

Confidentiality Requested:

 Yes NoKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISIONForm ACO-1
January 2018Form must be Typed
Form must be Signed
All blanks must be FilledWELL 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 Gas DH EOR OG GSW 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 EOR Conv. to SWD Plug Back Liner Conv. to GSW Conv. to Producer Commingled Permit #: _____ Dual Completion Permit #: _____ SWD Permit #: _____ EOR Permit #: _____ GSW Permit #: _____Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No.: _____

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: _____ (e.g. xx.xxxxx), Long: _____ (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 Drill Stem Tests Received Geologist Report / Mud Logs Received UIC DistributionALT I II III Approved by: _____ Date: _____

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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Geologist Report / Mud Logs	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

1. Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3)
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No (If No, skip question 3)
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)

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)		METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4)			PRODUCTION INTERVAL: Top _____ Bottom _____	
--	--	--	--	--	---	--

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)	
TUBING RECORD: Size: Set At: Packer At:						

Form	ACO1 - Well Completion
Operator	Patterson Energy LLC
Well Name	RADENBERG 9
Doc ID	1808628

Tops

Name	Top	Datum
Anhydrite	705	1193
Topeka	2670	-722
Heebner	2922	-1024
Toronto	2940	-1042
Lansing	3040	-1142
B/KC	3299	-1401
Arbuckle	3310	-1412
LTD	3396	-1498

Form	ACO1 - Well Completion
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	711	60/40	325	3%cc2%g
Production	7.875	5.5	17	3395	Class A	200	10%s5%k

AUSTIN B. KLAUS

Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: Radenberg #9
API: 15-009-26430-00-00
Location: Barton County
License Number: Region: Kansas
Spud Date: 8/26/2024 Drilling Completed: 8/31/2024
Surface Coordinates: Section 3, Township 17 South, Range 11 West
1,650' FNL & 2,310' FWL
Bottom Hole Coordinates: Vertical well w/ minimal deviation, same as above
Ground Elevation (ft): 1,890 K.B. Elevation (ft): 1,898
Logged Interval (ft): 2,600 To: 3,376 Total Depth (ft): 3,396
Formation: Topeka - Arbuckle
Type of Drilling Fluid: Chemical (Andy's Mud)

Printed by StripLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Patterson Energy, LLC
Address: PO Box 400
Hays, KS 67601

GEOLOGIST

Name: Austin Klaus
Company: John O. Farmer, Inc.
Address: PO Box 352
Russell, KS 67665

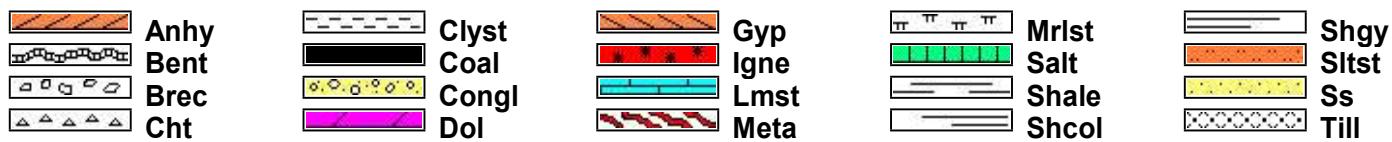
Comments

The Radenbergs #9 well was drilled by Discovery Drilling Company Rig #2 (Tool Pusher: Travis Schmidt).

Drill time was recorded, and rock samples were collected and evaluated from 2,600'- 3,400'. Oil shows were encountered in several Lansing/Kansas City zones and Arbuckle (see below). Structurally, the LKC top was picked 5' high to the comparison well, located 660' south (C.E. Radenberg #1, 1938-53'). Structure thinned in the lower LKC, and the Arbuckle top was picked 10' high to the comparison well.

After comprehensive evaluation of all oil shows, electric logs, and structural position, it was decided that 5-1/2" production casing be set to further evaluate the Radenbergs #9 on September 1st, 2024.

