

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**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

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 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: \_\_\_\_\_, 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  Drill Stem Tests Received

Geologist Report / Mud Logs 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 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 Geologist Report / Mud Logs <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				

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 <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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	DOROTHY 1
Doc ID	1462123

All Electric Logs Run

Micro Resistivity
Dual Induction
Litho Density Neutron
Dual Receiver Cement Bond

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	DOROTHY 1
Doc ID	1462123

Tops

Name	Top	Datum
Anhy.	2070	(+ 563)
Base Anhy.	2104	(+ 529)
Heebner	3906	(-1273)
Lansing	3948	(-1315)
Stark Shale	4190	(-1557)
BKC	4242	(-1609)
Marmaton	4290	(-1657)
Pawnee	4386	(-1753)
Ft. Scott	4447	(-1814)
Cherokee Sh.	4471	(-1838)
Miss.	4528	(-1895)
LTD	4652	(-2019)





P. O. Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300

RECEIVED

MAR 14 2019

# Invoice

DATE	INVOICE #
3/8/2019	31882

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Dorothy	Ness	Express Well	Oil	Development	Cement Port Collar	Wayne

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	5.00	200.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars	1	Job	1,300.00	1,300.00
104	Port Collar Tool Rental	1	Each	200.00	200.00T
330	Swift Multi-Density Standard (MIDCON II)	200	Sacks	16.25	3,250.00T
276	Flocele	50	Lb(s)	2.50	125.00T
290	D-Air	3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement	225	Sacks	1.75	393.75
583D	Drayage	446	Ton Miles	0.85	379.10
	Subtotal				5,973.85
	Sales Tax Ness County			6.50%	240.57

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$6,214.42
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TICKET 031882

CHARGE TO: **Palomino Petroleum Inc**  
 ADDRESS  
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. **Ness City, KS**  
 2.  
 3.  
 4.  
 REFERRAL LOCATION

WELL/PROJECT NO. **1**  
 LEASE **DOROTHY**  
 COUNTY/PARISH **Ness**  
 STATE **KS**  
 CITY

TICKET TYPE  
 SERVICE  
 SALES  
 CONTRACTOR **EXPRESS Well Service**  
 RIG NAME/NO.  
 SHIPPED VIA **BY**  
 DELIVERED TO **LOCARNAJ**  
 ORDER NO.

WELL TYPE **Oil**  
 WELL CATEGORY **Development**  
 JOB PURPOSE **Cement Port Couar**  
 WELL PERMIT NO.  
 WELL LOCATION **NW/DITTA, KS**

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF					
576					40	MI	\$100	200.00	
576D				MILEAGE # 114 PUMP CHARGE - Port Couar	1	JOB	2003.00	1300.00	
104				Port Couar - Tool Rental	1	JOB	200.00	200.00	
330				SWIFT MULTI-DRYSTRY STRAPPS	200	SBS	16.25	3250.00	
276				FIDELIE	50	LBS	2.50	125.00	
290				D-ADR	3	Gal	42.00	126.00	
581				SERVIZE CHARGE COMPT	225	SBS	1.75	393.75	
583				DRAYAGE	22300	LBS	44.6	379.10	

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

**X** *[Signature]*  
 DATE SIGNED **3-8-19** TIME SIGNED **1000**  
 A.M.  P.M.

**REMIT PAYMENT TO:**  
**SWIFT SERVICES, INC.**  
**P.O. BOX 466**  
**NESS CITY, KS 67560**  
**785-798-2300**

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
			5973.85
			840.57
			6214.42

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR **Wayne Wilson** APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-8-19 PAGE NO. 1

CUSTOMER PALOMINO PETROLEUM WELL NO. #1 LEASE DOROTHY JOB TYPE CEMENT PORT COLLAR TICKET NO. 031882

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION
								TUBING - 2 7/8"
								CASING - 5 1/2"
								PORT COLLAR = 2003'
	1050				✓		1000	PSI TEST - HELD
	1055	3	3	✓			350	OPEN PORT COLLAR - LWT RATE
	1100	3 1/4	111	✓			300	MIX CEMENT 200 SKS SMD = 11.2 PAG
	1130	3	10	✓			500	DISPLACE CEMENT
	1140			✓			1200	CLOSE PORT COLLAR - PSI TEST - HELD
								CIRCULATED 15 SKS CEMENT TO PZT
	1155	3 1/2	25	✓			450	RUN 5 JTS - CIRCULATE CLEAN
								WASH TRUCK
	1300							JOB COMPLETE
								THANK YOU
								WAYNE, FLINT, RUSSELL





P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300

MAR 02 2019

# Invoice

DATE	INVOICE #
2/27/2019	32133

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Dorothy	Ness	WW Drilling Rig #2	Oil	Development	5 1/2 Longstring	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				35	Miles	5.00	175.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				11	Each	85.00	935.00T
325	Standard Cement				100	Sacks	13.00	1,300.00T
283	Salt				500	Lb(s)	0.20	100.00T
284	Calseal				5	Sack(s)	35.00	175.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.50	125.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	16.25	2,031.25T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	1.75	393.75
583D	Drayage				399.87	Ton Miles	0.85	339.89
	Subtotal							11,425.89
	Sales Tax Ness County						6.50%	599.12
<b>We Appreciate Your Business!</b>						<b>Total</b>		\$12,025.01



CHARGE TO: Palomino Petroleum  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 032133

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>Dorothy</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Utica</u>	DATE <u>2/27/19</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>WU</u>	RIG NAME/NO. <u>2</u>	SHIPPED VIA <u>GT</u>	DELIVERED TO <u>Location</u>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long String</u>	WELL LOCATION <u>Utica West edge, 3-N, 1W, S-1nb</u>				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					Trk #112				35	mi	5.00	175.00
578					Pump Change - Long String				1	job	1300.00	1300.00
404					Port Coller				1	eq	2500.00	2500.00
403					CMT Baskets				1	eq	275.00	275.00
406					Latch down Plug + Baffle				1	eq	250.00	250.00
407					Insert float shoe				1	eq	325.00	325.00
409					Turbolizers				11	eq	85.00	935.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.  
 DATE SIGNED 2/27/19 TIME SIGNED 1:30  
 A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 1  
 TOTAL 19095.01

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR Anderson Fuchs APPROVAL  
 Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 032133

