



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1075773
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: _____

1075773

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 33602
LOCATION OR Oakley
FOREMAN Kevin McCoy

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-193-20834 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
1-17-12		Wichland / EPARD # 1	33	95	34W	Thomas	
CUSTOMER		LD DRIG.		TRUCK #		DRIVER	
RAYMOND OIL Co., INC.				520		John S.	
MAILING ADDRESS				460		Corey D.	
P.O. Box 48788							
CITY	STATE	ZIP CODE					
Wichita	KS	67202					

JOB TYPE SURFACE 0 HOLE SIZE 17 1/2" HOLE DEPTH 305' LB CASING SIZE & WEIGHT 13 3/8"
 CASING DEPTH 302' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15" SLURRY VOL 22 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING 15"
 DISPLACEMENT 44 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: *Safety Meeting: Rig up to 13 3/8" casing. BREAK CIRCULATION. MIXED 300 SKS CLASS "A" Cement w/ 3% CACL2, 2% GEL @ 15 #/gal. Displace w/ 44 BBL fresh water. Shut casing in. Good Cement Returns to SURFACE = 6 BBL Slurry to Pit. Job Complete. Rig down.*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	1085.00	1085.00
5406	15	MILEAGE	5.00	75.00
1104 S	300 SKS	CLASS "A" Cement	17.65	5295.00
1102	850 #	CACL2 3%	.89	756.50
1118 B	565 #	GEL 2%	.25	141.25
5407	14.1 TONS	Ton Mileage Bulk Delv.	MIC	410.00
			Sub Total	7762.75
THANK YOU A			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737

AUTHORIZATION Rol Wick 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



CONSOLIDATED
Oil Well Services, LLC

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

ENTERED
FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 33797
LOCATION 04414/15
FOREMAN Miles Shaw
Walt Dinkel

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-5-12	7158	Wieland/Epad #1	33	95	34W	Thomas KS
CUSTOMER Raymond Oil			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
			DRIVER			

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

REMARKS: Safety meeting and Rig upon L D Plus as ordered
1st plug @ 2800' 25 SKS
2nd plug @ 1850' 100 SKS
3rd plug @ 350' 40 SKS
4th plug @ 40' 10 SKS
Bathrobe 30 SKS

205 SKS 60/40 Poz, 48 gal + 1/4" Flo seal

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325.00	1325.00
5406	15	MILEAGE	5.00	75.00
5407	8.82	ten mitress delivery min	1.67	410.00
1131	205 SKS	60/40 Poz	15.10	3095.50
118B	705 #	Bentunite gel	.25	176.25
1167	51 #	Flo seal	2.82	143.82
4436	1	1.3 7/8 wooden plug	171.00	171.00
			Subtotal	5396.57
			Loss 10% disc count	539.66
			Subtotal	4856.91
		247650	SALES TAX	235.64
			ESTIMATED TOTAL	5092.55

Ravin 3737

AUTHORIZATION Rhl W.l.h TITLE _____ DATE _____

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CONSOLIDATED
Oil Well Services, LLC

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



TICKET NUMBER 33780

LOCATION Oakley

FOREMAN Kelly Gabe

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-24-12	7158	Wieland/Epand #1	33	9S	34W	Thomas ^{KS}
CUSTOMER <u>Raymond oil</u>		Monument				
MAILING ADDRESS		2w N to Rd H 4W 1/2 S E:NTD				
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			399	Damon M		

JOB TYPE Pump Job HOLE SIZE 2 1/4 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
CASING DEPTH _____ DRILL PIPE Stuck @ 3475 TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, hooked rigged up on LD Drilling, hooked up to get pipe free. Pumped 140 bbl water. Pipe did not free up. Pumped 50 bbl oil, displaced down, rigged down & left location

Thank You Kelly & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	132.500	132.500
5406	15	MILEAGE	5.00	75.00
				1400.00
		Less 10% Discount		140.00
				1260.00
		347382		
			SALES TAX	—
			ESTIMATED TOTAL	1260.00

DATE 1-24-12

3:30AM AUTHORIZATION [Signature]

TITLE _____

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

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

315-884-9100 • WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>RAYMOND OIL COMPANY, INC.</u>	ELEVATIONS
LEASE <u>#1 WIELAND/EPARD</u>	KB <u>3260</u>
FIELD <u>WILDCAT</u>	DF _____
LOCATION <u>1376' FWL & 2565' FNL</u>	CL <u>3255</u>
SEC <u>33</u> TWP <u>9S</u> R1E <u>34W</u>	Measurements Are All From <u>3260 KB</u>
COUNTY <u>THOMAS</u> STATE <u>KANSAS</u>	<u>13 3/8" CASING</u> SURFACE <u>302'</u>
CONTRACTOR <u>L. D. DRILLING, INC.</u>	PRODUCTION _____
SPUD <u>1-16-12</u> COOP <u>2-5-12</u>	ELECTRICAL SURVEYS Dual IND., DENS.-N.
RTD <u>4914</u> LTD <u>4906</u>	
MUD UP <u>3483</u> TYPE MUD <u>CHEMICAL</u>	

SAMPLES SAVED FROM _____	3800 TO 4914
DRILLING TIME KEPT FROM _____	3750 TO 4914
SAMPLES CLAIMED FROM _____	3800 TO 4914
GEOLOGICAL SUPERVISION FROM _____	3800 TO 4914
GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>	

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2790+ 470	2796+ 461
B/ANH.	2820+ 440	2826+ 434
STOTLER	3798- 538	3801- 541
HEEBNER	4135- 875	4139- 879
LANSING	4175- 915	4177- 917
STARK	4399- 1139	4405- 1145
MARMATON	4488- 1228	4486- 1226
FORT SCOTT	4648- 1388	4649- 1389
CHEROKEE	4677- 1417	4680- 1420
MISSISSIPPI	4802- 1542	4809- 1549



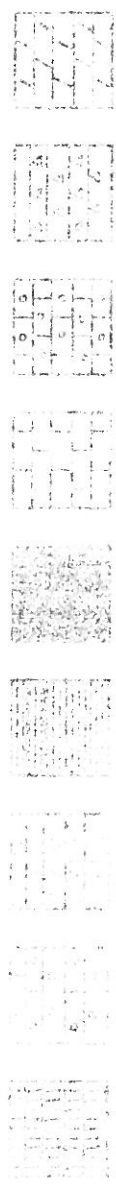
SPUD

- 1-16-12 SPUD
- 1-17 @ 305'
- 1-18 @ 691'
- 1-19 @ 1675'
- 1-20 @ 2182'
- 1-21 @ 2970'
- 1-22 @ 3578'
- 1-23 @ 4230'
- 1-24 @ 4350'
- 1-25 @ 4400'
- 1-26 Stuck @ 4100'
- 1-27 " "
- 1-28 " "

1-29 Stuck @ 4100', Wishing Over

API: 15-193-20834

LEGEND



Block 100' x 100' Photo 100' x 100' Photo 100' x 100' Photo 100' x 100' Photo 100' x 100' Photo 100' x 100' Photo 100' x 100' Photo

100' x 100' Photo 100' x 100' Photo

100' x 100' Photo

100' x 100' Photo

SPUD DESCRIPTIONS

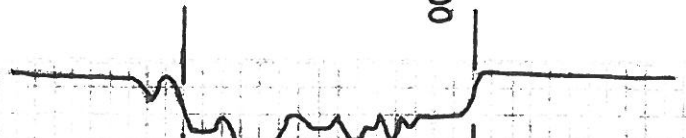
REMARKS

2750

UNITS

2850

2800



ANNORITE 2796 + 464

B/ANN 2826 + 434

3750

3800



Sh. Gr. Silty.

STOTLER 3801-541

15. T. VSA Foss. Silty. Calc. etc.

15. G. Silty Foss.

Sh. L. 1/4

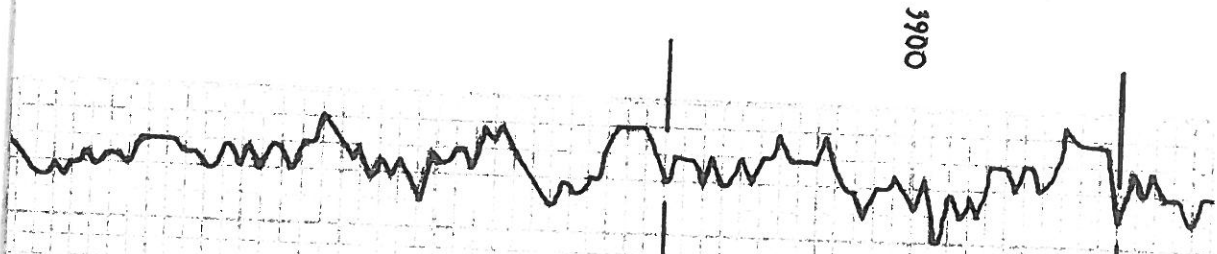
15. W. Silty Foss. Silty

Sh. G. L. 1/4

15. W. Silty Chalk.

15. W. Silty Foss. Silty Chalk.

Sh. Gr. Silty.