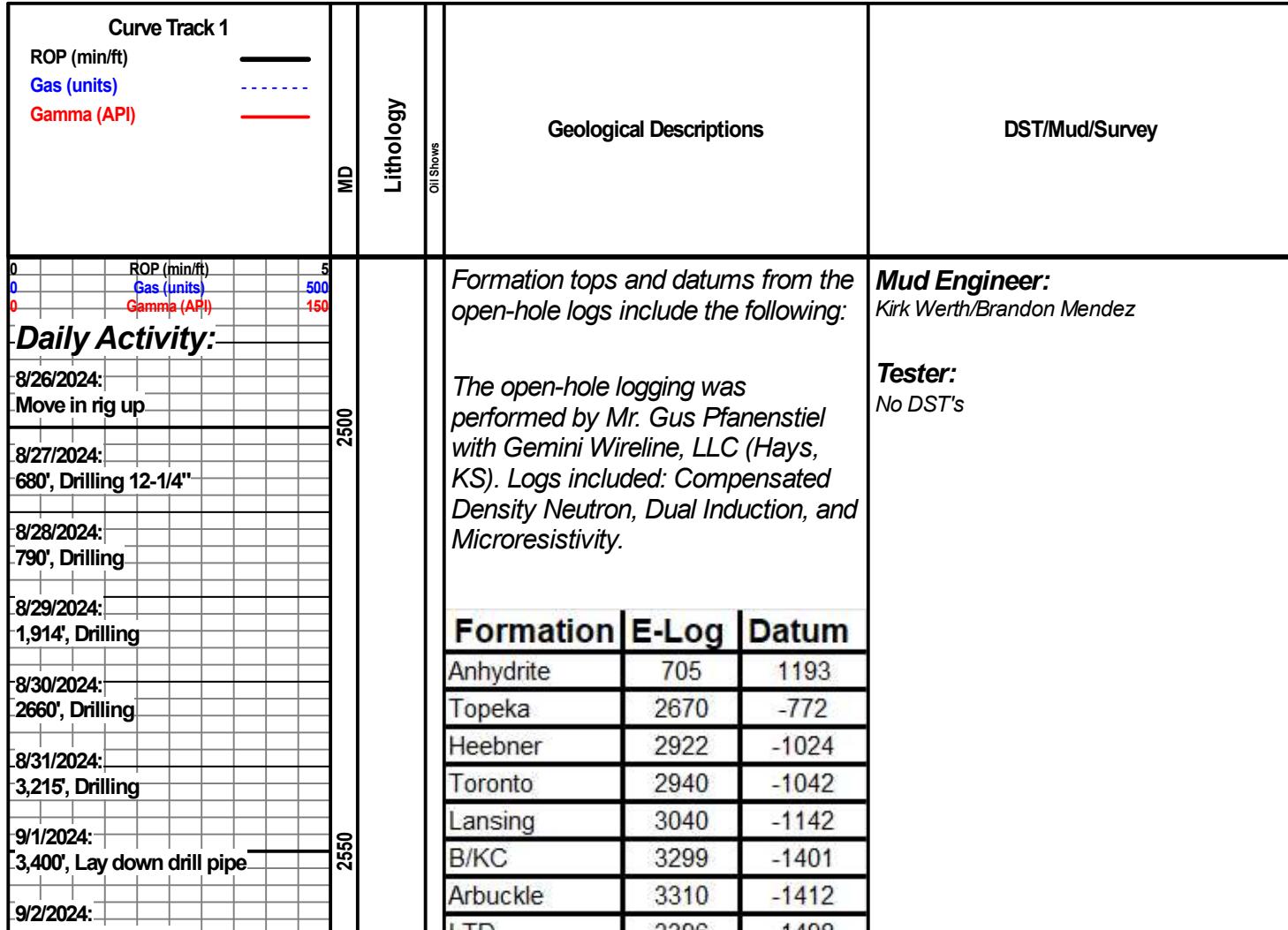
ROCK TYPES

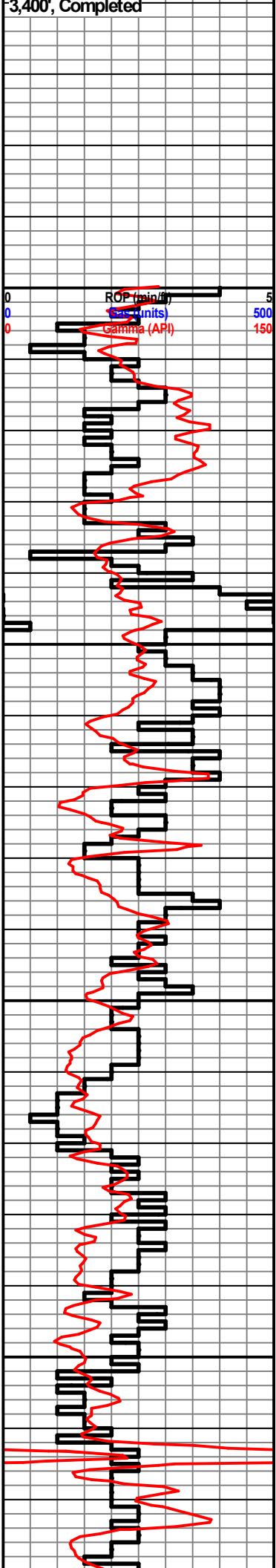


OTHER SYMBOLS

POROSITY		<input checked="" type="checkbox"/> Vuggy	ROUNDING		<input type="radio"/> Spotted
<input type="checkbox"/> E	Earthy		<input type="radio"/> R	Rounded	<input type="radio"/> Ques
<input type="checkbox"/> F	Fenest	SORTING	<input type="radio"/> r	Subrnd	<input type="radio"/> Dead
<input type="checkbox"/> F	Fracture	<input type="checkbox"/> W Well	<input type="checkbox"/> a	Subang	
<input checked="" type="checkbox"/> I	Inter	<input type="checkbox"/> M Moderate	<input type="checkbox"/> A	Angular	INTERVAL
<input checked="" type="checkbox"/> M	Moldic	<input type="checkbox"/> P Poor			<input type="checkbox"/> Core
<input type="checkbox"/> O	Organic				<input type="checkbox"/> Dst
<input type="checkbox"/> P	Pinpoint		<input checked="" type="checkbox"/> OIL SHOW	<input checked="" type="checkbox"/> Even	

EVENT





Sh: lt-drk gry

Ls: tan-gry, fn xln, poor int xln porosity, scat foss, NSFO

Ls: tan-gry, fn xln, mostly DNS, foss

Sh: lt-drk gry

Topeka 2673' (-775)