CUSTOMER *Palomino Petroleum*

WELL *Dorothy #1*

DATE *2/27/19* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL			UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY.	UM	QTY.			UM	
325													
283						Standard			100	sk	13	00	1300
284						Salt			500	lbs	0	20	100
285						Cal/seal			5	lbs	35	00	175
276						CFR-1			50	lb	4	50	225
						Flock			50	lb	2	50	125
330						SMD			125	lbs	16	25	2031
221						Liquid KCL			4	gal	25	00	100
281						Mud Flush			500	gal	1	50	750
290						D-Air			3	gal	42	00	126
581									225		1	75	393
583									2280		0	85	339

CONTINUATION TOTAL 5605 89

CUSTOMER Palamiro Petroleum		WELL NO. 1	LEASE Dorothy	JOB TYPE Long String	TICKET NO. 032133
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0430							On Location 5 1/2" 14# RTD: 4645' LTD: 4653' TP: 4653' SJ: 43.33 PC: #63 2008' Turbo: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 62 CMT Baskets: 63
	0735							Start 5 1/2" 14# Casing in well
	1040							Drop Ball - Circulate -
	1210	6 1/2	12		✓	300		Pump 500 gal Mud Flush
		6 1/2	20		✓	300		Pump 20 bbl KCL Flush
	1215	∅	11			0		Plug RH [30sks]
	1225	4 1/2	48		✓	300		Mix 95 sks SMP 1/4# Flo @ 12.5ppg
	1235	4 1/2	24		✓	200		Mix 100 sks of EA-2 @ 15.5ppg
	1240							Wash out Pump + Lines Release Latch down Plug
	1245	6 1/2	0		✓	200		Start Displacement
		6 1/2	80		✓	350		1st Pressure
		6 1/2	111		✓	800		Max lift Pressure
	1300	5 1/2	112 1/2		✓	1600		Land Latch down Plug
	1305							Release Pressure
	1310							Wash-up Truck
								Job Complete 125 sks of SMD 1/4# Flo + 100 sks of EA-2 used
								Thank You, Gideon, Preston, Kirby



**RECEIVED**  
**FEB 21 2019**

**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665  
 PHONE:785-324-1041 FAX:785-483-1087  
 EMAIL: cementing@ruraltel.net

Date: 2/19/2019  
 Invoice # 1225  
 P.O.#:  
 Due Date: 3/21/2019  
 Division: *Russell*

# Invoice

**Contact:**  
 Palomino Petroleum Inc  
**Address/Job Location:**

4924 SE 84th  
 Newton Ks 67114

**Reference:**  
**DOROTHY 1 SEC 10-16-26**

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 657.71	No				
Common-Class A	135	\$ 2,050.10	Yes				
Calcium Chloride	7	\$ 288.97	Yes				
POZ Mix-Standard	35	\$ 180.61	Yes				
Bulk Truck Matl-Material Service Charge	180	\$ 132.69	No				
Pump Truck Mileage-Job to Nearest Camp	29	\$ 96.20	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	29	\$ 74.82	No				
Premium Gel (Bentonite)	3	\$ 64.13	Yes				

**Invoice Terms:**

Net 30

	SubTotal: \$	3,545.24
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (88.63)
	SubTotal for Taxable Items: \$	2,519.22
	SubTotal for Non-Taxable Items: \$	937.39
	Total: \$	3,456.61
	Tax: \$	163.75
	<b>Amount Due: \$</b>	<b>3,620.36</b>
	<b>Applied Payments:</b>	
	<b>Balance Due: \$</b>	<b>3,620.36</b>

6.50% Ness County Sales Tax

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
 ©2008-2013 Straker Investments, LLC. All rights reserved.

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

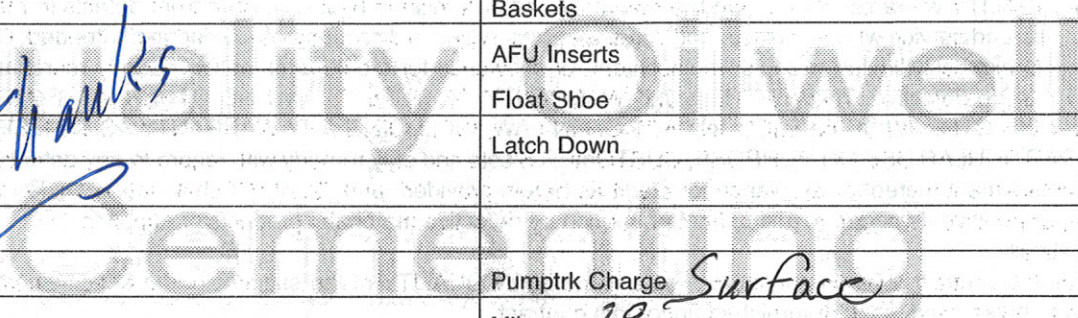
Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1225

Date	2-19-19	Sec.	10	Twp.	16	Range	26	County	Ness	State	KS	On Location		Finish	3:00 AM
Lease								Well No.		Owner					
Dorothy								1		To Quality Oilwell Cementing, Inc.					
Contractor										You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
WW 2															
Type Job										Charge To					
Surface										Palomino Petroleum					
Hole Size				T.D.				Charge To							
12 1/4				218				Palomino Petroleum							
Csg.				Depth				Street							
8 5/8				217											
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
10'								132 80/20 3/442/422							
Meas Line				Displace				170							
				13 BCL											
<b>EQUIPMENT</b>															
Pumptrk		No.		Cement		Helper		Common		135					
5				Craig				Poz. Mix		35					
Bulktrk		No.		Driver		Driver		Gel.		3					
				Dirt				Calcium		7					
Bulktrk		No.		Driver		Driver		Hulls							
15				Doug				Salt							
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:															
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
8 5/8 on bottom Est. Circulation								Handling 180							
Mix 150 SK Displace								Mileage							
Cement Circulation								<b>FLOAT EQUIPMENT</b>							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Surface							
								Mileage							
								29							
								Tax							
								Discount							
								Total Charge							
Signature															
CB Armer															

Thanks





# Company: Palomino Petroleum, Inc.

## Lease: Dorothy #1

SEC: 10 TWN: 16S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 2628 GL  
Field Name: Unice NE  
Pool: Pool Ext  
Job Number: 314

**Operation:**  
Test Complete

**DATE**  
February  
**25**  
2019

**DST #1**      **Formation: Mississippi**      **Test Interval: 4484 - 4544'**      **Total Depth: 4544'**  
Time On: 17:10 02/25      Time Off: 03:25 02/26  
Time On Bottom: 21:00 02/25      Time Off Bottom: 00:00 02/26

Electronic Volume Estimate:  
298'

