



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1083319
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: _____

1083319

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> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

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

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 33803
LOCATION Oakley #5
FOREMAN Miles Shaw
Donnie Tate

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-6-12	7158	Riebel trust Ban.#1	33	18S	27W	Leone KS
CUSTOMER <u>Raymond oil</u>			Alamota			
MAILING ADDRESS			15 West into			
CITY			TRUCK #	DRIVER	TRUCK #	DRIVER
STATE			463	Josh G		
ZIP CODE			439	Cody R		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4693 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk 6.7 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Bafob, meeting R.g up on L D plus as ordered
1st 50 sks @ 2010'
2nd 80 sks @ 1200'
3rd 50 sks @ 1000'
4th 50 sks @ 290' 280 sks 60/40 48 gal 1/4" Flo seal
5th 20 sks @ 60'
RH 30 sks @

Thank s miles + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325.00	1325.00
5406	25	MILEAGE	5.00	125.00
5407A	12.04	for mileage delivery	1.47	502.67
1131	280 sks	60/40 Cement Poz mix	15.10	4228.00
1118B	963.2 #	Bentonite gel	.25	240.80
1107	70 #	Flo seal	2.82	197.40
4432	1	8 5/8 Wooden Plug	96.00	96.00
			Subtotal	6714.87
			less 10% discount	671.48
			Subtotal	6043.39
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

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

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

June 05, 2012

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

Re: ACO1
API 15-101-22352-00-00
Riebel Trust B Unit 1
NE/4 Sec.33-18S-27W
Lane County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Ted McHenry



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Company, Inc

33 18 27 w

P.O. Box 48788
Wichita, Ks
67202+1822

Riebel Trust B #1

Job Ticket: 46464

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2012.04.05 @ 04:50:02

GENERAL INFORMATION:

Formation: **Cherokee sands**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:55:10

Time Test Ended: 12:07:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Cole Archibald

Unit No: 37

Interval: **4502.00 ft (KB) To 4525.00 ft (KB) (TVD)**

Reference Elevations: 2623.00 ft (KB)

Total Depth: 4525.00 ft (KB) (TVD)

2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 3.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 16.52 psig @ 4503.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.05

End Date:

2012.04.05

Last Calib.:

2012.04.05

Start Time:

04:50:02

End Time:

12:07:49

Time On Btm:

2012.04.05 @ 06:54:10

Time Off Btm:

2012.04.05 @ 10:28:50

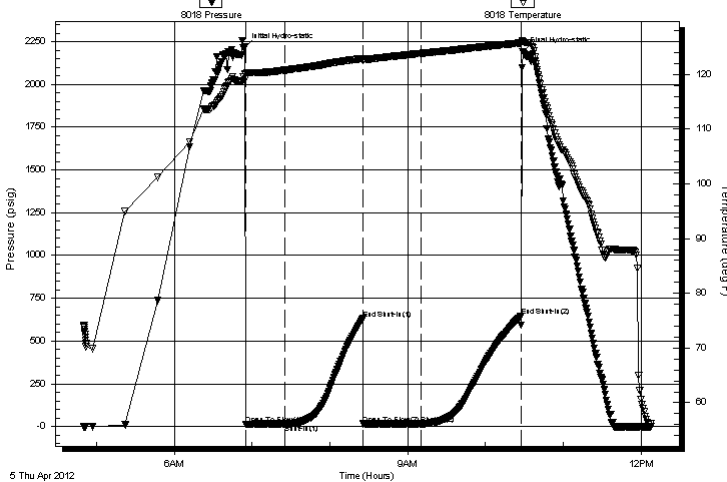
TEST COMMENT: 1/4 inch surface blow

No return

No blow

No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2217.40	120.05	Initial Hydro-static
1	14.40	119.95	Open To Flow (1)
31	15.86	120.78	Shut-In(1)
92	630.52	122.91	End Shut-In(1)
92	15.66	122.55	Open To Flow (2)
136	16.52	123.84	Shut-In(2)
214	644.82	125.74	End Shut-In(2)
215	2193.17	125.95	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company, Inc

33 18 27 w

P.O. Box 48788
Wichita, Ks
67202+1822

Riebel Trust B #1

Job Ticket: 46464

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2012.04.05 @ 04:50:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	M 100% M	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