Ls: off wh-tan, fn xln, poor int xln porosity, scat edge stn, NSFO

Ls: off wh-lt gry, fn-sub, mostly DNS, NSFO

Sh: lt-drk gry

Ls: lt gry-tan, fn xln, mostly DNS, scat foss

Ls: lt gry-tan-crm, fn xln, scat foss, fair int xln & pp vuggy porosity, NSFO

Sh: lt-drk gry

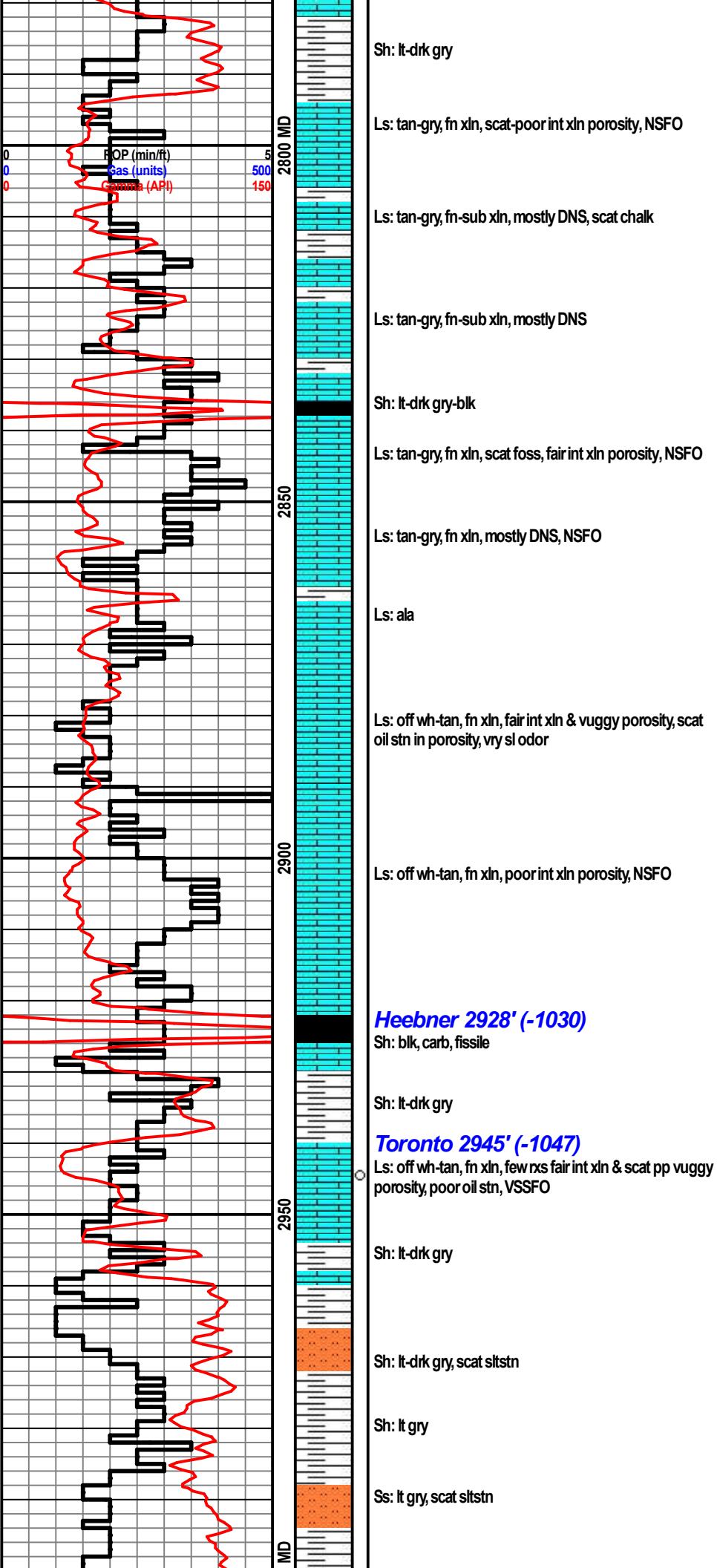
Ls: tan-gry, fn-md xln, scat foss, mostly DNS, NSFO

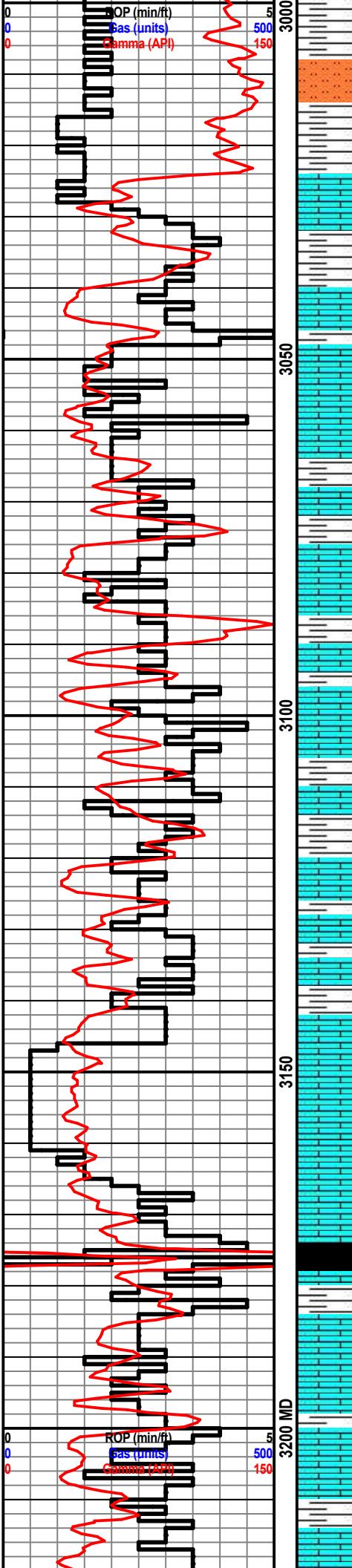
Ls: tan-gry, fn-md xln, scat foss, scat int xln porosity, NSFO