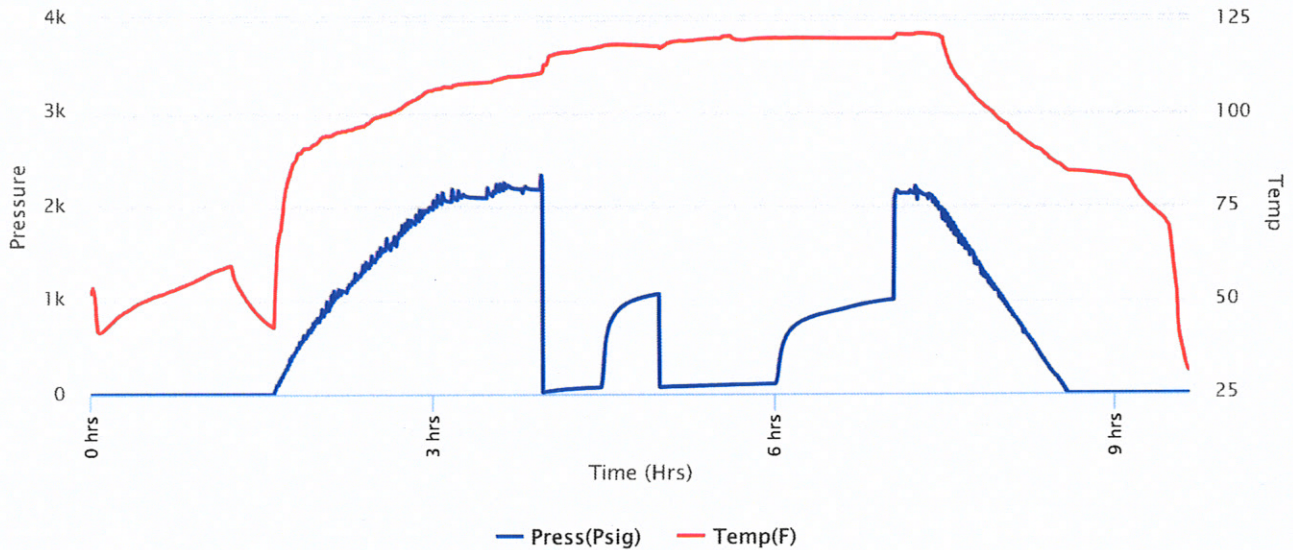
1st Open  
Minutes: 30  
Current Reading:  
7.4" at 30 min  
Max Reading: 7.4"

1st Close  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

2nd Open  
Minutes: 60  
Current Reading:  
11.4" at 60 min  
Max Reading: 11.4"

2nd Close  
Minutes: 60  
Current Reading:  
0" at 60 min  
Max Reading: 0"

Inside Recorder





**Company: Palomino Petroleum, Inc.**

**Lease: Dorothy #1**

SEC: 10 TWN: 16S RNG: 26W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Driling, LLC - Rig 2  
 Elevation: 2628 GL  
 Field Name: Unice NE  
 Pool: Pool Ext  
 Job Number: 314

**Operation:**  
 Test Complete

**DATE**  
 February  
**25**  
 2019

**DST #1**      **Formation: Mississippi**      **Test Interval: 4484 - 4544'**      **Total Depth: 4544'**  
 Time On: 17:10 02/25      Time Off: 03:25 02/26  
 Time On Bottom: 21:00 02/25      Time Off Bottom: 00:00 02/26

Recovered

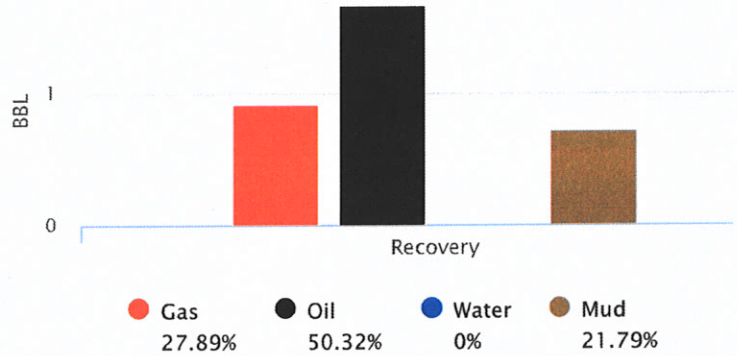
Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
65	0.92495	G	100	0	0	0
60	0.8538	O	0	100	0	0
185	1.5374147	HMCO	0	53	0	47

Total Recovered: 310 ft  
 Total Barrels Recovered: 3.3161647

Reversed Out  
 NO

Initial Hydrostatic Pressure	2176	PSI
Initial Flow	17 to 71	PSI
<b>Initial Closed in Pressure</b>	<b>1060</b>	<b>PSI</b>
Final Flow Pressure	73 to 106	PSI
<b>Final Closed in Pressure</b>	<b>999</b>	<b>PSI</b>
Final Hydrostatic Pressure	2161	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	5.8	%

**Recovery at a glance**



GIP cubic foot volume: 5.19313





**Company: Palomino Petroleum,  
Inc.**

**Lease: Dorothy #1**

SEC: 10 TWN: 16S RNG: 26W

County: NESS

State: Kansas

Drilling Contractor: WW Drilling, LLC -  
Rig 2

Elevation: 2628 GL

Field Name: Unice NE

Pool: Pool Ext

Job Number: 314

**Operation:**

Test Complete

**DATE**

February

**25**

2019

**DST #1**

**Formation:**

**Mississippi**

**Test Interval: 4484 -  
4544'**

**Total Depth: 4544'**

Time On: 17:10 02/25

Time Off: 03:25 02/26

Time On Bottom: 21:00 02/25

Time Off Bottom: 00:00 02/26

**BUCKET MEASUREMENT:**

*Diesel in Bucket*

1st Open: 1/2 in. blow building to 8 1/2 ins.

1st Close: No blow back.

2nd Open: Surface blow building. BOB in 52 mins.

2nd Close: No blow back.

