN. POR; NS

70: SOME BRN TO MUSTARD DOLOMITE, PR. XLN. POR; NS

80: LS, BRN, VF-FXLN, OOL./ AREN. W/ PR. - TR. FR. XLN. POR, R. TR. BRN. CARBONACEOUS MAT.; TR. DOL. LS, DSE; SM. AMT. CHERT, GRY-BRN, SHP; NS, NO CUT

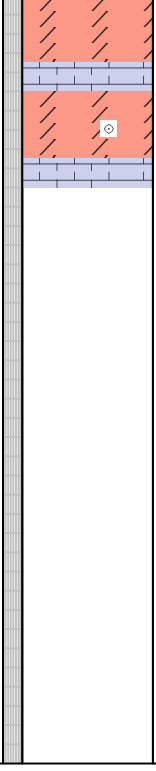
DST #5: 4443-4481 (JOHNSON ZONE)
TIMES: 30-45-45-60
IF: BLOW BLT TO 10.5"
ISI: NO BLOWBACK
FF: BLOW OFF BTM IN 16"
FSI: SURF. BLOWBACK
REC: 337' GAS IN PIPE,
167' TOTAL FLUID:
2' CO (27 GRAV. @ 60 F.),
165' SGCMO (5%G, 50%O,
45%M).
IFP: 9-56#, FFP: 51-70#
SIP: 803-646#
HP: 2207-2207#
MAX. TEMP: 127 F.
SEE CHART ABOVE.

MUD @ 4481:
 WT: 9.4
 VIS: 60
 FILT: 7.2
 PH: 10.5
 CHLOR: 2,000
 LCM: 1#



RTD 4590
LTD 4590

4600



90: DOL. BRN./ MOTTLED GRY, FXLN, SUC,
SOME FOSS, PR. - TO GD. XLN. POR & SCAT.
TR. FR.-GD. FOSS. CAST POR; NS, NO
FLUOR.

90: CIRC: DOL, BRN / MOTTLED GRY, FXLN,
SUC, TR. OOL, PR-FR. XLN. POR & R. TR.
FOSS. CAST. POR; NS, NO FLUOR.

**DIAMOND TESTING**

P.O. Box 157

Page 1 of 2 Pages

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D0197

Company Crawford Oil & Gas Company, LLC Lease & Well No. Zimmerman No. 1-24
 Elevation 2835 GL Formation Lansing "C" Effective Pay _____ Ft. Ticket No. S0197
 Date 8-13-12 Sec. 24 Twp. 13S Range 31W County Gove State Kansas
 Test Approved By Larry P. Friend Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3,927 ft. to 3,948 ft. Total Depth 3,948 ft.
 Packer Depth 3,922 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,927 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,912 ft. Recorder Number 30035 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 3,945 ft. Recorder Number 3851 Cap. 5,700 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 8 Drill Collar Length 124 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 50 Weight Pipe Length _____ ft. I.D. _____ in.
 Weight 9.0 Water Loss 6.4 cc. Drill Pipe Length 3,774 ft. I.D. 3 1/2 in.
 Chlorides 2,500 P.P.M. Test Tool Length 29 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 21 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1/2 in. in 30 mins. No blow back during shut-in.

2nd Open: No Blow, No Build. No blow back during shut-in.

Recovered 63 ft. of drilling mud = .309960 bbls. (Grind out: 100%-mud)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-drilling mud

Time Set Packer(s) 10:54 P.M. Time Started off Bottom 1:09 A.M. Maximum Temperature 120°
 Initial Hydrostatic Pressure.....(A) 1869 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 6 P.S.I. to (C) 22 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 1132 P.S.I.
 Final Flow Period.....Minutes 30 (E) 26 P.S.I. to (F) 37 P.S.I.
 Final Closed In Period.....Minutes 30 (G) 1063 P.S.I.
 Final Hydrostatic Pressure.....(H) 1864 P.S.I.

**DIAMOND TESTING**

P.O. Box 157

Page 1 of 2 Pages

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D0198

Company Crawford Oil & Gas Company, LLC Lease & Well No. Zimmerman No. 1-24
 Elevation 2835 GL Formation Lansing "E" Effective Pay _____ Ft. Ticket No. S0198
 Date 8-14-12 Sec. 24 Twp. 13S Range 31W County Gove State Kansas
 Test Approved By Larry P. Friend Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3,976 ft. to 3,993 ft. Total Depth 3,993 ft.
 Packer Depth 3,971 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,976 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,961 ft. Recorder Number 30035 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 3,990 ft. Recorder Number 3851 Cap. 5,700 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 8 Drill Collar Length 124 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 55 Weight Pipe Length _____ ft. I.D. _____ in.
 Weight 9.2 Water Loss 6.0 cc. Drill Pipe Length 3,823 ft. I.D. 3 1/2 in.
 Chlorides 2,000 P.P.M. Test Tool Length 29 ft. Tool Size 3 1/2-FH in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 17 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow. Died in 28 mins. No blow back during shut-in.
 2nd Open: No blow increasing to a weak, surface blow. No blow back during shut-in.