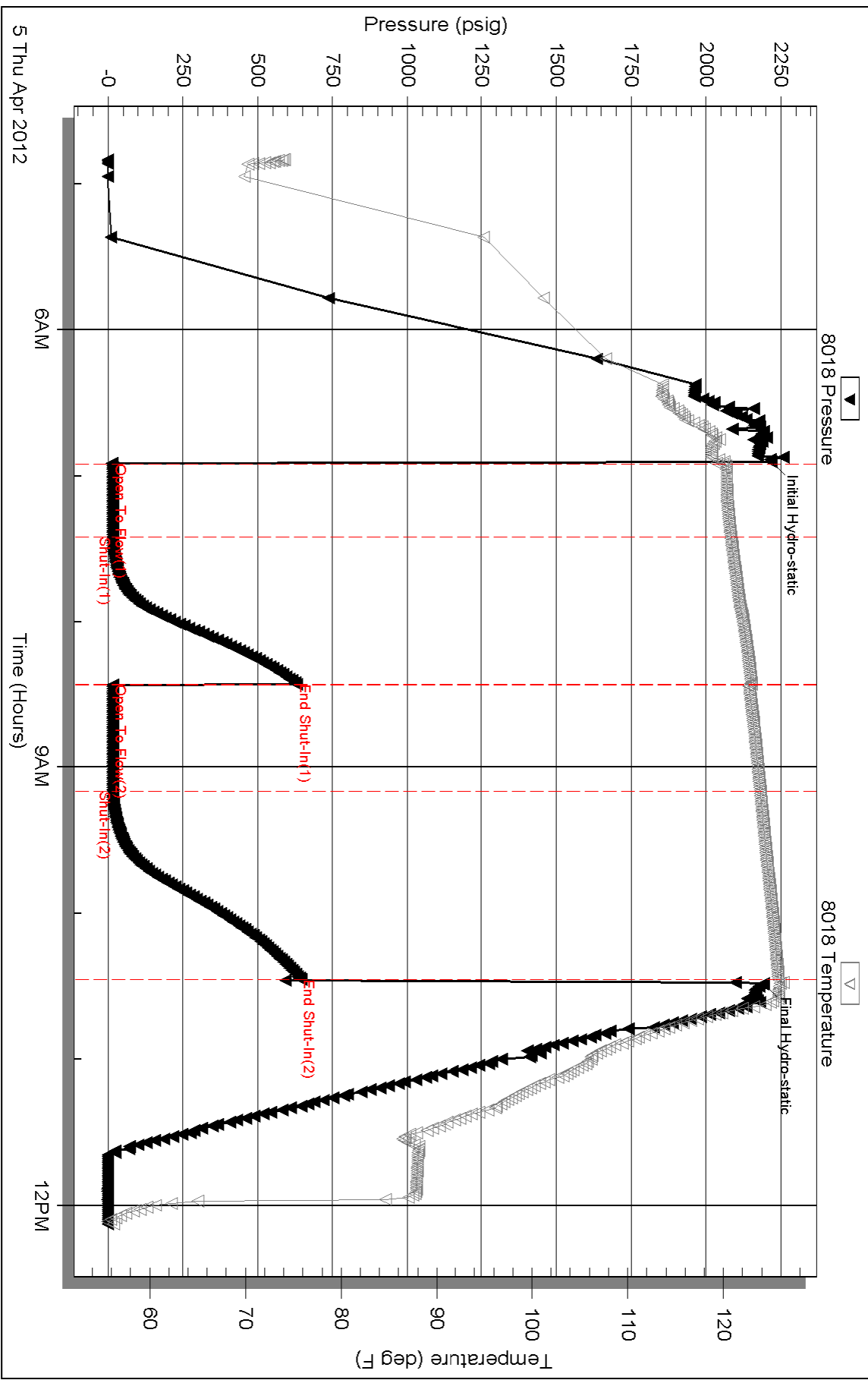
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

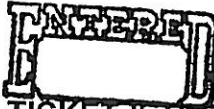
Pressure vs. Time





CONSOLIDATED
Oil Well Services, LLC

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



FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 33803

LOCATION Oakley KS

FOREMAN Miles Shaw

Donnie Tate

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
4-6-12	7158	Rebel trust Ban.t #1	33	18S	27W	Lane MS	
CUSTOMER <u>Raymond oil</u>			Alamata				
MAILING ADDRESS			15 Westinfo				
CITY		STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
				463	Josh G		
				439	Cody R		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4693 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk 6.7 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Batch meeting R. & up on L.D. plus as ordered
1st 50 sks @ 2010'
2nd 80 sks @ 1200'
3rd 50 sks @ 1000'
4th 50 sks @ 290' 280 sks 60/40 48 gel 1/4" # Pased
5th 20 sks @ 60'
RH 30 sks @

Thank s Miles + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325.00	1325.00
5406	25	MILEAGE	5.00	125.00
5407A	12.04	for mileage delivery	1.47	502.67
1131	280 sks	60/40 Cement Pac mix	15.10	4228.00
1118B	963.2 #	Bentonite gel	.25	240.80
1107	70 #	Flo seal	2.82	197.40
4432	1	8 5/8 Wooden Plug	96.00	96.00
			Subtotal	6714.87
			less 10% discount	6043.39
			Subtotal	6043.39
			SALES TAX	270.02
			ESTIMATED TOTAL	6313.41

Ravin 3737

AUTHORIZATION [Signature]