**REMARKS:**

Tool Sample: 0% Gas 61% Oil 0% Water 39% Mud

Gravity: 38 @ 60 °F



# Company: Palomino Petroleum, Inc.

## Lease: Dorothy #1

SEC: 10 TWN: 16S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 2628 GL  
Field Name: Unice NE  
Pool: Pool Ext  
Job Number: 314

**Operation:**  
Test Complete

**DATE**  
February  
**25**  
2019

**DST #1**      **Formation:** Mississippi      **Test Interval:** 4484 - 4544'      **Total Depth:** 4544'  
Time On: 17:10 02/25      Time Off: 03:25 02/26  
Time On Bottom: 21:00 02/25      Time Off Bottom: 00:00 02/26

### Down Hole Makeup

<b>Heads Up:</b> 21.5 FT	<b>Packer 1:</b> 4478.65 FT
<b>Drill Pipe:</b> 4354.95 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4483.65 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4468.07 FT
<b>Collars:</b> 117.63 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4522 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 60.35	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.35 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 23 FT <i>4 1/2-FH</i>	



**Company: Palomino Petroleum,  
Inc.**

**Lease: Dorothy #1**

SEC: 10 TWN: 16S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Driling, LLC -  
Rig 2  
Elevation: 2628 GL  
Field Name: Unice NE  
Pool: Pool Ext  
Job Number: 314

**Operation:**

Test Complete

**DATE**

February

**25**

2019

**DST #1**

**Formation:  
Mississippi**

**Test Interval: 4484 -  
4544'**

**Total Depth: 4544'**

Time On: 17:10 02/25

Time Off: 03:25 02/26

Time On Bottom: 21:00 02/25 Time Off Bottom: 00:00 02/26

### **Mud Properties**

**Mud Type:** Chemical

**Weight:** 9.45

**Viscosity:** 49

**Filtrate:** 6.8

**Chlorides:** 4,100 ppm



Home  
(785) 798-3400

# Andrew Stenzel Geologist

Ness City, Kansas



Cell  
(785) 798-5977

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

Well Name: Dorothy #1  
API: 15-135-26043-00-00  
Location: NE-SW-NW-SW Sec. 10-16S-26W (Ness County)  
License Number: 30742  
Spud Date: 2/18/19  
Surface Coordinates: 1721' FSL & 434' FWL  
Region: KANSAS  
Drilling Completed: 2/27/19

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2628  
Logged Interval (ft): 3600 To: TD  
Formation: MISSISSIPPI  
Type of Drilling Fluid: Mud-Co Chemical  
K.B. Elevation (ft): 2633  
Total Depth (ft): 4645

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

Company: Palomino Petroleum, Inc.  
Address: 4924 SE 84th St.  
Newton, KS 67114

## GEOLOGIST

Name: Andrew Stenzel  
Company: Petroleum Geologist  
Address: 501 S. Franklin  
Ness City, KS 67560

## Drilling Report

### DAILY DRILLING REPORT:

2/18/19 MIRU, ran surface casing  
2/19/19 Waiting on cement  
2/20/19 Drilling @ 1497'  
2/21/19 Drilling @ 2854'  
2/22/19 Drilling @ 3340'  
2/23/19 Drilling @ 3935'  
2/24/19 Drilling @ 4336'  
2/25/19 Drilling @ 4493'  
2/26/19 Circulating @ 4544', DST #1, ran electric logs  
2/27/19 Ran production casing

### Services

RIG: WW Drilling, Rig #2

MUD: MUDCO

LOGS: Gemini Wireline; CNDL, PE, DIL, ML

### Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing set at 218'

PRODUCTION Casing: Ran 112 jts new 5 1/2", 14# casing @ 4646'

### Formation Tops

Sample Tops		LogTops	
Anhy.	2065 (+568)	Anhy.	2070 (+563)
Base Anhy.	2101 (+532)	Base Anhy.	2104 (+529)
Heebner	3899 (-1266)	Heebner	3906 (-1273)
Lansing	3941 (-1308)	Lansing	3948 (-1315)
Stark Sh	4181 (-1548)	Stark Sh	4190 (-1557)
BKC	4237 (-1604)	BKC	4242 (-1609)
Marmaton	4283 (-1650)	Marmaton	4290 (-1657)
Pawnee	4380 (-1747)	Pawnee	4386 (-1753)
Ft. Scott	4438 (-1805)	Ft. Scott	4447 (-1814)
Cher. Sh.	4463 (-1830)	Cher. Sh.	4471 (-1838)
Miss.	4520 (-1887)	Miss.	4528 (-1895)
RTD	4645 (-2012)	LTD	4652 (-2019)



**Company: Palomino Petroleum, Inc.**

**Lease: Dorothy #1**

SEC: 10 TWN: 16S RNG: 28W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Driling, LLC - Rig 2  
 Elevation: 2628 Sur  
 Field Name: Unice Northeast  
 Pool: Pool Ext.  
 Job Number: 314

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 February  
 25  
 2019

**DST #1**      **Formation: Mississippian**      **Test Interval: 4484 - 4544'**      **Total Depth: 4544'**  
 Time On: 17:10 02/25      Time Off: 03:25 02/26  
 Time On Bottom: 21:00 02/25      Time Off Bottom: 00:00 02/26

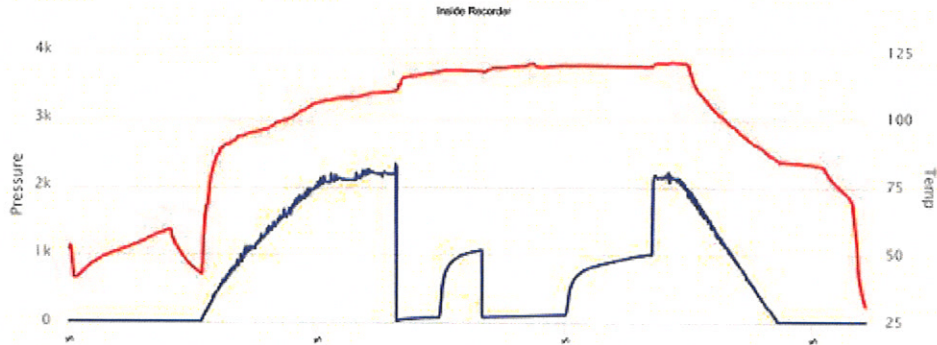
**Electronic Volume Estimate:**  
 298'

**1st Open**  
 Minutes: 30  
 Current Reading: 7.4" at 30 min  
 Max Reading: 7.4"

**1st Close**  
 Minutes: 30  
 Current Reading: 0" at 30 min  
 Max Reading: 0"

**2nd Open**  
 Minutes: 60  
 Current Reading: 11.4" at 60 min  
 Max Reading: 11.4"

**2nd Close**  
 Minutes: 60  
 Current Reading: 0" at 60 min  
 Max Reading: 0"



**Company: Palomino Petroleum, Inc.**

**Lease: Dorothy #1**

SEC: 10 TWN: 16S RNG: 28W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Driling, LLC - Rig 2  
 Elevation: 2628 Sur  
 Field Name: Unice Northeast  
 Pool: Pool Ext.  
 Job Number: 314