HOWARD
3878
- 618

TOPEKA

3926
- 666

Sh. clay. ls. To wt. sic. fm. Sic. A

ls. To wt. w/ fss. Colch.

Sh. clay. silty.

ls. wt. sic. fm. Sic. A
(1) ss. w/ sic. fm.
w/ dr. ls. sh. (3941D)

Sh. clay. silty.

ls. wt. clay. abd. w. dr. clay. sic. Colch.

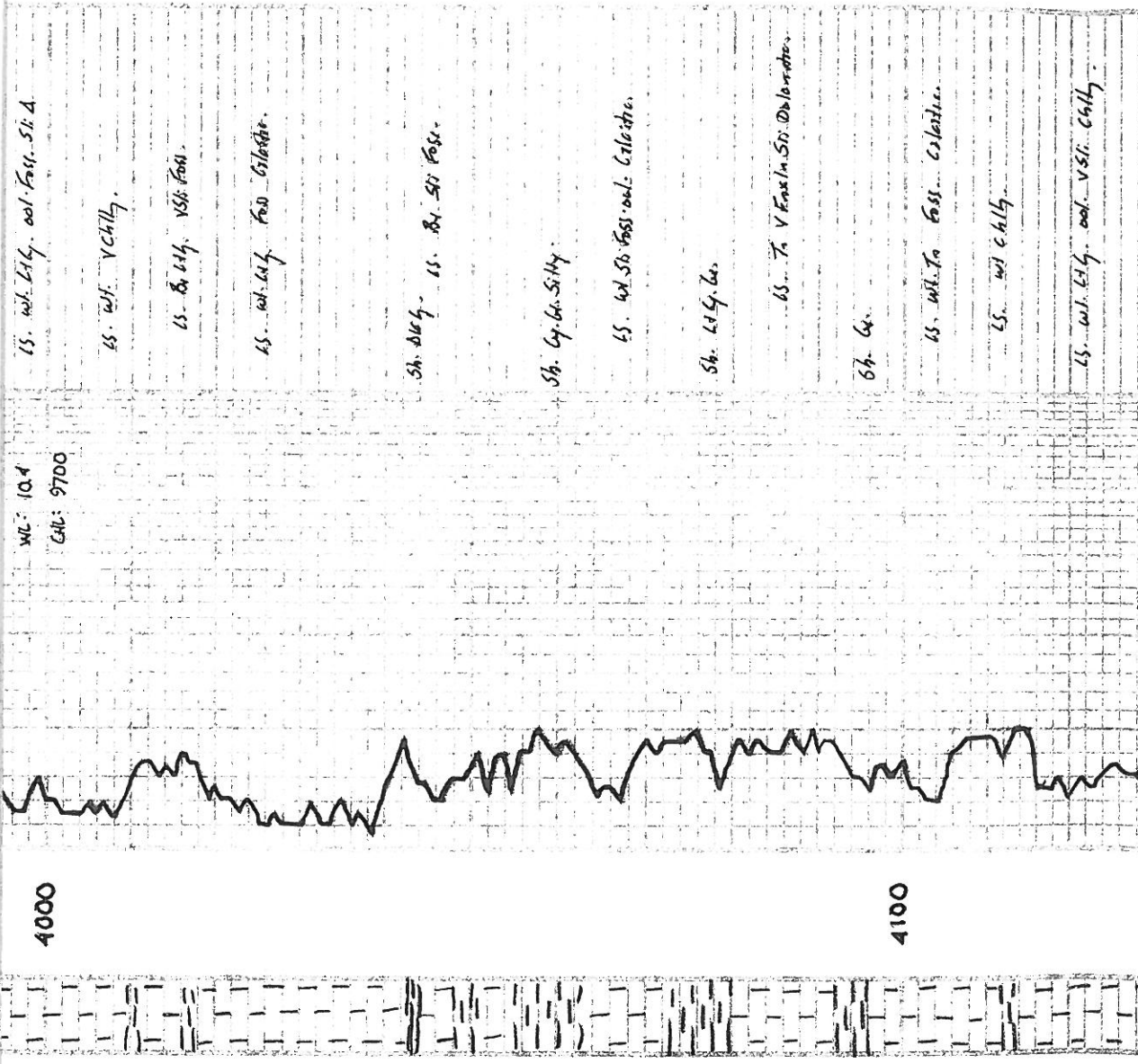
ls. dr. g. wt. fm.

ls. wt. sic. fm. abd.

ls. wt. fm. Colch.

Sh. clay. silty.

VS: 48
WT: 89



ls. wt. chly.ool. Pass. Sil. A.

ls. wt. chly.

ls. wt. chly.ool. Pass.

ls. wt. chly.ool. Caliche.

Sh. chly. ls. wt. Sil. Pass.

Sh. Sp. G. Silty

ls. wt. Sil. Pass. ool. Caliche.

Sh. chly.ool.

ls. wt. V. Fine In Sil. Dolomite.

Sh. G.

ls. wt. To Pass. Caliche.

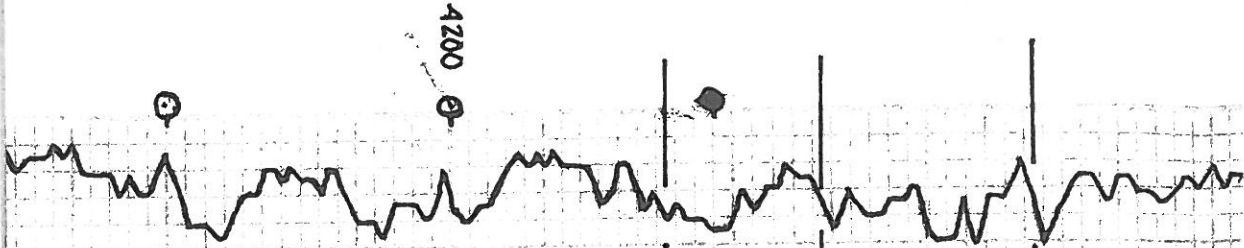
ls. wt. chly.

ls. wt. chly.ool. V. Sil. Chly.

WL: 104
CAL: 9700

4000

4100



LS. wt. L14. ad. V51. CALY.

HEEBNER 4139-879
 54. Blue Carb.

54. L14. L.

LS. wt. L14. 511. Test w/ Dr. G. FMS.