TITLE _____

DATE _____

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



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 36357

LOCATION OAKLEY

FOREMAN Kevin McCoy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-29-12	7158	Riebel Trust B UNIT # 1	33	18S	27W	LANE KS
CUSTOMER Raymond Oil Co.		LD DRIG.	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 48788			463	Josh G.		
CITY Wichita			439	Merle R.		
STATE KS	ZIP CODE 67202					

JOB TYPE SURFACE HOLE SIZE 12 1/4" HOLE DEPTH 265' KB CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 261' KB DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8# SLURRY VOL 42 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
 DISPLACEMENT 15.5 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 8 5/8 Csg. BREAK Circulation. MIXED 175 SKS CLASS "A" Cement w/ 3% CaCl2, 2% Gel @ 14.8 #/gal. Displace w/ 15.5 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	25	MILEAGE	5.00	125.00
1104 S	175 SKS	CLASS "A" Cement	17.65	3088.75
1102	494 *	CaCl2 3%	.89	439.66
1118 B	329 *	Gel 2%	.25	82.25
5407	8.23 TONS	Ton Mileage Bulk Delv.	M/K	410.00
			Sub Total	5230.66
			Less 10%	523.06
			Sub Total	4707.60
			SALES TAX	204.72
			ESTIMATED TOTAL	4912.32

248668
THANK YOU
M

6.3%

Ravin 3737

AUTHORIZATION RW

TITLE LD DRIG Toolpusher

DATE _____

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

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-884-9709 • WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMP BY RAYMOND OIL COMPANY, INC.

LEASE # 1 RIEBEL TRUST B UNIT

WELL WILDCAT

LOCATION 2400' FNL $\frac{1}{2}$ 1645' FEL

SEC 33 TWP 18s RGE 27W

COUNTY LANE STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPR 3-28-12 COMP 4-6-12

RTD 4693 LTD 4691

MUD NR 3644 TYPE MUD CHEMICAL

ELEVATIONS

KB 2618 *

DF _____

GL 2613

Measurements Are All
From 2618 KB

CASING

SURFACE 8 5/8" @ 261'

PRODUCTION _____

ELECTRICAL SURVEYS

DUAL IND., DENS.-N.

SAMPLES SAVED FROM 3400 TO 4693

DRILLING TIME KEPT FROM 3400 TO 4693

SAMPLES EXAMINED FROM 3400 TO 4693

GEOLOGICAL SUPERVISION FROM 3700 TO 4693

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1977+ 641	1979+ 639
B/ANH.	2007+ 611	2009+ 609
WAB., STOTLER	3442- 824	3444- 826
HEEBNER	3872- 1254	3874- 1256
LANSING	3912- 1294	3914- 1296
STARK	4180- 1562	4182- 1564
MARMATON	4286- 1668	4288- 1670
FORT SCOTT	4434- 1816	4434- 1816
CHEROKEE	4457- 1839	4456- 1838
MISSISSIPPI	4542- 1924	4533- 1915



API: 15-101-22352

3-28-12 SPUD
 3-29 @ 265'
 3-30 @ 1400'
 3-31 @ 2535'
 4-1 @ 3200'
 4-2 @ 3605'
 4-3 @ 4080'
 4-4 @ 4375'
 4-5 @ 4525'
 4-6 @ 4693'

*: Dasiar operator raised elevations (1) foot from 2612.6L → 2613.6L

LEGEND

	Anhydrite		Salt		Sandstone		Shale		Cut of Limestone		Chert		Dolomite
--	-----------	--	------	--	-----------	--	-------	--	------------------	--	-------	--	----------

DRILLING TIME IN MINUTES
 PER FOOT

Note of Penetration Increase

5" 10" 15" 20" 25"

DEPTH
 1950

LITHOLOGY

SAMPLE DESCRIPTIONS

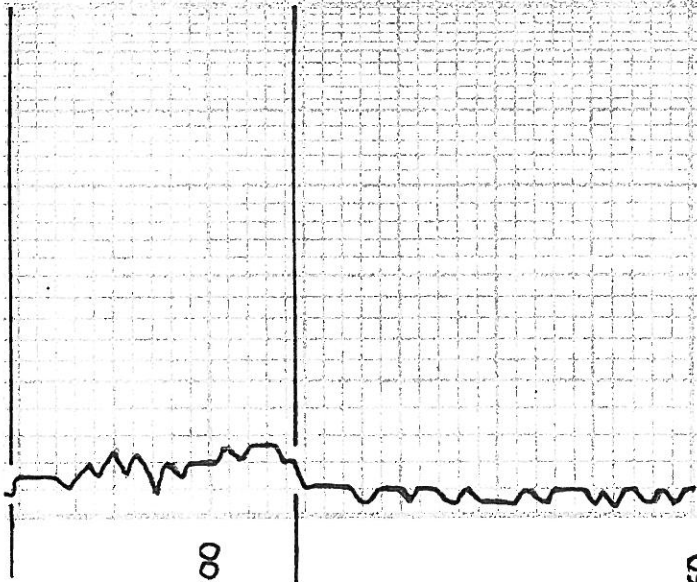
REMARKS

ANNYOKI.E 1717.607

B/ANN. 2009+609

2000

2050



SAMPLES ARE TAGGED

Sh. Gy. M. Silty

ls. Bk Gy. V. Silty Foss.

sh. L. Gy. Silty

WAB., STOTLER 3444-826

ls. W. T. Gy. Silty Foss.