Sh: lt-drk gry

Ls: tan-lt gry, fn-sub xln, DNS

Wt: 8.6
Vis: 50





Ss: ala

Sh: It gry-gm

Brown Lime 3030' (-1132)

Ls: off wh-tan-gry, fn xln, poor int xln porosity, NSFO

Sh: lt-drk gry

Lansing 3046' (-1148)

Ls: off wh-tan, scat foss, fair int xln & int foss porosity in few rxs, scat stn, VSSFO, sl odor

Ls: off wh-tan, fn xln, scat fair int xln porosity, NSFO

Sh: lt-drk gry

Ls: off wh-tan, fn xln, poor-fair int xln porosity, few rxs w fair int xln and pp vuggy porosity, sl edge str, NSFO

Sh: lt-drk gray

Ls: off wh-tan, fn xln, foss, scat int foss porosity, NSFO

Ls: tan-lt gry, fn xln, scat foss, poor int xln porosity, NSFO, scat chalk

Sh: lt-drk gry

Ls: off wh-tan, fn xln, fair int xln porosity, scat foss, scat oil stn in porosity, VSSFO

Sh: drk gry

Ls: off wh-tan-gry, fn xln, scat-fair int xln porosity, scat edge str, NSFO, no odor

Ls: off wh-tan, ool, fair-good oom & ool porosity, scat edge stn. mostly barren. NSFO, scat chert