54. R1. L.

LANSING 4177-917

LS. wt. ad. SHD

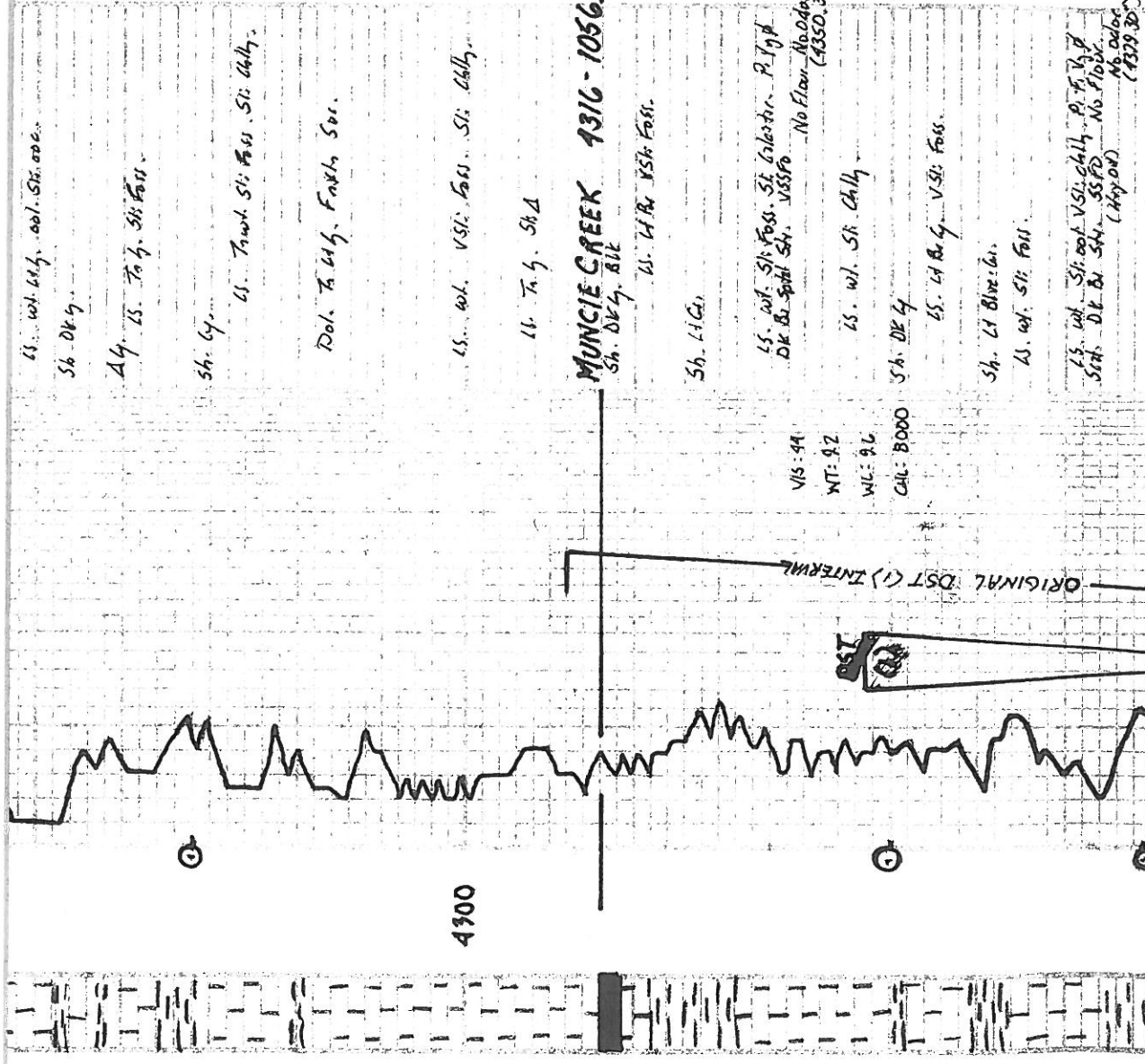
LS. L14. D11.

54. Dr. G. R1. L.

LS. T2. wt. ad. V51. 17100hrs.

54. L14. L.

LS. wt. ad. V51. CALY.



MUNCIE CREEK 4316-1056

ls. wt. chly.ool. Sil.ool.
Sh. DRG

44. ls. To h. Sil. Foss.

Sh. Gy. ls. Towh. Sil. Foss. Sil. Chly.

Pool. To chly. Foss. Sil. Foss.

ls. wt. V/S: Foss. Sil. Chly.

16. To h. Sil. Δ

Sh. Li. Ca. ls. Lt. R. V/S: Foss.

ls. wt. Sil. Foss. Sil. Chly. P. F. Y. G. DR. Sil. Spill. Sil. V/S: Foss. No Flow. No. Oiler (4350.30)

15. wt. Sil. Chly.

Sh. DR 44 ls. Lt. Bur. G. V/S: Foss.

Sh. Lt. Bur. G. ls. wt. Sil. Foss.

ls. wt. Sil. Foss. V/S: Chly. P. F. Y. G. Sil. DR. Sil. Spill. No. Foss. No. Oiler (4350.30)

V/S: 44
WT: 92
W/L: 96
C/L: 8000

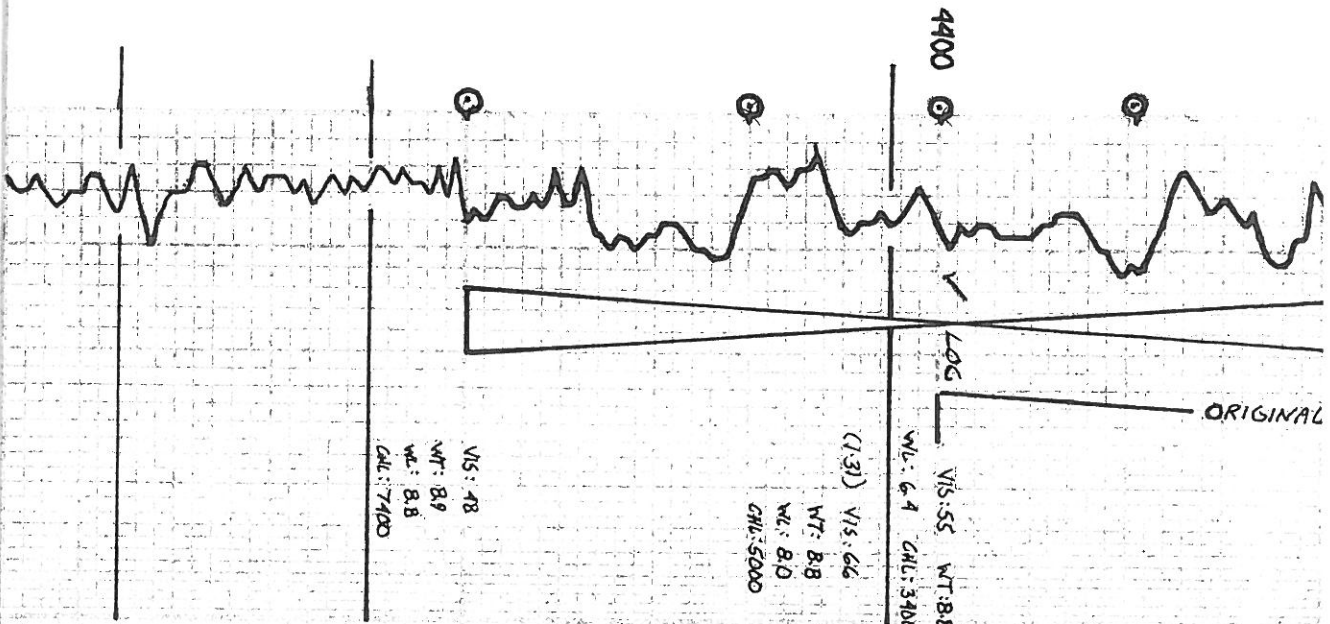
DST

ORIGINAL DST (?) INTERVAL

Attempted. Dst. Lt. (4312.4400)
Borehole Stuck on Short Trip.
@ Approx. 3855' (15 Stands) out.

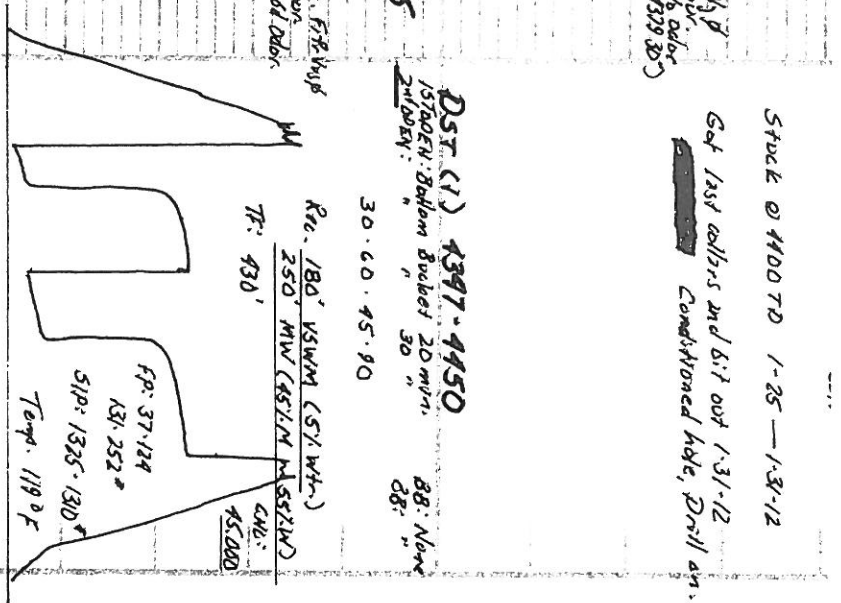
Stuck @ 4400 TD 1-25 - 1-31-12

Got last collars and bit out 1-31-12
Conditioned hole, Drill on.