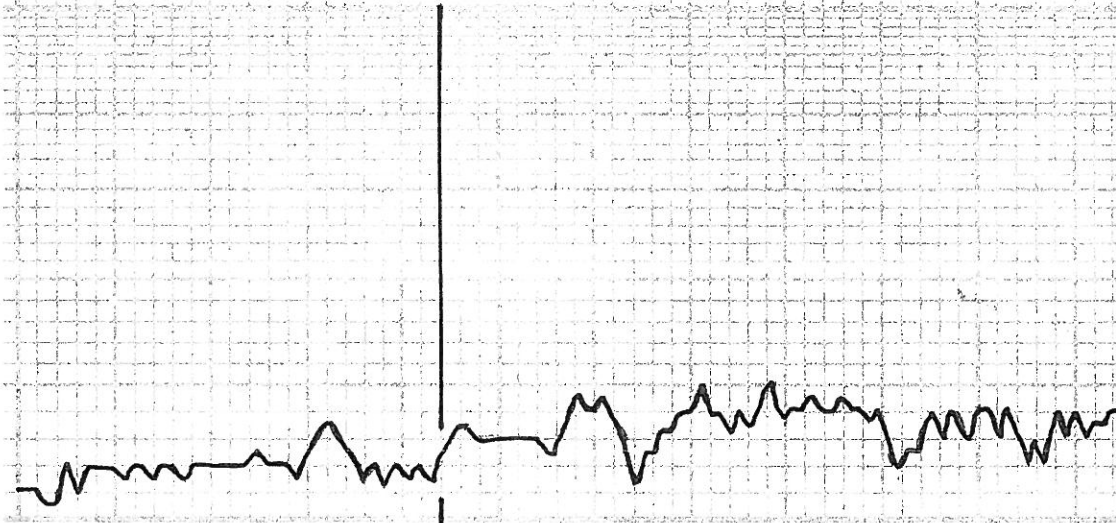
ls. T. W. Silty Foss.

ls. L. Gy. Silty w/ sh. gy. Foss.

ls. w. L. Gy. V. Silty Foss.

3400

3500



no. m-17. v. 11

Sh. Gy.

13. Gy. Sh. Foss.

Sh. dk. Gy.

13. B. V. Sh. Foss. St. A

13. T. Gy. Dm.

Sh. Gy.

13. B. Sh. Foss.

13. W. T. Sh. Foss.

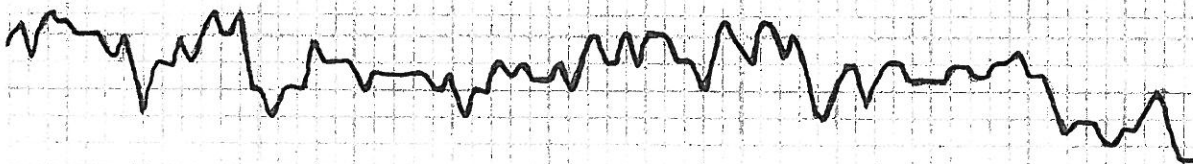
13. Gy. Dm.

13. W. T. Sh. Foss. Col. Foss.

A. Gy. Foss.

V. 13: 43

3600



API: 15-101-22352

3-28-12 SPUD
3-29 @ 265'

WT: 8.6
WL: 8.0
CAL: 3300

15. wt. oil. res. SKA

Sh. G. Bk

Sh. G. Bk

15. F. wt. Micro. osh

15. wt. G. oil. Foss. Calcutta

15. F. G. Dm.

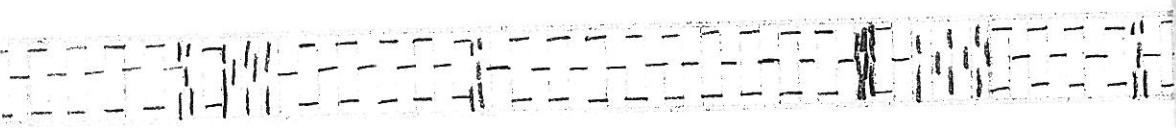
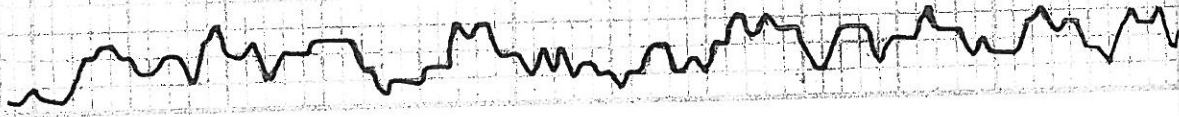
Sh. Bk

15. F. G. SKA Foss

Sh. G. Bk

15. wt. SKA Foss. SKA

3700



3800



LS. w/ 0.5k Foss SHZ

Δ T₁ R₁

SH 4.