ls: off wh-tan-qry fn-sub xln. DNS. NSFO

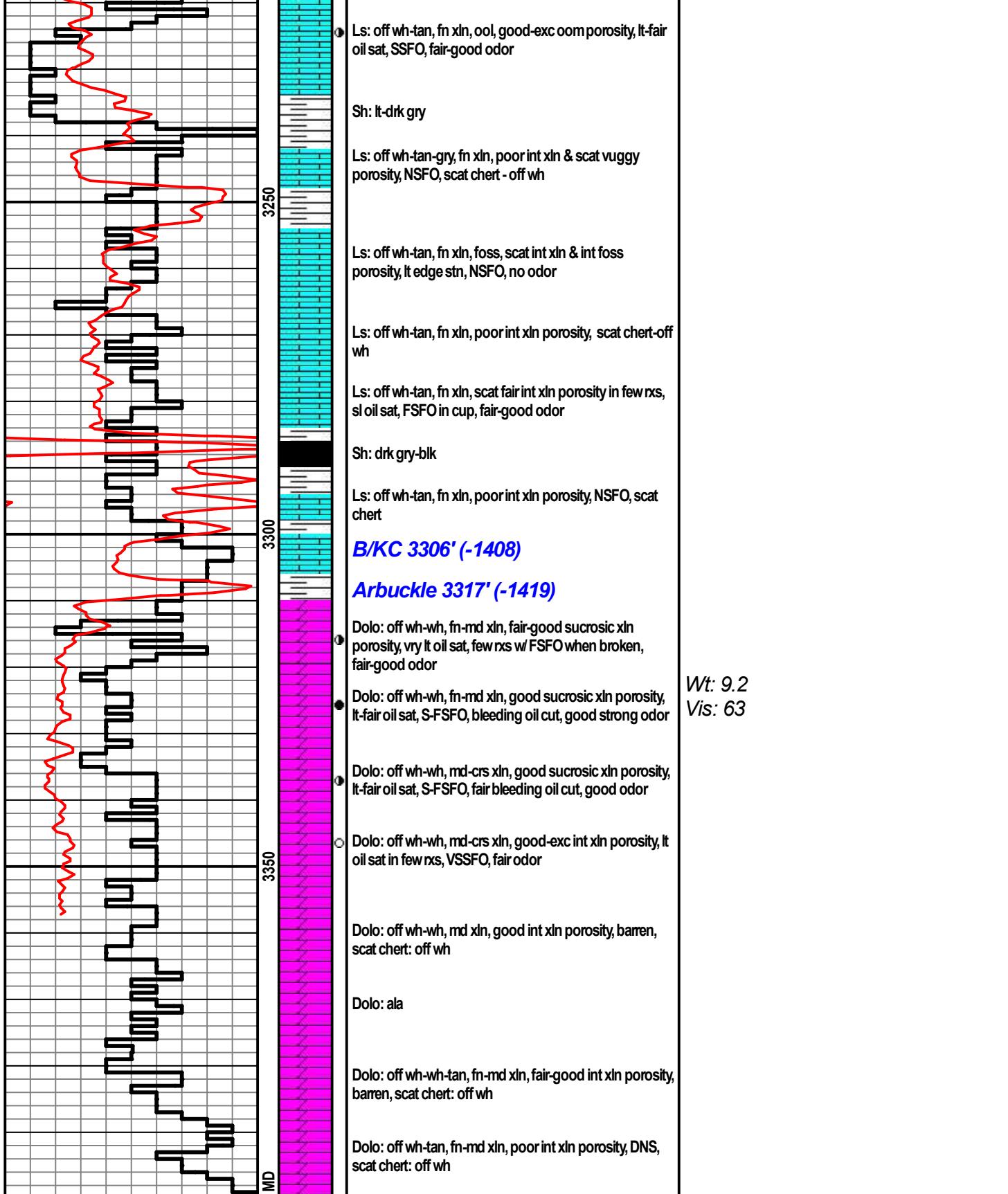
Sh: drk grv-blk

Ls: off wh-tan, foss, scat int xln & int foss porosity, barren, scat chalk

Sh: lt-drk gray

Ls: off wh-tan, fn xl, fair int xl, porosity in few rxs, NSFO, scat chert: off wh

Sh: lt-drk gry





416 Main Street
P.O. Box 225
Victoria, KS 67671
Office (785) 639-3949
24 Hour Service Line (785) 639-7269

Invoice

Date	Invoice #
9/1/2024	1326

Please Pay from this Invoice.
Remit Payment to:
416 Main Street PO BOX 225
Victoria, KS 67671
Billing Questions Call Tianna at
(785) 639-3949
Email: franksoilfield@yahoo.com

KCC License Number
35469

Bill To
Patterson Energy, LLC PO Box 400 Hays, KS 67601-0400

County/State	Lease/Well#	Terms	Job Type
Barton County, KS	Radenberg #9	Net 30	Long String

Description	Quantity	Rate	Amount
Pump Charge	1	950.00	950.00
Mileage	53	6.50	344.50
9.88 tons at 53 miles	523.64	1.50	785.46
60/40 4% gel 1/4# floseal	50	17.35	867.50T
Class A 10% salt, 5 Kolseal	150	27.00	4,050.00T
5-1/2" Guide Shoe AFU	1	600.00	600.00T
5-1/2" Turbalizer Centralizers	7	80.00	560.00T
5-1/2" Basket	2	275.00	550.00T
51/2 Stop Ring	2	35.00	70.00T
Mud Flush	500	1.00	500.00T
KCL	2	30.00	60.00T
Discount			-466.87
			-466.87

Thank
you.