54. 1' Blue ls.
 45. 4' Sil. Foss.
 44. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 43. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 42. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 41. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 40. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 39. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 38. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 37. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 36. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 35. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 34. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 33. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 32. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 31. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 30. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 29. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 28. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 27. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 26. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 25. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 24. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 23. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 22. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 21. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 20. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 19. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 18. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 17. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 16. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 15. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 14. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 13. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 12. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 11. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 10. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 9. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 8. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 7. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 6. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 5. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 4. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 3. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 2. 1' Sil. Foss. ls. ch. ls. P. F. N. P.
 1. 1' Sil. Foss. ls. ch. ls. P. F. N. P.

4400-1145
 4400-1200
 4486-1226



4400-1145
 4400-1200
 4486-1226

4500



4600

Sh. Ed. G.

Sh. L. G. G.

LS. W.P. L. G. VSI: Foss. S. A.

Sh. Br. R. L.

LS. G. VSA Foss.

LS. wt ool. Calotte.

Sh. L. G.

LS. L. G. Dm. VSI: Chlg.

LS. Tm. wt. S. Chlg.

LS. G. Dm.

Sh. O. G.

PAWNEE 1596-1536

A. G. Cl. Foss.

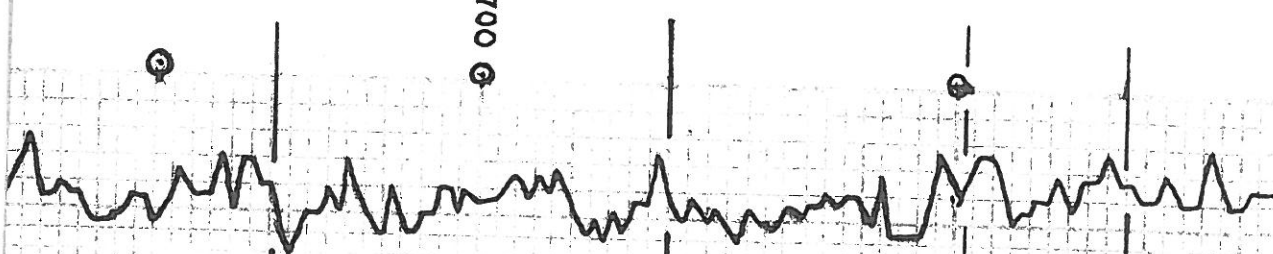
LS. Tm. G. VSI: Foss. S. A.

LS. Tm. S. A.

Sh. BLUE Camb.

LS. DE B. VSI: Foss.

Sh. G.



56. BLE Galt.
 56 G.
 45. DE 84 VSI: F585.

MYRICK STATION 4632-1372
 45. Tally. Sh. w/ w/ l. S: D. Du. 2 1/4 y. Wt.

45. RA. VSI: 6147th.
 54. BLE Galt.

FORT SCOT 4699-1389
 45. T. 6 1/2 y. S: F585 S: 4 1/2 y. S: F585
 45. T. 6 1/2 y. S: F585 S: 4 1/2 y. S: F585
 45. T. 6 1/2 y. S: F585 S: 4 1/2 y. S: F585

45. w/ l. 1 1/4 y. S: RA S: A

45. 2 1/4 y. Du.

CHEROKEE 4680-1420
 54. BLE Galt.

45. T. RA. S: A

45. w/ l. 6 1/2 y. VSI: F585 S: D. Du. P. 1 1/2 y.
 T. 4 1/2 y. T. RA. Du. 1 1/2 y. Floor. W. 1 1/2 y. (4700)

45. T. 1/2 y. Du.
 54. Ob. G. y. 4. 4 1/2 y.

54. W. y. 1 1/2 T. w/ l. 6 1/2 y. S: 4 1/2 y.

JOHNSON 4722-1462
 45. T. 6 1/2 y. S: F585 S: D. P. 1 1/2 y.
 DE. RA. 800 SW. F585. T. 6 1/2 y. W. 1 1/2 y. (4731)

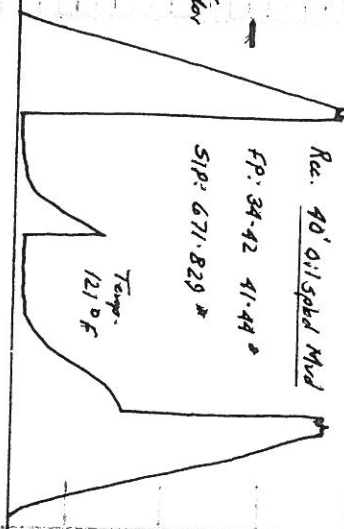
45. T. 1/2 y. VSI: F585.

45. T. w/ l. 5 1/2 y. S: A

56. 4781m.

DST(22) 4698-4734
 1300m. Blow built to 1"
 2nd year: " " 1/2"

30. 60. 45. 90



65. To 100 VSA FLO. 7 BLS MTS. 40 Yrs. 8
A B. G.
MORROW **7762-1502**

Sh. Yellow Blue. Cr.
Sdy. Pinkish. - 3h. Purple
Ll Blue Sdy sh.

Sd. Ch. wt. To 100. To 60. Cr. Sub. M. of. M. F. of.

Sd. Ch. wt. 100. 60. Cr. R. Sub. R. M. of. M. F. of.
Sh. Yellow. Cr.

MISSISSIPPI **1009-1319**
L. To 100. D. 511A

65. To. wt. 511A

65. To. 100. 001. Sdy.

Sh. L. Blue.

65. To. wt. 511A

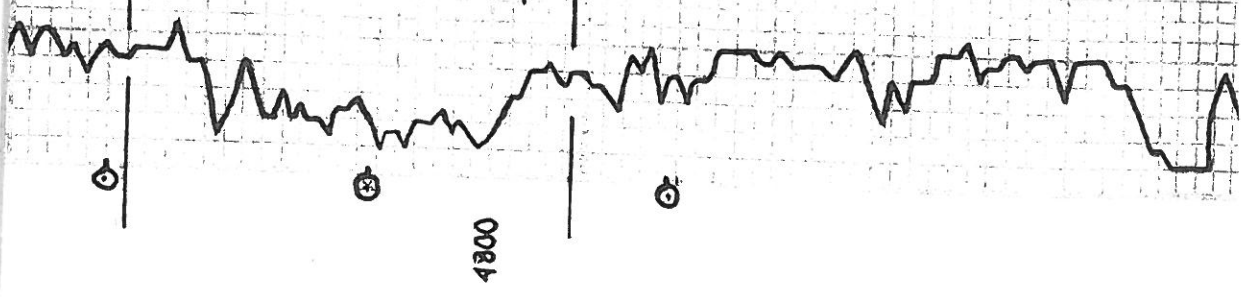
65. To. wt. 511A

65. To. wt. 511A

✓ MORROW LOG

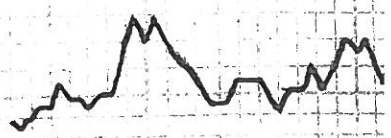
✓ MISSISSIPPI LOG

VIS: 57
WT: 8.9
WL: 11.6
CHL: 9400





4900



RTD 4914-1654

41. ext. 587001-10511 5874

A W. Dwyer

Det. T. G. Fawcett, Dr.

45. G. Du.

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

March 05, 2012

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

Re: ACO1
API 15-193-20834-00-00
Wieland/Epard 1
NW/4 Sec.33-09S-34W
Thomas 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

GENERAL INFORMATION

Client Information:

Company: RAYMOND OIL CO. INC.

Contact: TED McHENRY

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: WIELAND/EPARD #1

Operator: RAYMOND OIL CO. INC.