LS. w/ T₁ SH 100k

LS. w/ T₁ Microm: Foss

LS. w/ 0.5k. SH Foss SH 0.1k,

LS. T₁ R₁. 0.01. 0.002.

LS. T₁ R₁. Foss SH Foss w/ 0.5k Foss

HEBNER

SH R₁ R₂ (3800)

3874-1256

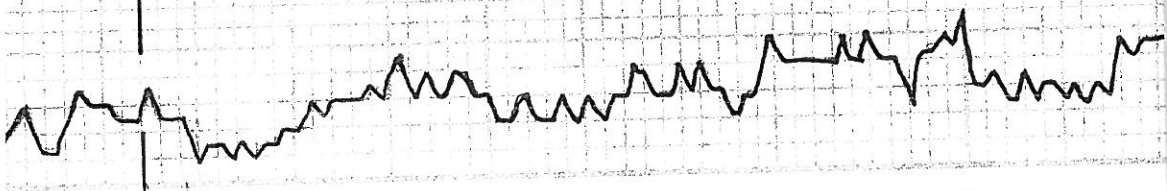
LS T₁ R₁ R₂ SH SH R₁

SH. 4V 6k

LS. T₁ R₁ R₂. SH Foss.

3700

4000



56. 1496
LANSING 3914-1296

15. wt. ool. Str A

A wks.

15. To by On
54 0147.

66. Gr. 646.

A wks.

15. To wt. Stood SIS A

56. 1496.

15 wt. Stood. SIS Chilly.

21. To wt. On.

15. To wt. SIS 150-000. VSIS Chilly.

15. wt. chilly.

LS. 74 g. SF. 0415.

LS. 74 V.S.I.A

MUNCIE CREEK 4078-1460

56 06 g.

LS. 74 BR. V.S.S. P.S.S. 0515 Cal. 0714.

56 44.

A W.I.C.H.G.

65. 74 g. V.S.S. P.S.S.

65. 74 g. with SF. P.S.S. 0514

56 06 g.

LS. BR. V.S.S. P.S.S.

LS. with SF. 001 SF. 0414.

56 44 g.