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 February  
 25  
 2019

**DST #1**      **Formation: Mississippian**      **Test Interval: 4484 - 4544'**      **Total Depth: 4544'**  
 Time On: 17:10 02/25      Time Off: 03:25 02/26  
 Time On Bottom: 21:00 02/25      Time Off Bottom: 00:00 02/26

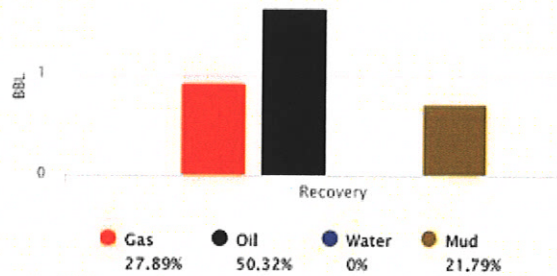
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
65	0.92495	G	100	0	0	0
60	0.8538	O	0	100	0	0
185	1.5374147	HMCO	0	53	0	47

Total Recovered: 310 ft  
 Total Barrels Recovered: 3.3161647

Reversed Out  
 NO

**Recovery at a glance**





Initial Hydrostatic Pressure	2176	PSI
Initial Flow	17 to 71	PSI
Initial Closed in Pressure	1060	PSI
Final Flow Pressure	73 to 106	PSI
Final Closed in Pressure	999	PSI
Final Hydrostatic Pressure	2161	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	5.8	%







GIP cubic foot volume: 5.19313

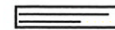


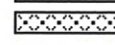
### ROCK TYPES

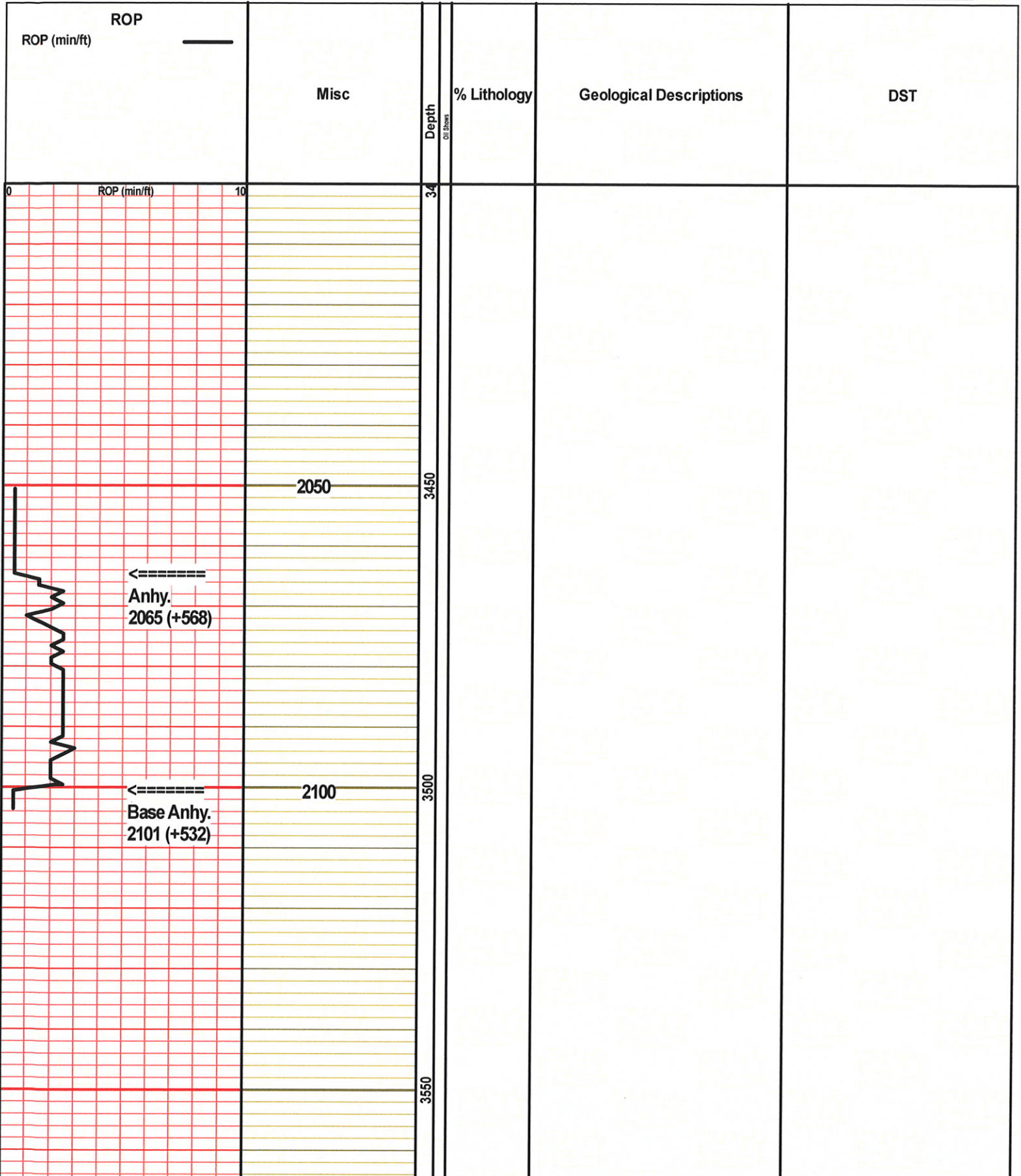
-  Anhy
-  Bent
-  Brec
-  Cht

-  Clyst
-  Carb shale
-  Congl
-  Dol

-  Gyp
-  Igne
-  Lmst
-  Meta

-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till



ROP (min/ft)

0

10

3600

3650

3700

3750

Ls., lt gy, fnxn, mod hd, ool, nvp, ns

Sh., gy, vy soft

Ls., cm-lt gy, fnxn, sli fri-soft, vy chky, ool ip, pr introol por, ns, no odr, scatt Sh., gy