Recovered 60 ft. of oily mud = .295200 bbls. (Grind out: 36%-oil; 64%-mud)

Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 22%-oil; 78%-mud

Time Set Packer(s) 12:19 P.M. Time Started off Bottom 3:04 P.M. Maximum Temperature 117°
 Initial Hydrostatic Pressure.....(A) 1896 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 7 P.S.I. to (C) 18 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 1016 P.S.I.
 Final Flow Period.....Minutes 45 (E) 23 P.S.I. to (F) 31 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 747 P.S.I.
 Final Hydrostatic Pressure.....(H) 1896 P.S.I.

**DIAMOND TESTING**

P.O. Box 157

Page 1 of 2 Pages

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D0199

Company Crawford Oil & Gas Company, LLC Lease & Well No. Zimmerman No. 1-24
 Elevation 2835 GL Formation Lansing "H"- "J" Effective Pay _____ Ft. Ticket No. S0199
 Date 8-15-12 Sec. 24 Twp. 13S Range 31W County Gove State Kansas
 Test Approved By Larry P. Friend Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 4,052 ft. to 4,124 ft. Total Depth 4,124 ft.
 Packer Depth 4,047 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,052 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,037 ft. Recorder Number 30035 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,121 ft. Recorder Number 3851 Cap. 5,700 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 8 Drill Collar Length 124 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 55 Weight Pipe Length _____ ft. I.D. _____ in.
 Weight 9.2 Water Loss 6.0 cc. Drill Pipe Length 3,899 ft. I.D. 3 1/2 in.
 Chlorides 2,000 P.P.M. Test Tool Length 29 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 72 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow increasing. Off bottom of bucket in 14 3/4 mins. Weak, 1/2 in. blow back during shut-in.

2nd Open: Weak, 1/2 in. blow increasing. Off bottom of bucket in 11 1/2 mins. Weak, 2 in. blow back during shut-in.

Recovered 189 ft. of gas in pipe
 Recovered 219 ft. of gassy oily mud = 3.116370 bbls. (Grind out: 20%-gas; 35%-oil; 45%-mud)
 Recovered 189 ft. of gas cut muddy oil = 1.535030 bbls. (Grind out: 10%-gas; 67%-oil; 23%-mud)
 Recovered 408 ft. of TOTAL FLUID = 4.651400 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks Tool Sample Grind Out: 50%-oil; 50%-mud

Time Set Packer(s) 8:37 A.M. Time Started off Bottom 11:37 A.M. Maximum Temperature 123°
 Initial Hydrostatic Pressure.....(A) 1952 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 91 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 1186 P.S.I.
 Final Flow Period.....Minutes 45 (E) 98 P.S.I. to (F) 142 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 1177 P.S.I.
 Final Hydrostatic Pressure.....(H) 1946 P.S.I.



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D0200

Company Crawford Oil & Gas Company, LLC Lease & Well No. Zimmerman No. 1-24
 Elevation 2835 GL Formation Lansing "K" Effective Pay _____ Ft. Ticket No. S0200
 Date 8-16-12 Sec. 24 Twp. 13S Range 31W County Gove State Kansas
 Test Approved By Larry P. Friend Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 4,136 ft. to 4,164 ft. Total Depth 4,164 ft.
 Packer Depth 4,131 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,136 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,121 ft. Recorder Number 30035 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,161 ft. Recorder Number 3851 Cap. 5,700 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 8 Drill Collar Length 124 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 60 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.2 Water Loss 6.4 cc. Drill Pipe Length 3,983 ft I.D. 3 1/2 in.
 Chlorides 2,000 P.P.M. Test Tool Length 29 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 28 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow. Died in 25 mins. No blow back during shut-in.

2nd Open: No Blow. No Build. No blow back during shut-in.

Recovered 15 ft. of slightly oil specked mud = .073800 bbls. (Grind out: 2%-oil; 98%-mud)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 4%-oil; 96%-mud

Time Set Packer(s) 12:47 A.M. Time Started off Bottom 3:17 A.M. Maximum Temperature 119°
 Initial Hydrostatic Pressure.....(A) 1989 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 6 P.S.I. to (C) 14 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 808 P.S.I.
 Final Flow Period.....Minutes 30 (E) 15 P.S.I. to (F) 20 P.S.I.
 Final Closed In Period.....Minutes 45 (G) 667 P.S.I.
 Final Hydrostatic Pressure.....(H) 1989 P.S.I.