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	Subtotal	\$8,870.59
<i>We appreciate your business and look forward to serving you again!</i>	Sales Tax (7.5%)	\$517.10
	Balance Due	\$9,387.69

FRANKS Oilfield Service

- ◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
- ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 1326
LOCATION Victoria
FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																				
9-01-24	34888	Radenberg #9	3	175	11W	Benton																				
CUSTOMER Patterson Energy			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>Josh T</td> <td></td> <td>-</td> </tr> <tr> <td>203</td> <td>Conner D</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Tom W</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Proctor D</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	103	Josh T		-	203	Conner D				Tom W				Proctor D		
TRUCK #	DRIVER	TRUCK #	DRIVER																							
103	Josh T		-																							
203	Conner D																									
	Tom W																									
	Proctor D																									
MAILING ADDRESS																										
CITY		STATE	ZIP CODE																							

JOB TYPE <u>longstring</u>	HOLE SIZE _____	HOLE DEPTH _____	CASING SIZE & WEIGHT <u>5 1/2" 15.5#</u>
CASING DEPTH _____	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING _____
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____

REMARKS: Safety meeting. Ran float equipment & set up on discovered
locked up head & circulated mud 1hr. Pump 500 gal mud & filter
followed by 20 BBL Kt water. Plug RT 30°F M/H 21°F. PEX 150 ft heavy
wash clean & replace J plug.

Thanks Tom & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P1001	1	PUMP CHARGE <i>drag string</i>	\$950.00	\$950.00
M001	53	MILEAGE	\$11.50	\$344.00
M002	9,886 tons	Ton Mileage Delivery	\$785.46	\$785.46
CB010	50x	GO/40 490gsl 1/4" \$10.20/l	\$17.35	\$867.50
CB031	150 sy	Cross A 10%soft S#1colored	\$27.00	\$4050.00
FE033	1	5 1/4" AFU Colored Shape	\$600.00	\$600.00
FE014	7	5 1/4" Turbo Lizer	\$80.00	\$560.00
FE022	2	5 1/4" Basket	\$275.00	\$550.00
FE102	2	5 1/4" SEOA ring	\$35.00	\$70.00
CP013	500gsl	Mud flush 1" x 1"	\$1.00	\$500.00
CP014	2	1/2" h	\$30.00	\$60.00
			Sub Total	\$9,357.46
			Less 5% Disc.	\$466.87
			Sub Total	\$8,870.59
			SALES TAX	517.10
			ESTIMATED TOTAL	9387.69

AUTHORIZATION



S. J. T.

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.

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 1321
 LOCATION Victoria
 FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
8-21-24	5618	Radenberg #9		3	12s	11w	Barton
CUSTOMER		Patterson Energy					
MAILING ADDRESS							
CITY	STATE	ZIP CODE					

JOB TYPE Safety HOLE SIZE _____ HOLE DEPTH 711' CASING SIZE & WEIGHT 8 1/8" 24#
 CASING DEPTH 711' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting + set up on Discovery #2. Put out 8 1/8" plug container on + circulated mud. Mix 22.5 gal 1/2" - followed by 100 gal ~~300~~ 312. Dug plane with 24 Bbl + landed plug. Released pressure after shutting in.
 Back up more off

Cement did circulate

Thanks Tom & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL002	1	PUMP CHARGE	\$1150.00	\$1150.00
MO01	53	MILEAGE	\$46.50	\$344.50
MO02	15.14 tons	Ton Mileage Delivery	\$1203.63	\$1203.63
CB014	22.5 gal	60/40 3gal 28g 1/2" Hose	\$18.85	\$424.125
CB004	100 gal	Class A 3gal 28g	\$25.50	\$255.00
FE06	1	8 1/8" Rubber plug	\$265.00	\$265.00
CE003	+	8 1/8" head + manifold		
FE069	1	8 1/8" base plate	\$150.00	\$150.00
CP006	50#	1/4" closed	\$3.00	\$15.00
			Subtotal	\$10,054.38
			Less 5% disc.	\$502.71
			Subtotal	\$9,551.67
			SALES TAX	524.13
			ESTIMATED TOTAL	10075.80

AUTHORIZATION 

TITLE _____

DATE _____

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