Ls., cm-tn, fnxn, mod hd, chky ip, ool ip wdk gy ooids, nvp, ns

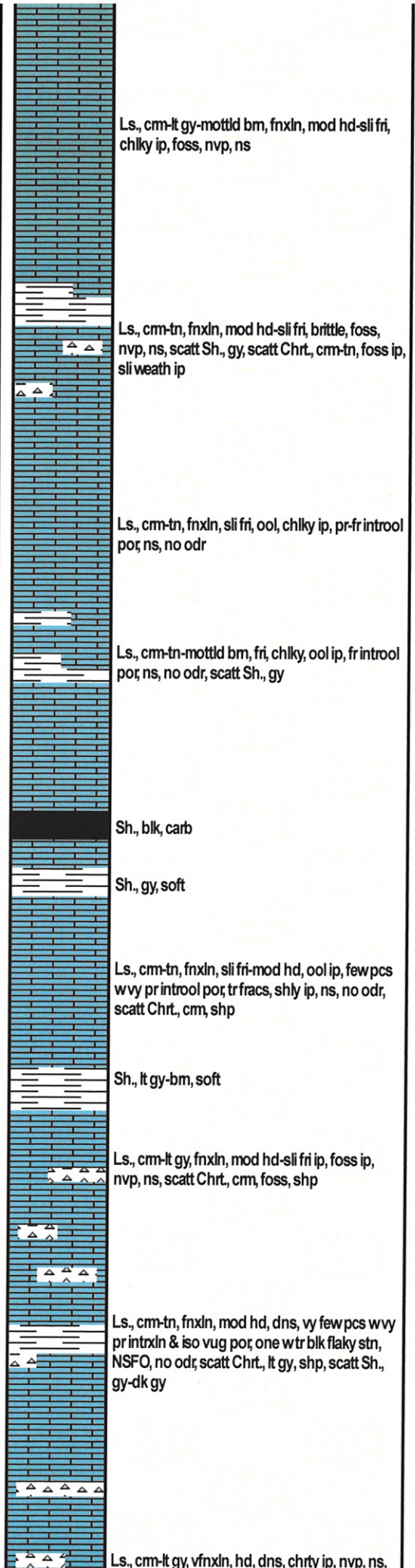
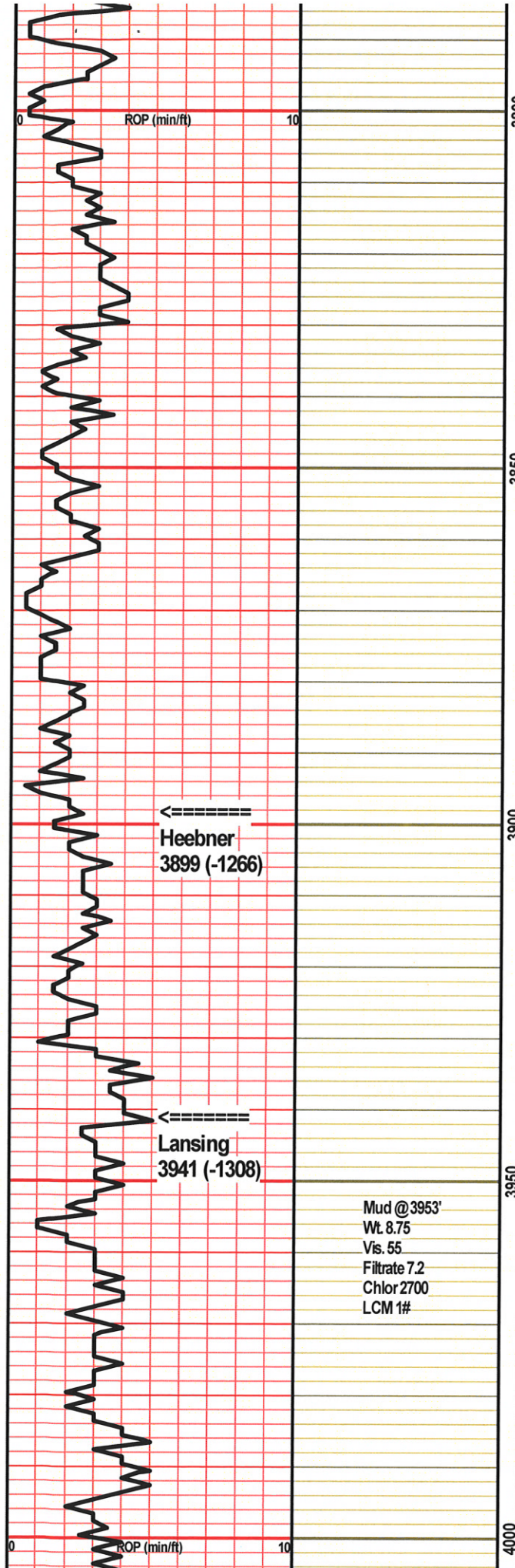
Ls., tn-lt gy, fn-vfnxn, mod hd, shly ip, foss ip, nvp, ns, scatt Sh., gy

Ls., cm-tn-lt gy, fnxn, fri, vy chky, ool ip, nvp, ns

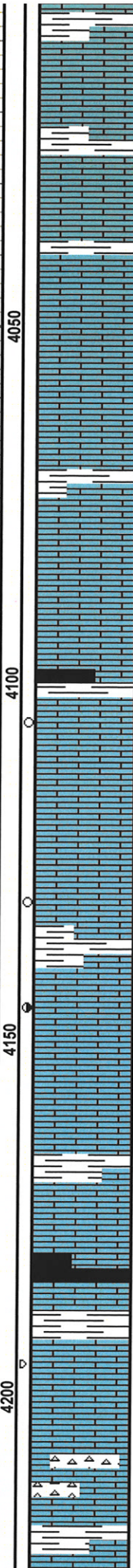
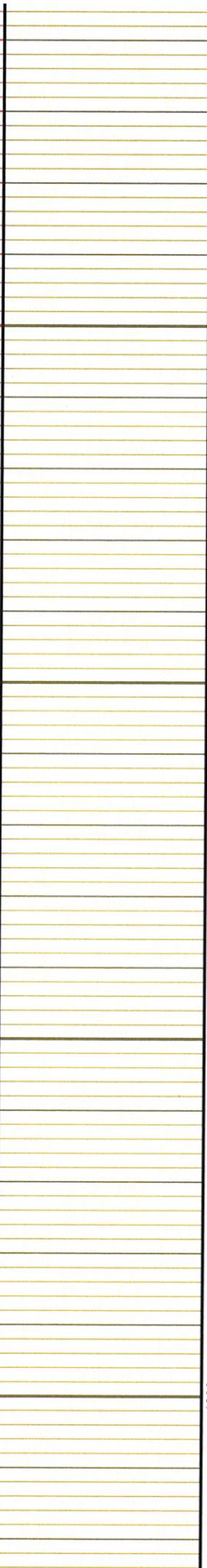
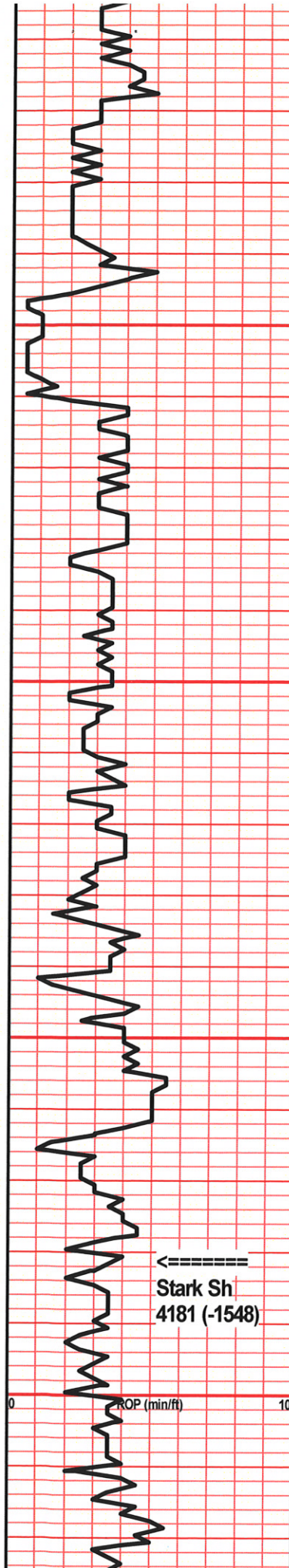
Sh., blk, carb