**DIAMOND TESTING**

P.O. Box 157

Page 1 of 8 Pages

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D0201

Company Crawford Oil & Gas Company, LLC Lease & Well No. Zimmerman No. 1-24
 Elevation 2835 GL Formation Johnson Effective Pay _____ Ft. Ticket No. S0201
 Date 8-17-12 Sec. 24 Twp. 13S Range 31W County Gove State Kansas
 Test Approved By Larry P. Friend Diamond Representative Jacob McCallie

Formation Test No. 5 Interval Tested from 4,443 ft. to 4,481 ft. Total Depth 4,481 ft.
 Packer Depth 4,438 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,443 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,428 ft. Recorder Number 30035 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,478 ft. Recorder Number 3851 Cap. 5,700 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 8 Drill Collar Length 124 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 60 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.4 Water Loss 7.2 cc. Drill Pipe Length 4,290 ft I.D. 3 1/2 in.
 Chlorides 2,000 P.P.M. Test Tool Length 29 ft Tool Size 3 1/2-IH in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 38 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow increasing to 10 1/2 ins. in 30 mins. No blow back during shut-in.

2nd Open: Weak, 2 in. blow increasing. Off bottom of bucket in 16 mins. Weak, surface blow back during shut-in.

Recovered 337 ft. of gas in pipe
 Recovered 2 ft. of clean oil = .028460 bbls. (Grind out: 100%-oil) Gravity: 27 @ 60°
 Recovered 165 ft. of gas cut muddy oil = 1.193510 bbls. (Grind out: 5%-gas; 50%-oil; 45%-mud)
 Recovered 167 ft. of TOTAL FLUID = 1.221970 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks Tool Sample Grind Out: 55%-oil; 45%-mud

Time Set Packer(s) 12:00 P.M. Time Started off Bottom 3:00 P.M. Maximum Temperature 127°
 Initial Hydrostatic Pressure.....(A) 2207 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 56 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 803 P.S.I.
 Final Flow Period.....Minutes 45 (E) 51 P.S.I. to (F) 70 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 646 P.S.I.
 Final Hydrostatic Pressure.....(H) 2207 P.S.I.

RR 1 Box 90D
Hoxie, KS 67740Phone # 785-675-8974 sosilc@ruraltel.net
Fax # 785-675-9938

Invoice

Date 8/9/2012
Invoice # 602

Bill To
Crawford Oil and Gas., LLC PO Box 1366 El Dorado, KS 67042

Ship To

P.O. # Zimmerman 1-24
Terms Net 30Ship Date 8/15/2012
Due Date 9/8/2012
Other

Item	Description	Qty	Price	Amount
Cement chloride	Common calcium chloride	175	15.50	2,712.50T
Gel		5	52.00	260.00T
Handling of mater...	per sack	3	26.00	78.00T
Mileage and labor		184	2.15	395.60
Pump truck charge	Tri- plex pump charge	65	18.40	1,196.00T
Pump truck mileage	To and From Location		1,050.00	1,050.00
Light vehicle mile...	To and From Location	130	6.50	845.00
		130	2.00	260.00

TAKE 10% DISCOUNT IF PAID WITHIN 20 DAYS. DEDUCT FROM TOTAL.

Schippers Oilfield Services LLC

Subtotal	\$6,797.10
Sales Tax (8.05%)	\$341.84
Total	\$7,138.94
Payments/Credits	\$0.00
Balance Due	\$7,138.94

10% 10%
6425.05 ✓



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 252159

Invoice Date: 08/20/2012 Terms: 10/10/30,n/30 Page 1

CRAWFORD OIL & GAS LLC
1780 JASON DR
P.O. BOX 1366
EL DORADO KS 67042
() -

ZIMMERMAN 1-24
37042
24-13-31
08-18-2012
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	175.00	22.5500	3946.25
1110A	KOL SEAL (50# BAG)	875.00	.5600	490.00
1131	60/40 POZ MIX	475.00	15.1000	7172.50
1118B	PREMIUM GEL / BENTONITE	3272.00	.2500	818.00
1107	FLO-SEAL (25#)	119.00	2.8200	335.58
1144G	MUD FLUSH (SALE)	1000.00	1.0000	1000.00
1142A	KCL SUB MB6875 CC3107 (1	2.00	39.1000	78.20
4159	FLOAT SHOE AFU 5 1/2"	1.00	413.0000	413.00
4130	CENTRALIZER 5 1/2"	10.00	58.0000	580.00
4104	CEMENT BASKET 5 1/2"	3.00	276.0000	828.00
4314	RECIPROCATING SCRATCHERS	40.00	78.0000	3120.00
4283	DV TOOL W/ LATCH DOWN	1.00	3850.0000	3850.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-2263.15
9995-130	CEMENT EQUIPMENT DISCOUNT	-407.70

Description	Hours	Unit Price	Total
399 SINGLE PUMP	1.00	3020.00	3020.00
399 EQUIPMENT MILEAGE (ONE WAY)	20.00	5.00	100.00
566 TON MILEAGE DELIVERY	1.00	957.00	957.00

Amount Due 28530.38 if paid after 09/19/2012

Parts:	22631.53	Freight:	.00	Tax:	1639.67	AR	25677.35
Labor:	.00	Misc:	.00	Total:	25677.35		
Sublt:	-2670.85	Supplies:	.00	Change:	.00		

Signed _____ Date _____