Location-Downhole:

Location-Surface: S33/9S/34W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D1087

Test Unit:

Start Date: 2012/02/01 Start Time: 17:00:00

End Date: 2012/02/02 End Time: 01:40:00

Report Date: 2012/02/02 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 180' SLIGHTLY WATER CUT MUD, 250' MUDDY WATER



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

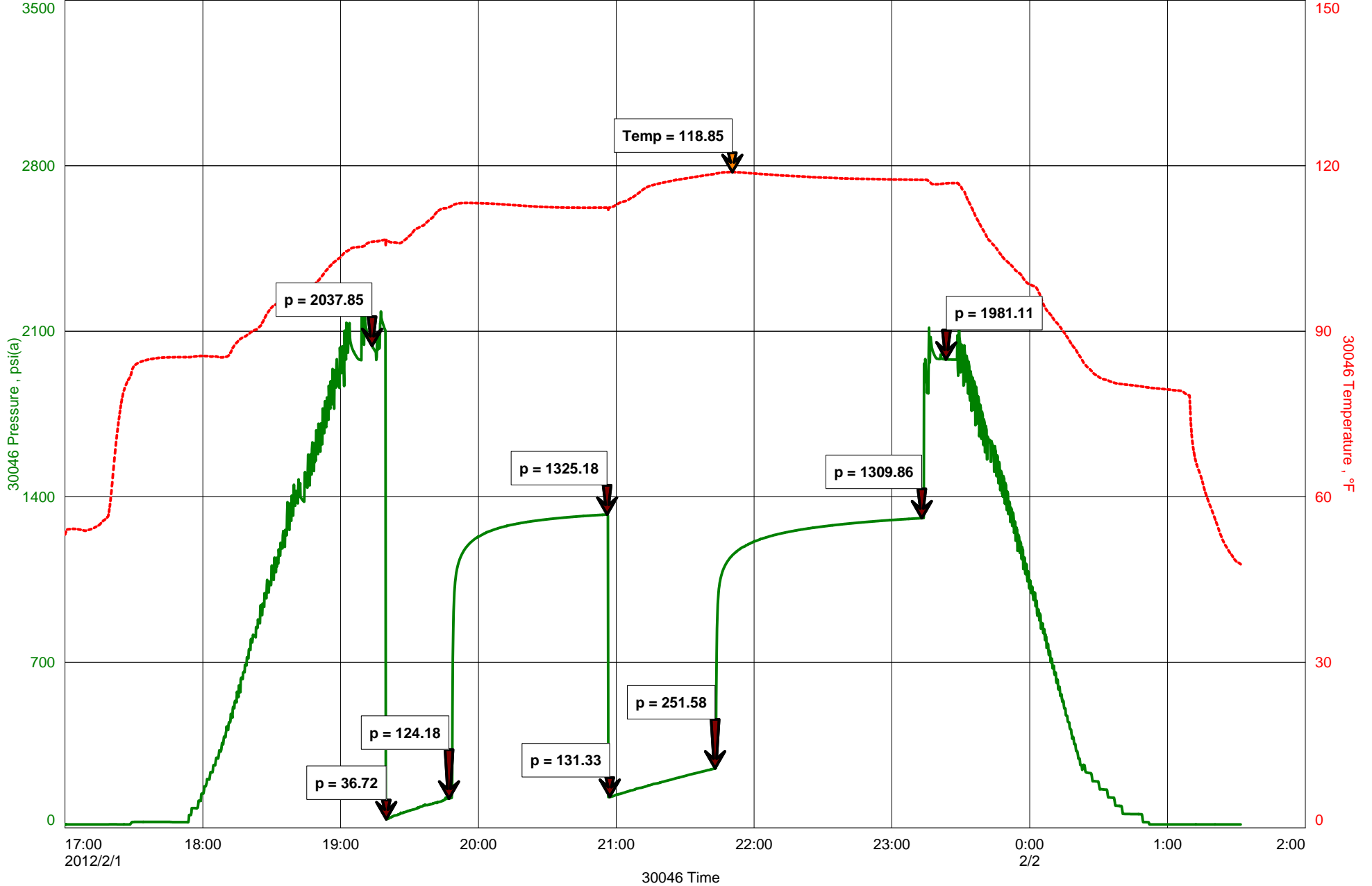
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	Insurance
	Total

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.

WIELAND/EPARD #1



GENERAL INFORMATION

Client Information:

Company: RAYMOND OIL CO INC

Contact: TED McHENRY

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: WIELAND/EPARD #1

Operator: RAYMOND OIL CO INC

Location-Downhole:

Location-Surface: S33/9S/34W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D1088

Test Unit:

Start Date: 2012/02/03 Start Time: 09:30:00

End Date: 2012/02/03 End Time: 17:05:00

Report Date: 2012/02/03 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 40' OIL SPECKED DRILLING MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

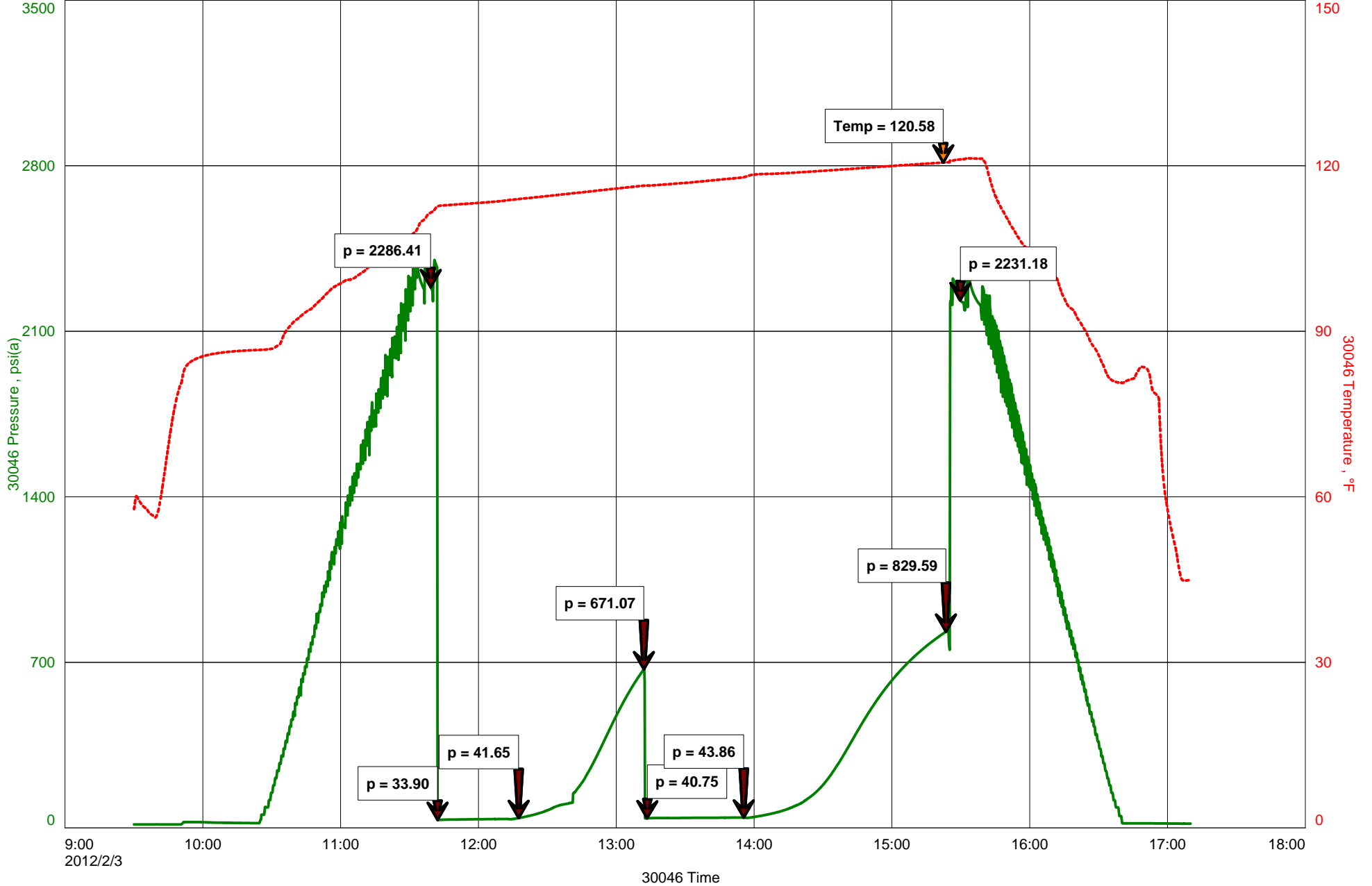
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	Insurance
	Total

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.

WIELAND/EPARD #1



KIM B. SHOEMAKER

CONSULTING GEOLOGIST

315-684-9100 • WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>RAYMOND OIL COMPANY, INC.</u>	ELEVATIONS
LEASE <u>#1 WIELAND/EPARD</u>	KB <u>3260</u>
FIELD <u>WILDCAT</u>	DF _____
LOCATION <u>1376' FWL & 2565' FNL</u>	GI <u>3255</u>
SEC <u>33</u> TWP <u>9s</u> RGE <u>34w</u>	Measurements Are From
COUNTY <u>THOMAS</u> STATE <u>KANSAS</u>	From <u>3260 KB</u>
CONTRACTOR <u>L.D. DRILLING, INC.</u>	<u>13 3/8" CASING</u>
SPUD <u>1-16-12</u> OIL UP <u>2-5-12</u>	RELEASE <u>302'</u>
RTD <u>4914</u> LTD <u>4906</u>	PRODUCTION _____
MUD UP <u>3483</u> TYPE MUD <u>CHEMICAL</u>	ELECTRICAL SURVEY _____
	DUAL IND., DENS.-N.