VIS: 43

WT: 9.1

WL: 6.8

CAL: 3900

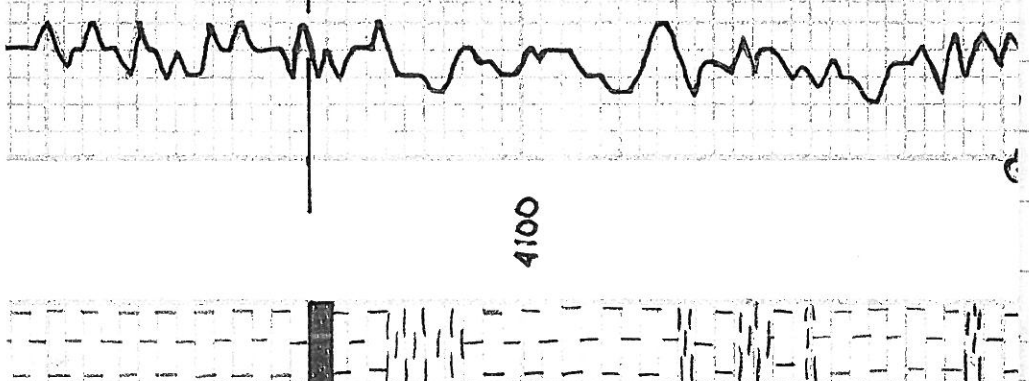
4100

*

11

11 05 / 12

15



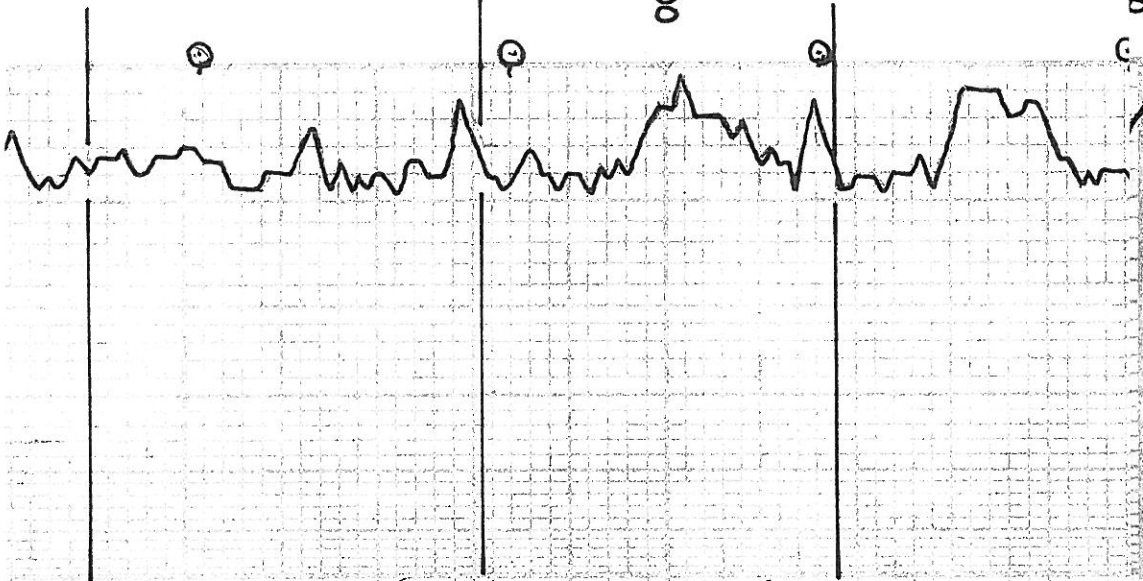
REMARKS

3-28-12 SPUD
3-29 @ 265'

API: 15-101-22352

3700

4200



US. 100' 2 1/2" ... 58' 00" ... NS. NS. 000'

US. 7 1/2" ... 00'

STARK 4182-1564
54 816 626' 15 R. US 1565'

54. 6 1/2"

US. 7 1/2" ... 000' ... US 1565' ... 06 1/2" ... NS
No other

US. 7 1/2" ... US 1565'

HYSRUCKNEY 4219-1601
54 816 626' 15 R. US 1565'

US. 1 1/2" ... 00' ... 58' 00" ... US 1565'

US. 7 1/2" ... 58' 00"

US. 100' 2 1/2" ... 58' 00" ... 06 1/2" ... NS
B/RK 4260-1642

54. 6"

MARMATON 4288-1670

65. To top of St. Vrain Sh. Chalk.

5h. Lf Gr.

5h. Co. Lf Gr.

65. To top of St. Vrain w/ Red sh. sandstone.

65. Co. Lf Gr. Dnr.

6h. Lf Gr.

65. To top of St. Vrain Sh. A

5h. Co.

65. Lf Gr. Red sh. sandstone Dnr.

65. To top of Red sh. sandstone.

5h. Lf Gr.

65. To top of St. Vrain Sh. Chalk.

Δ Dnr.

65. Co. Dnr. - Sh. A

5h. Co. 800

65. To top of St. Vrain Sh. Chalk.

4300

4100

FEYS

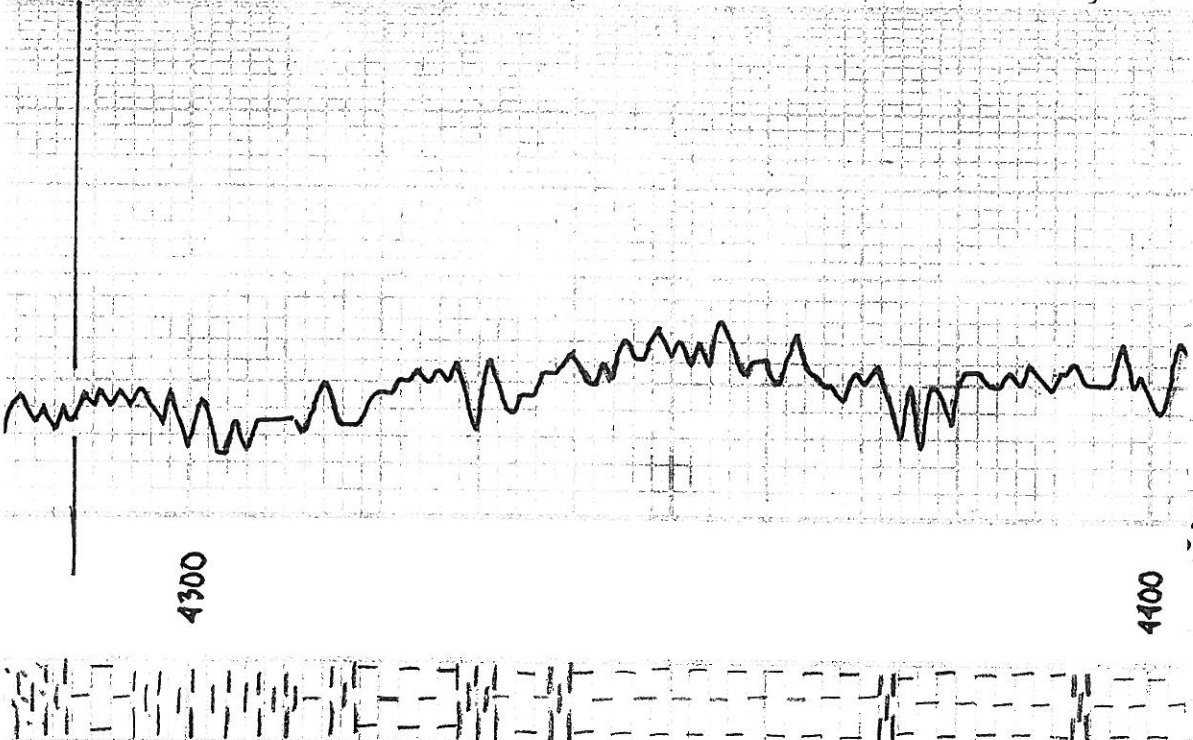
261'