Ls., tn, fn-vfnxn, mod hd-hd, ool ip, pr introol por, ns, no odr





Mud @ 3953'  
Wt. 8.75  
Vis. 55  
Filtrate 7.2  
Chlor 2700  
LCM 1#



scatt Sh., gy, scatt Chrt., cm, foss

Ls., cm, vfnxn, mod hd, ool ip, fewwvy pr intrxn por; ns, no odr, scatt Sh., gy-bm

Ls., tn, fnxn, sli fri-mod hd, ool, frooc por in most, ns, no odr

Ls., cm-lt gy, vfnxn, mod hd-hd, chiky ip, dns, nvp, ns, scatt Sh., gy

Ls., cm-tn, fnxn, mod hd-sli fri, ool ip, some w pr intrxn & introol por, SSFO, bm spot-sub sat stn, wk cup odr, fr odr on brk, scatt Sh., gy-blk, carb ip

Ls., cm-lt gy, vfnxn, hd, brittle, dns, nvp, ns, no odr

Ls., cm-tn, fnxn, sli fri-mod hd, sli chiky ip, many w printrxn & rare pr-fr vug por, SSFO, dk bm-blk sub sat stn, fr odr on brk, wk cup odr

Ls., cm, fnxn, sli fri, ool ip, some w pr intrxn por, rare pr-fr vug & introol por, FSFO, lt bm sub sat-spot stn, vy wk cup odr, wk odr on brk, scatt Sh., gy

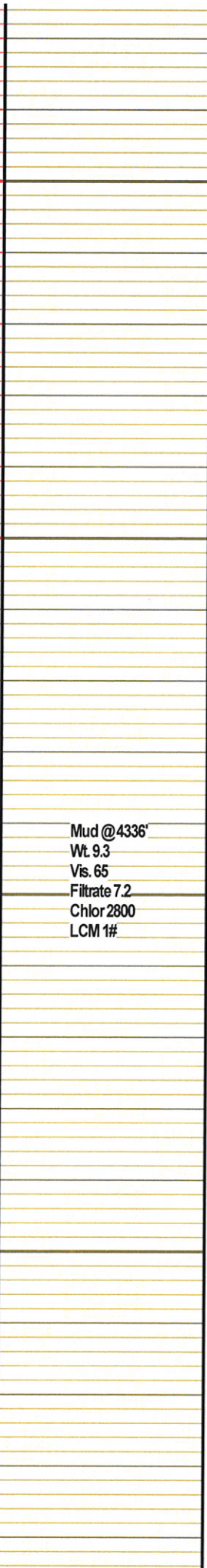
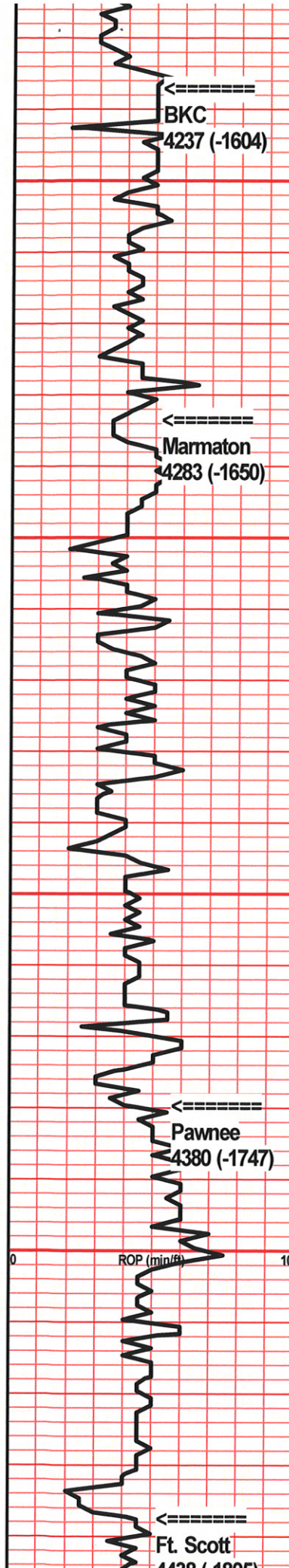
Ls., cm-tn, fnxn, mod hd-sli fri, ool, scatt pcs w pr-vypr ooc por, ns, no odr, no fluoro, scatt Sh., gy