SAMPLES SAVED FROM	3800	TO	4914
DRILLING TIME KEPT FROM	3750	TO	4914
SAMPLES OBTAINED FROM	3800	TO	4914
GEOLOGICAL SUPERVISOR FROM	3800	TO	4914

FOUNDER OF WELL KIM B. SHOEMAKER

FORMATION TOPS	LOC	SAMPLES	
ANHYDRITE	2790+ 470	2796+ 464	
B/ANK.	2820+ 440	2826+ 434	
STOTLER	3798- 538	3801- 541	
HEEBNER	4135- 875	4139- 879	
LANSING	4175- 915	4177- 917	
STARK	4399- 1139	4405- 1145	
MARMATON	4488- 1228	4486- 1226	
FORT SCOTT	4648- 1388	4649- 1389	
CHEROKEE	4677- 1417	4680- 1420	
MISSISSIPPI	4802- 1542	4809- 1549	

1-16-12 SPUD
 1-17 @ 305'
 1-18 @ 691'
 1-19 @ 1675'
 1-20 @ 2182'
 1-21 @ 2970'
 1-22 @ 3578'
 1-23 @ 4230'
 1-24 @ 4350'
 1-25 @ 4400'
 1-26 Stock @ 4100'
 1-27 "
 1-28 "

1-29 Stock @ 4100, Wisking Over
 1-30 "
 1-31 "
 2-1 @ 4400'
 2-2 @ 4190'
 2-3 @ 4734'
 2-4 @ 4880'
 2-5 @ 4914'

API: 15-193-20834

LEGEND



Airflow Day Seals Stone Gravel Sandstone Gravel Shell Lignite

FORT LINDO CASE IN 4000 FEET
 PER FOOT
 Feet of lithological formation

EXAMPLE DESCRIPTIONS

2750
 2760

LITHOLOGY

REMARKS

2850

2800



8/ANAL. 2826 + 434

ANHYDRITE 2796 + 464

3750

3800

STOTLER 3801-541

Sh. Gr. Silty.

ls. T₁ VSK Foss. Sil. Calc. etc.

ls. G. Sil. Foss.

Sh. Lity.

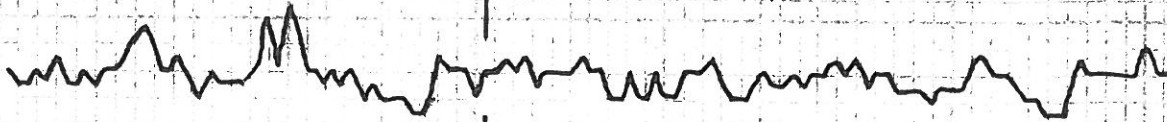
ls. wt. Sil. Foss. Sil. Δ

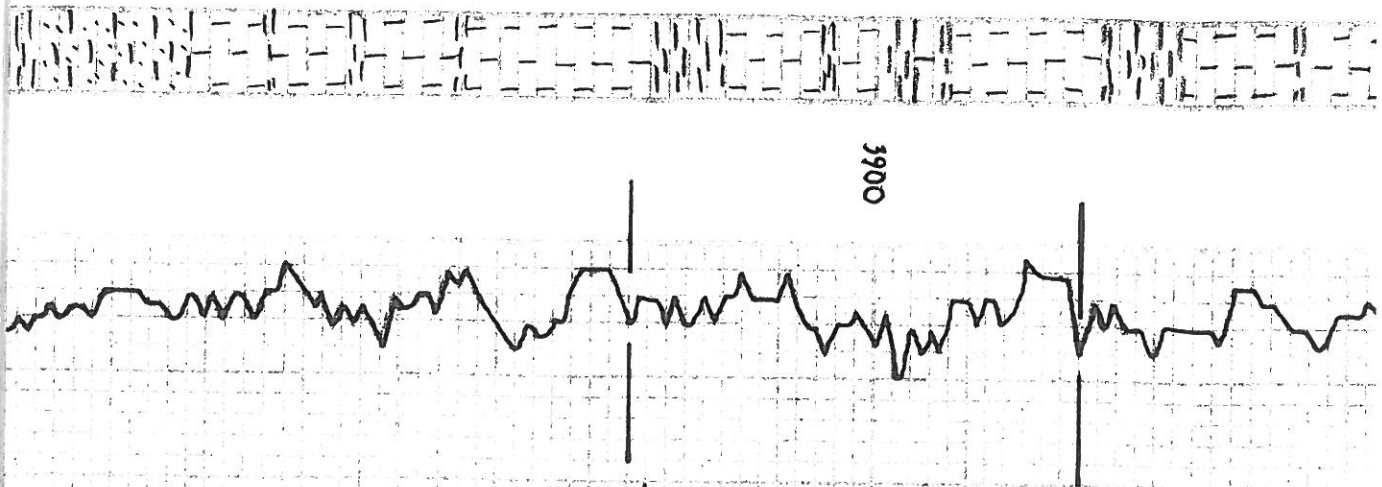
Sh. G. Lity.

ls. wt. Sil. Chilly.

ls. wt. Sil. Foss. Sil. Chilly.

Sh. Gr. Silty.





3900

HOWARD

3878
- 618

TOPEKA

3926
- 666

V15: 48

15. wt. 51: 2614.

15. wt. 51: 2651. 51: 2614.

56. 214. 5114.

15. 72. wt. 51: 2651. 51: 2614.

56. 214. 15. 72. wt. 51: 2651. 51: 2614.

15. wt. 51: 2651. 51: 2614.
(1) 25. 214. 51: 2651.
wt. 51: 2614.
(39912)

56. 214. 5114.

15. wt. 51: 2651. 51: 2614. 51: 2614.

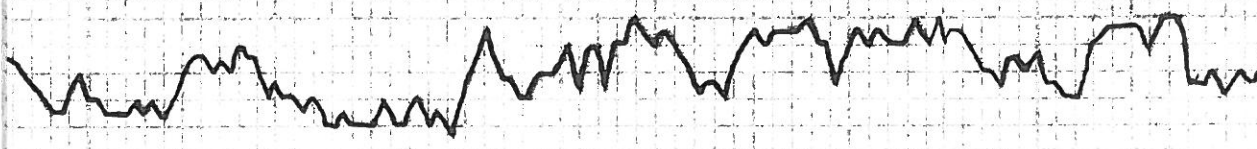
15. 8. 5. wt. 51: 2651.

15. wt. 51: 2651. 51: 2614.

15. wt. 51: 2651. 51: 2614.

56. 214. 5114.

WT: 8.9
WL: 10.4
CAL: 9700



ES. wt. 2.1g. vol. Foss. 5:4

ES. wt. Vchily.

ES. 8. 2.1g. VSI Foss.

ES. wt. 2.1g. Foss. Colat.

Sh. 2.1g. ES. 8. 2.1g. Foss.

Sh. 2.1g. Sily.

ES. wt. 2.1g. Foss. Colat.

Sh. 2.1g. Col.

ES. 7. V Foss in 5:10. Delanthen.

6. 6.

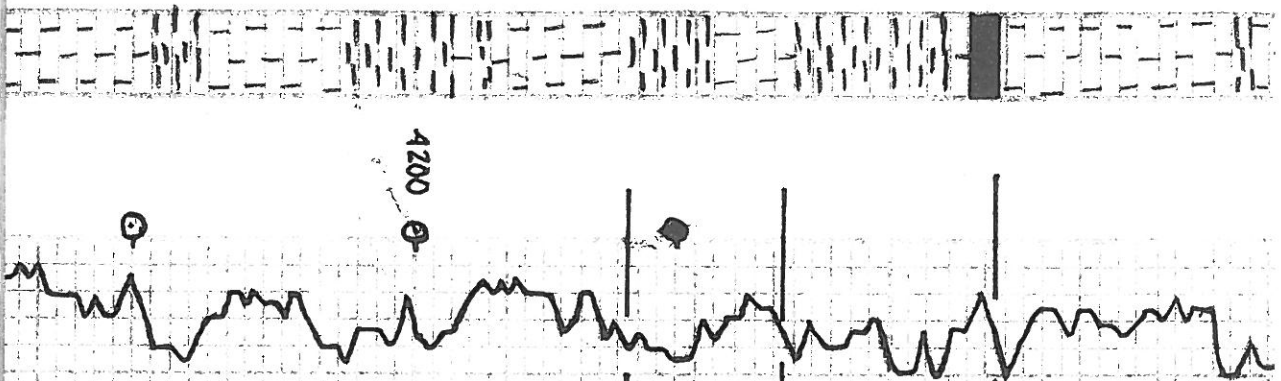
ES. wt. 2.1g. Foss. Colat.