B

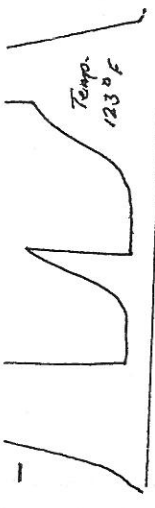
0 100

*

K.



MISSISSIPPI 9533-1915



Del. 4 1/2 V. Fresh 500.
 LS. R. to 700 Colanta.
 Del. 7 1/2 V. Fresh 500.
 LS. to 700 Colanta.

Del. 8 1/2 V. Fresh 500.

Del. 9 1/2 V. Fresh 500 V. Fresh

LS. to 800

Del. 10 1/2 V. Fresh 500 V. Fresh

Del. 11 1/2 V. Fresh 500 V. Fresh

Del. 12 1/2 V. Fresh

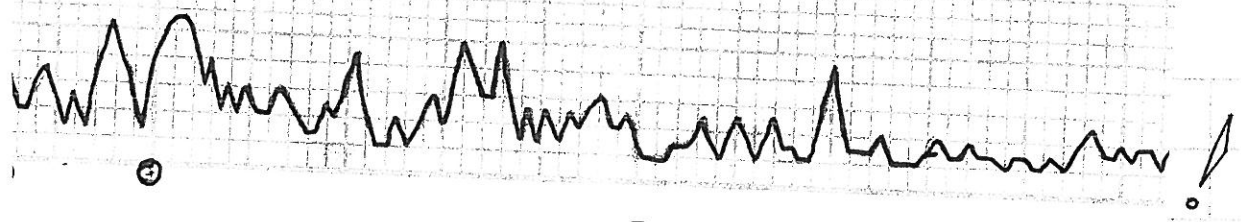
Del. 13 1/2 V. Fresh 500 V. Fresh

1 1/2 (1000)