Ls., tn-lt gy, fn-vfnxn, mod hd, ool ip, nvp, ns

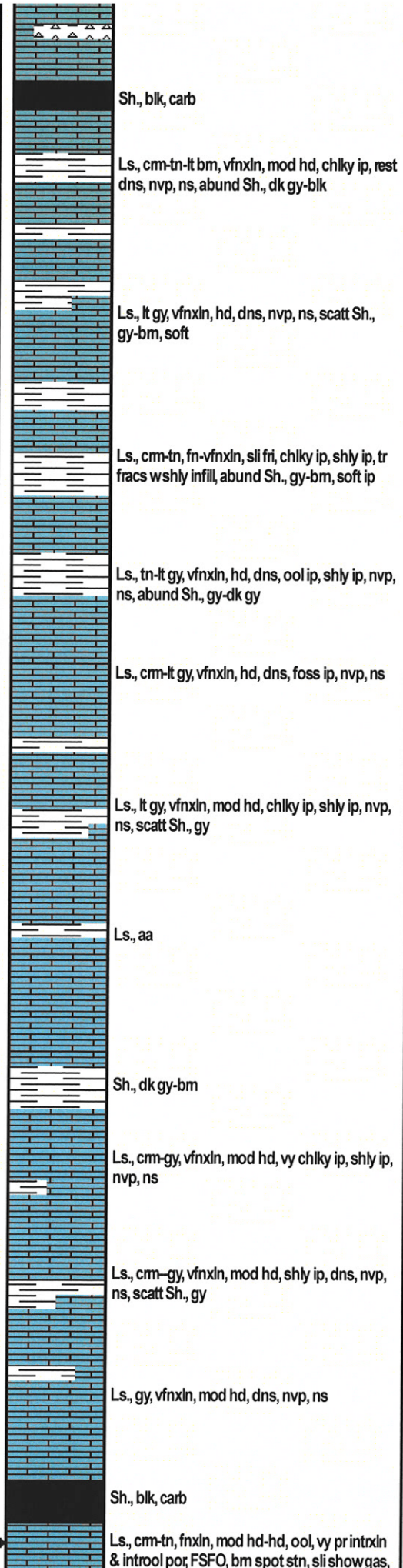
Sh., blk, carb

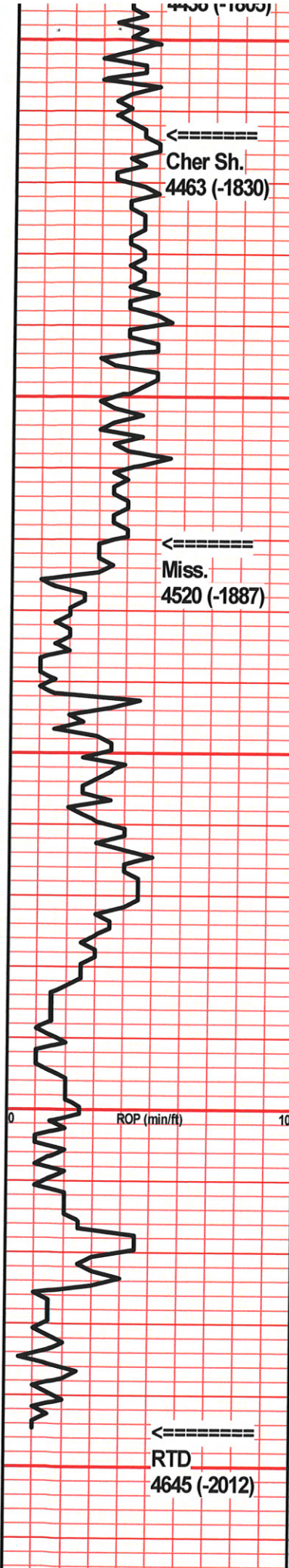
Ls., cm-tn, fnxn, mod hd-hd, ool ip, dns, one pc wsat bm edge stn, VSSFO, pr ppt & intrxn por along edge, no det odr, scatt Sh., gy-bm

Ls., cm-lt gy, fn-vfnxn, mod hd-hd, chiky ip, ool ip, nvp, ns, abund Chrt., lt gy, spic, shp, scatt Sh., dk gy



Mud @ 4336'  
Wt. 9.3  
Vis. 65  
Filtrate 7.2  
Chlor 2800  
LCM 1#





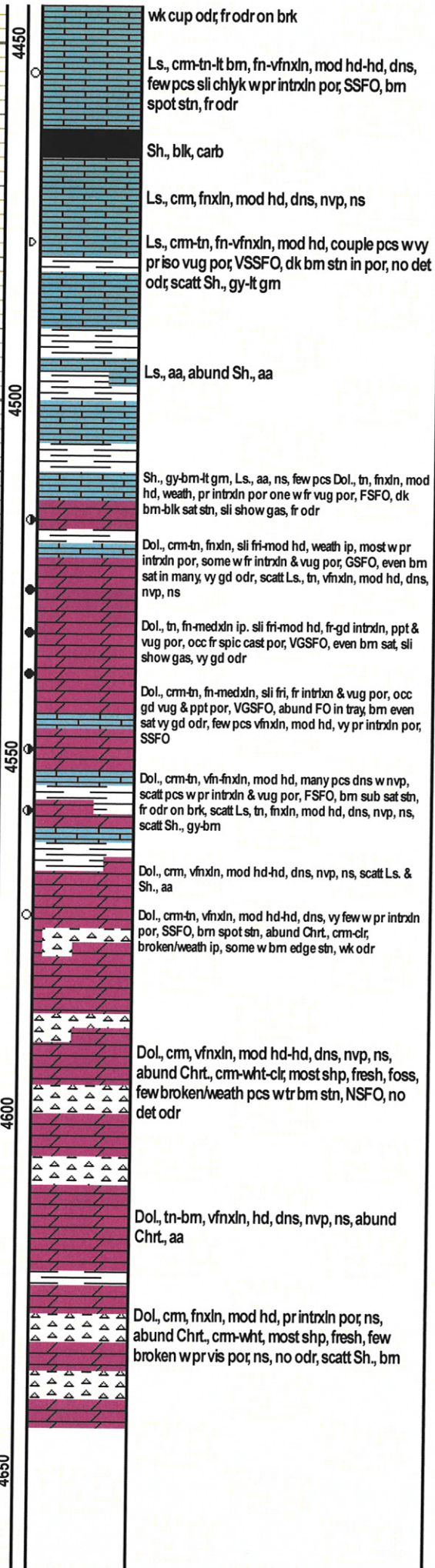
Mud @ 4500'  
Wt. 9.45  
Vis. 49  
Filtrate 6.8  
Chlor 4100  
LCM 1#

DST 1

CFS 4500  
Short trip 15  
stds

Dev. Survey:  
Pipe Strap:  
7.14' Short, no  
correction

CFS 4544



**DST #1 4482-4544  
(Mississippi)**

30-30-60-60  
IF: 1/2", built to 7.4"  
IS: No blow  
FF: SB, built to 11.4"  
FS: No blow

Recovery:  
65' GIP  
60' CO (100%O)  
185' HMCO (53%O, 47%M)

245' TF

FP: 17-71; 73-106  
SIP: 1060-999  
HP: 2176-2161

BHT: 121  
Gravity: 38  
Chlor: ---