ES. wt. 2.1g.

ES. wt. 2.1g. vol. VSI Chily.

4000

4100



TORONTO

LS. wt. 644g.
 LS. wt. 644g. ad. VSI. 6414.

HEEBNER 4159-879
 S6. BLE CARB.

S6. 644g. Lw.

LS. wt. 644g. S1. RAS w/ 024. 865.

S6. 644g. Lw.

LANSING 4177-917

LS. wt. ad. S6A

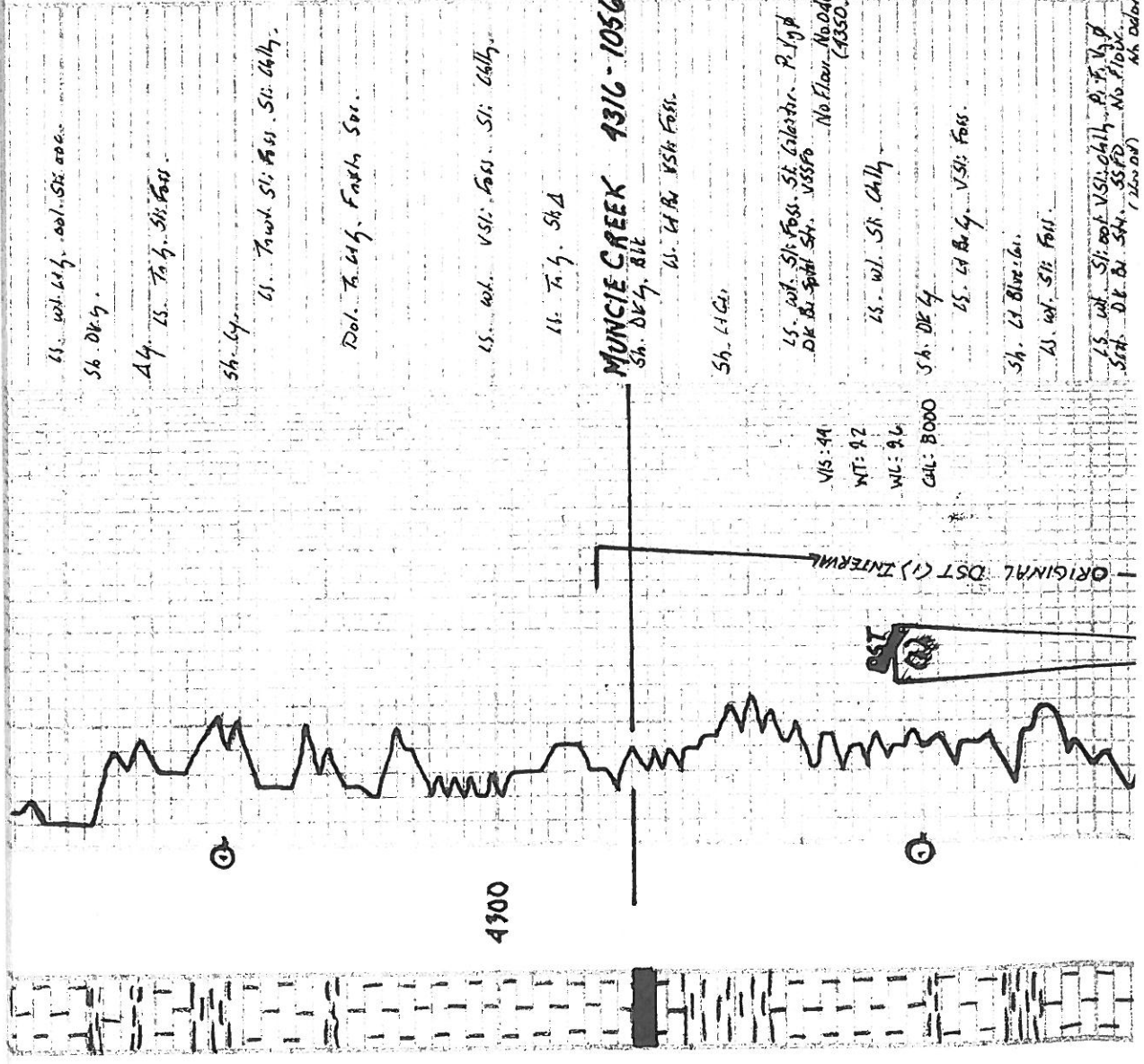
LS. 644g. D91.

S6. 644g. Ad. Lw.

LS. 7x wt. ad. VSI. 6416/17.

S6. 644g. Lw.

LS. wt. ad. VSI. 6414.



ls. wt. L.G. wt. S.S. etc.
Sb. DE G.

44 ls. T.G. S.S. Foss.

Sh. G.
ls. T. wt. S.S. Foss. S.S. Chalk.

Dol. T. G. Foss. S.S.

ls. wt. V.S.I. Foss. S.S. Chalk.

ls. T. G. S.S.

MUNCIE CREEK 4316-1056
Sb. DE G. BIT

ls. L.G. V.S.I. Foss.

Sb. L.G.

ls. wt. S.S. Foss. St. Galena. P. G. G.
DE. DE. S.S. V.S.S.F. No. Flow. No. Flow.
(4350, 300)

ls. wt. S.S. Chalk

S.A. DE G.

ls. L.G. V.S.I. Foss.

Sh. L. Blue. G.

ls. wt. S.S. Foss.

ls. wt. S.S. wt. V.S.I. Chalk. P. F. G.
Sb. DE. DE. S.S. S.S.F. No. Flow.
(4350, 300)

ORIGINAL DST () INTERNAL

VIS: 44
WT: 92
WL: 96
GUL: 8000

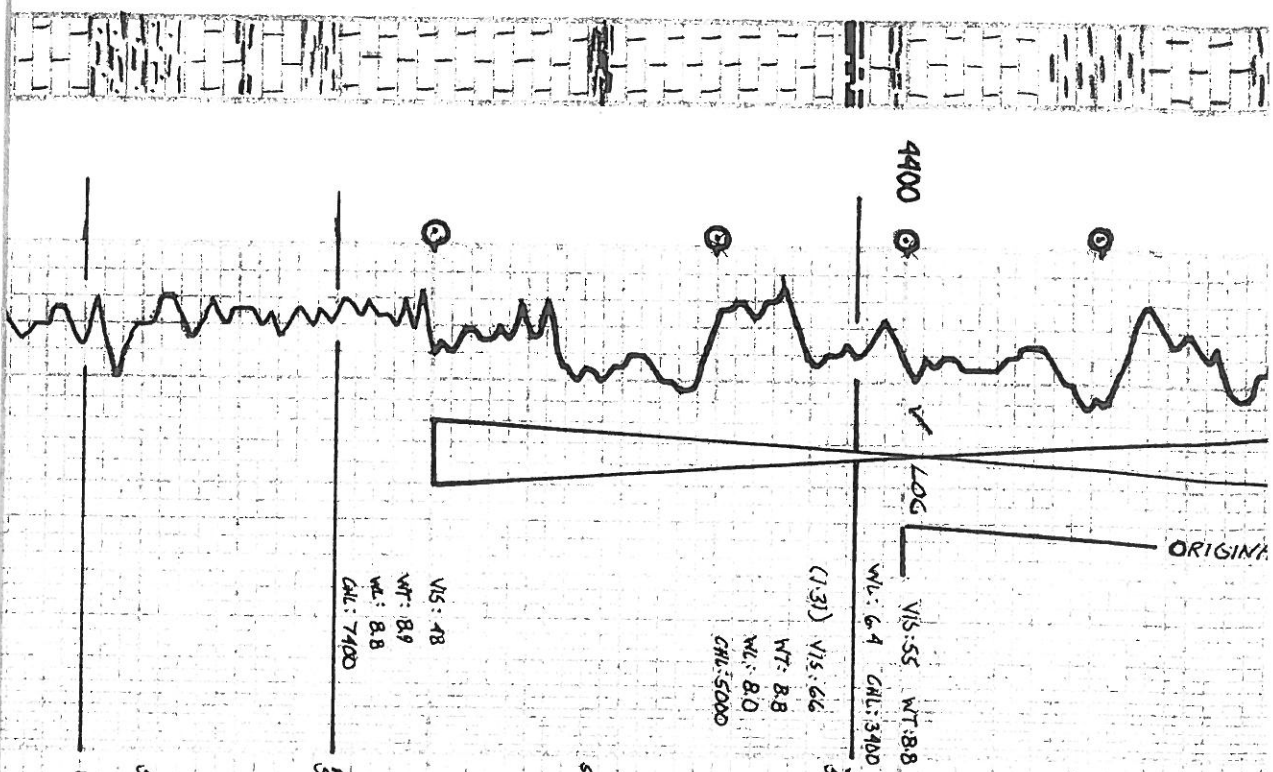


Attempted Dst. () (4312-4400)

Beams Struck on Short Trip.
@ Approx. 3455'. (15 Strands) out.