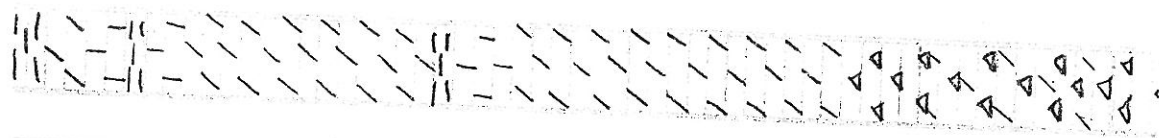
1 1/2 500

LS. wt. 1000

MISS LOG



4600



261
 VEYS
 2.

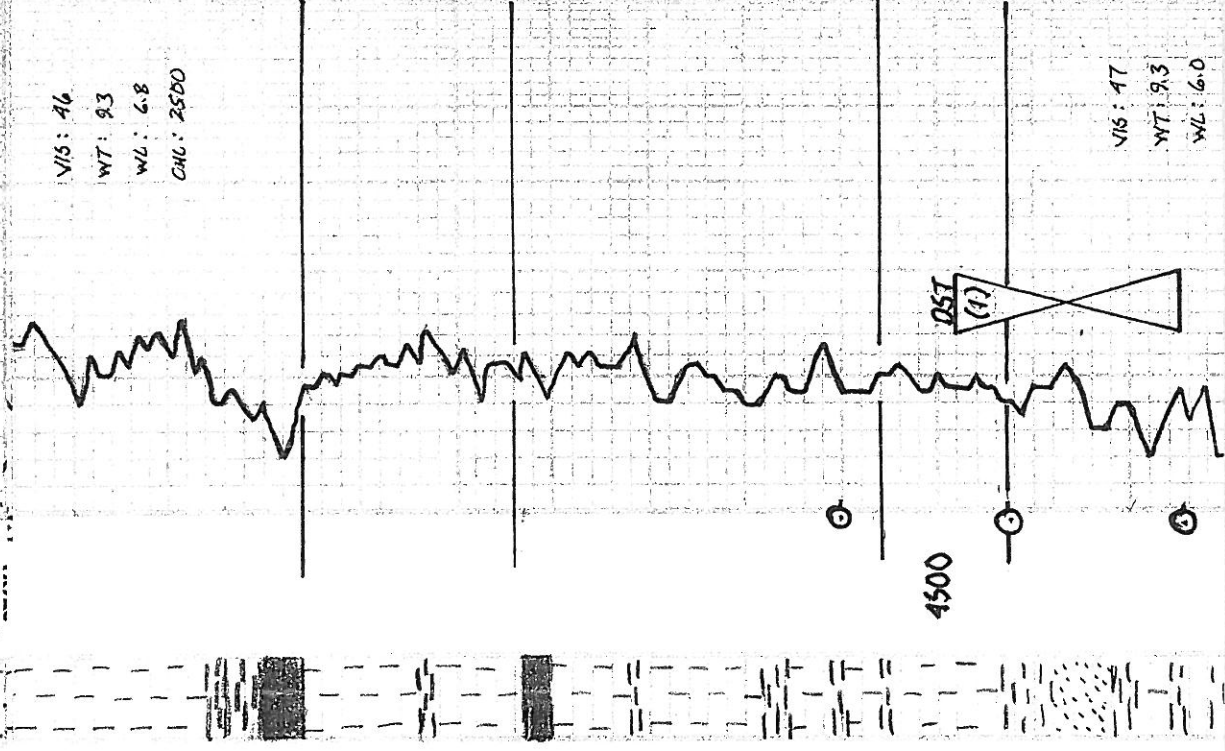
*

API: 15-101-22352

J-10-14 SPUD
3-29 @ 265'

VIS: 46
WT: 93
WL: 6.8
CHL: 2500

VIS: 47
WT: 93
WL: 6.0



LS. Br Gy. Duv.

LS. Br Gy. 10m. Sully

54 DBG

51 1816 cont.

FORT SCOTT 4434-1816

LS Br 101.5% A Calcite, Fr. Vg. S.S. A
to Sp. 201.5% V.S.S.P.D. to 0.1% Fr. Vg. S.S. A
NO O.D.R. (4150)

LS. To wt. S.S. A

CHEROKEE 4456-1838

LS. To Gy. V.S.S.P.D. S.S. A

LS. Br Gy. S.S. V.S.S.

Sh. Gr. L.H. G.

LS. Br Gy. S.S. V.S.S.

JOHNSON 4494-1876

LS. wt. L.H. G. S.S. V.S.S. K.S. Calc. L.H. G.

B/JOHNSON 4507-1889

S.S. Calc. Gy. Fr. Md. To 0.1% Gr. Br. Rd. Fr. P. J. J. &
to 0.1% S.S. Br. Calc. S.S. V.S.S.P.D. on Br. Fr. Vg. S.S. A
(4525) Fr. Duv.

LS. Vt. Gy. S.S. V.S.S. (4525 30") Fr. Duv.

S.S. Calc. wt. Fr. Md. To 0.1% Duv. No Show. (4525 30")
V.P.F. Duv.

LS. wt. 2.15% Fr. Vg. S.S. A

PIPE STRAP

Bd 4534.24

Sip. 4532.14

- 2.10 short to Bd.

DST (1) 4502-4525

15' OPEN: Surface Blow

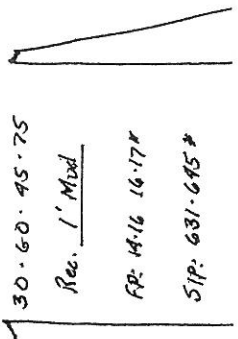
21' OPEN: No Blow

30.60. 95.75

Rec. 1' Mud

FR: 14.16 16.17*

SIP: 631.645*



100°F

LS. R. To Foss Caliente.
Dol. To VFAH. 500.
LS. To Foss Caliente.

Dol. B.G. VFashla 500.

Dol. To 200. VFashla 500 'Vaggy'

LS. To B. Dns

Dol. To VFashla 500 'Vaggy'

Dol. To G. VFashla 500 Foss 'Vaggy'

Dol. w/ Fashla.

Dol. R. G. Fashla 500 Foss w/ Dk G. Foss

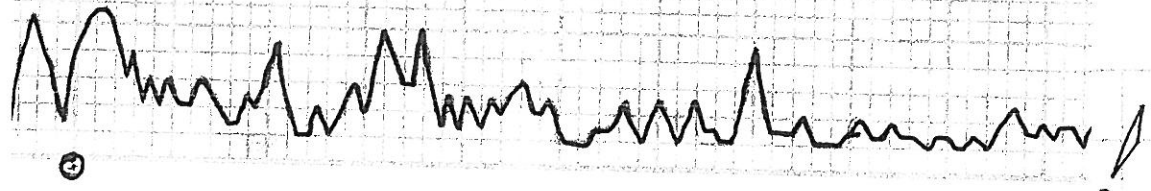
A G. (Alas)

A G. 500 Foss.

LS. w/ V. 400 G.

VEYS
261'

*



1600



3-28-12 SPUD
3-29 @ 265'

API: 15-101-22352

▲
▲
▲
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▲
▲
▲



RTD: 4693-2075

4700

A wt. g. Sl. Face

Dot G. Silty,
Dot. Fresh Fract. Sur.

A wt. Ltg.

DRILLING THE...
Rate of Penetration...

PARAMETER ON THE...

2/18 NR