Stuck @ 4400 TD 1-25 - 1-31-12

Got last collars and bit out 1-31-12
Conditioned hole, Drill on.



15. wt. Sil. Fall
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 15. wt. Sil. Fall
 15. wt. Sil. Fall

STUCK @ 4400 TD 1-25-1-31-12
 Get last collars and sit out 1-31-12
 Conditioned hole, Drill out

DST (1) 4397-4450
 1500EN: Bottom bucket 20 m/n.
 ZIMDEN: " " " " 30 "
 30.60.45.90
 RR. 180' USWM (.5% WT.)
 250' MW (.45% WT.)
 TR: 430'
 FR: 37.124
 KR: 252
 SLP: 1325-1310
 Temp. 119°F
 CML: 45.000

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 TR: 430'
 FR: 37.124
 KR: 252
 SLP: 1325-1310
 Temp. 119°F
 CML: 45.000

4600



4600

Sh. Ed. Co.

Sh. LA Co. Co.

ES. Wt. LA Co. VSI. Foc. S/A

Sh. Br. Rd.

ES. G. VSI. Foc.

ES. Wt. ook. Celestite.

Sh. LA Co.

ES. LA Co. Don. VSI. Chlg.

ES. Pa. Wt. S/A Chlg.

ES. G. Don.

Sh. S/A

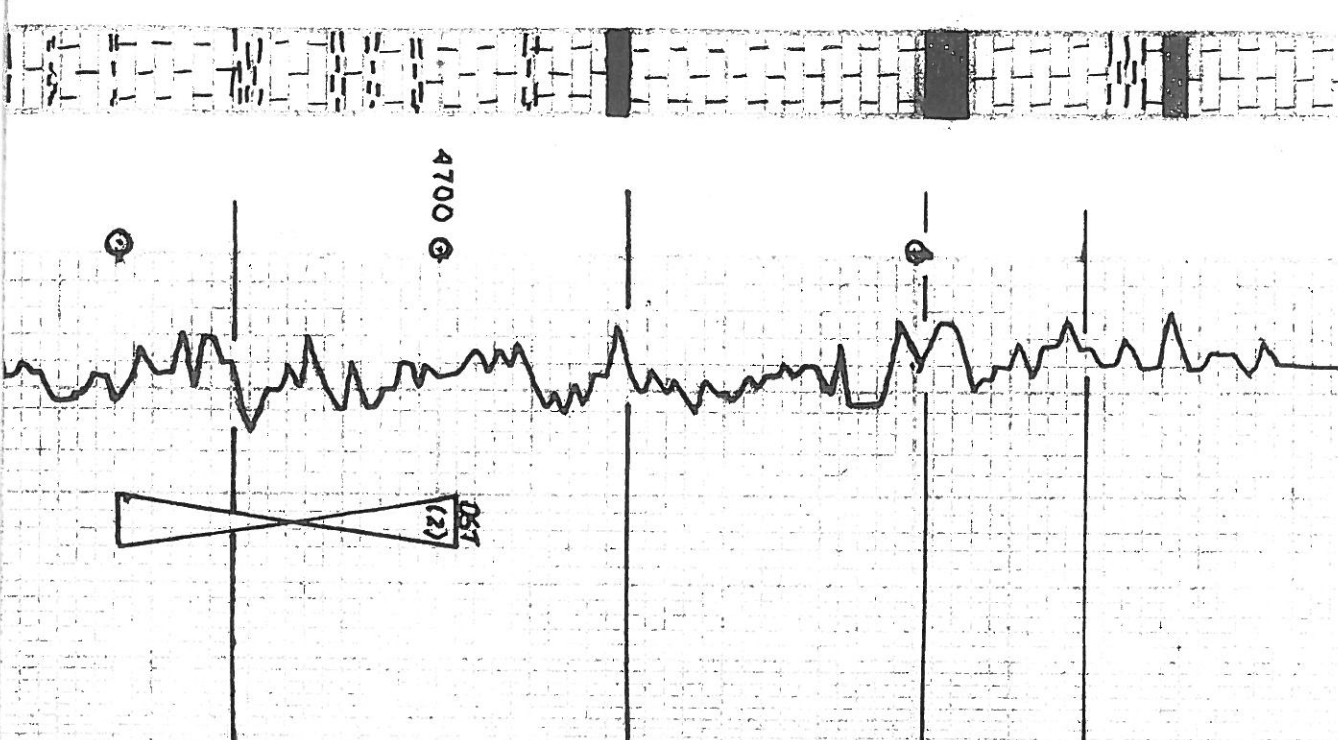
PAWNEE 4596-1336

A. G. Ch. Trav.

ES. Pa. G. VSI. Foc. S/A

ES. Pa. S/A

ES. BUE. Co. L.
ES. DE. B. VSI. Foc.



45. T.G. V.S.I. Road. S.D.

54. Blue Conf.
45. Dr. B. V.S.I. Road.

MYRICK STATION 4632-1372

45. T.G. V.S.I. Road. S.D. 2 1/2 mi. W.

54. Blue Conf.

FORT SCOT 4649-1389

45. T.G. V.S.I. Road. S.D. 2 1/2 mi. W.

45. Dr. B. V.S.I. Road. S.D.

45. T.G. V.S.I. Road. S.D.

45. T.G. V.S.I. Road. S.D.

CHEROKEE 4680-1420

45. T.G. V.S.I. Road. S.D.

45. T.G. V.S.I. Road. S.D. 2 1/2 mi. W.

45. T.G. V.S.I. Road. S.D.

45. T.G. V.S.I. Road. S.D.

45. T.G. V.S.I. Road. S.D.

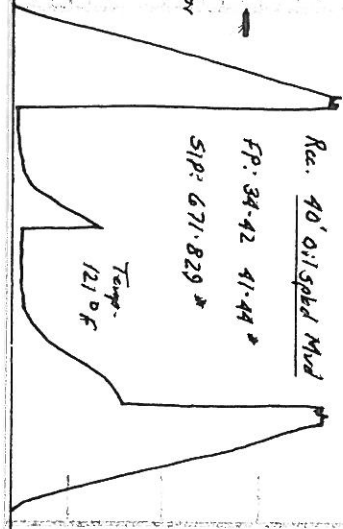
JOHNSON 4722-1462

45. T.G. V.S.I. Road. S.D. 2 1/2 mi. W.

45. T.G. V.S.I. Road. S.D.

45. T.G. V.S.I. Road. S.D.

DST (2) 4698-4734
1500 ft. Blow built to 1 1/2" intervals.
30. 60. 45. 90



Sh. Zebra
AS. Tr. Br. VSA FRO. 7 BLS Mrg. Sdg.
46 Yrs. 8
A B. G.
MORROW 4762-1502

Sh. Yellow Bln. Co.
Sdg. Pktsch. - Sh. Purple
4 Bln Sdy Sdg.

Sd. Ctr. w/ Fg. Hd. Tr. Co. Co. Sdg. Hd. w/ Mrg. Sdg.
Sd. Ctr. w/ Mrg. Co. Rd. Sdg. Rd. w/ AT Mrg. Sdg.
Sh. Yellow Co.

MISSISSIPPI 4809-1549
LS. Tr. Br. Dg. Sdg.

LS. Tr. w/ Sdg.
LS. Tr. Ltg. ool. Sdg.
Sh. Address

LS. Tr. w/ ool. Sdg.
LS. G. ool. Sdg. Sdg.

Dol. w/ Tr. X-ray/a. Sdg. Dull Mrg. Flour

✓ Morrow LOG

✓ MISS LOG

VIS: 57
WT: 8.9
WLC: 11.6
OHL: 9400

4800

4900

⊙

RTD 4914-1654

Doc. W. T. Vinkles Sr. - Bull. Her. Floor

41. ext. Street 1831. 5th. St. 21

A. W. Dwyer

Doc. T. G. F. W. D. Dr.

45. G. Dr.