

Kansas Corporation Commission Oil & Gas Conservation Division

1119844

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15		
Name:	Spot Description:		
Address 1:	SecTwpS. R 🗌 East 🗌 West		
Address 2:	Feet from North / South Line of Section		
City: State: Zip: +	Feet from East / West Line of Section		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()	□NE □NW □SE □SW		
CONTRACTOR: License #	County:		
Name:	Lease Name: Well #:		
Wellsite Geologist:	Field Name:		
Purchaser:	Producing Formation:		
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:		
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:		
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt		
Operator:			
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW Plug Back: Plug Back Total Depth Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name: License #: Quarter Sec Twp S. R East West		
ENHR Permit #:	County: Permit #:		
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date Recompletion Date			

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY				
Letter of Confidentiality Received				
Date:				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I I II Approved by: Date:				

Side Two



Operator Name:			Lease Nam	e:			Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clo	sed, flowing and shut- es if gas to surface test	base of formations pen in pressures, whether s i, along with final chart(vell site report.	hut-in pressure	reached st	atic level,	hydrostatic pre	essures, bottom h	ole temperature, fluid
Drill Stem Tests Taken (Attach Additional S		Yes No		Log	Formation	n (Top), Depth	and Datum	Sample
Samples Sent to Geole	•	Yes No	1	Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy,	I Electronically	Yes No Yes No						
List All E. Logs Run:								
		CASING Report all strings set-	RECORD		Used te, production	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	S	etting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
	Dillied	Set (III O.D.)	LD3.71 t.		рерит	Cement	Osed	Additives
Purpose:	Donth		CEMENTING /		RECORD			
Perforate	Depth Top Bottom	Type of Cement	# Sacks Use	Used Type and Percent Additives				
Protect Casing Plug Back TD								
Plug Off Zone								
	DEDEOD ATION	N DECORD Dridge Dive	a Cat/Time		Asid From	sturo Shot Com	ant Causage Book	4
Shots Per Foot	Specify Fo	N RECORD - Bridge Plug ootage of Each Interval Per	forated			nount and Kind of	ent Squeeze Record Material Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner	_	Yes I	No	
Date of First, Resumed	Production, SWD or ENH	R. Producing Meth	nod:	Gas Lift	t 🗌 0	ther (Explain)		
Estimated Production Per 24 Hours	Oil Bi	ols. Gas	Mcf	Water	Bb	ols.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:		METHOD OF COM	MPLETION:			PRODUCTIO	ON INTERVAL:
Vented Sold	Used on Lease	Open Hole		oually Comp. bmit ACO-5)		nmingled nit ACO-4)		
(If vented, Sub	mit ACO-18.)	Other (Specify)			•	· [-		

Form	ACO1 - Well Completion		
Operator	Pickrell Drilling Company, Inc.		
Well Name	Coykendall 10		
Doc ID	1119844		

Tops

Name	Тор	Datum	
Heebner	3047	-1578	
Douglas	3075	-1607	
Lansing	3271	-1803	
Kansas City	3549	-2081	
Stark	3691	-2223	
B/KC	3790	-2322	
Mississippi	4080	-2612	
Mississippi Lm	4092	-2624	

ALLIED OIL & GAS SERVICES, LLC 059689 Federal Tex I.D.# 20-5975804

REMIT TO	P.O. BOX 93999
	SOUTHLAKE, TEXAS 76092

SERVICE POINT: medicine Lobseks

DATE 2-2-2013 SEC. TWP. RANGE 76	CALLED OUT ON LOCATION JOB START JOB FINISH
	COUNTY STATE
OLD ORNEW (Circle one) West & nor	A. A.
CONTRACTOR PIKERSII #1	11 0 6
TYPE OF JOB Production	OWNER Pilcers 11
HOLESIZE 77/8 T.D. 4220'	CEMENT
CASING SIZE 412 10.5# DEPTH 4189 TUBING SIZE DEPTH	AMOUNT ORDERED 50 5x 60: 40: 4%69
TUBING SIZE DEPTH DRILL PIPE DEPTH	150sx Class 1 + 10% 59/4 +5#
TOOL DEPTH	. Gilsonire
PRES. MAX MINIMUM	COMMON
MEAS. LINE . SHOE JOINT 2.5'	POZMIX 20.8X @ 9.35 187.00
CEMENT LEFT IN CSG. PERFS.	GEL 23.40 41.80
DISPLACEMENT 66 1/2 bbls of 2% KCL water	CHLORIDE @
EQUIPMENT	801
2011/12/11	Kolsal 120 # @ 36.35 210.80 Kolsal 120 # @ .98 735.00
PUMPTRUCK CEMENTER Darin F.	@
#358-555 HELPER SCOH- P. /	@
BULKTRUCK	
# 364 DRIVER James Bull BULK TRUCK	@
# DRIVER	@
II DRIVER	HANDLING 288.43 @ 2.48 505.51
DDM I DICO	MILEAGE 10.04 x 35 x 210 913.104
REMARKS:	TOTAL \$5880.75
Pipe on hottom & hrest Circulation	351.40 TOTAL \$580.75
Pump 36615 Water, 126615 ASF, 36615 Water, Mix 3050 Coment for Pathole, Mix	SEDVICE
20s coment for mouse hole, mix 150sx	DEPTH OF JOB 4189'
Cemens, Shut Lour, Wish Dumo Llines	PUMPTRUCK CHARGE 2765-75
Pelesse Plug, Strr 2: Spigcemens, Lift	EXTRA FOOTAGE . @
Pressure 9247 hbls, Slow note to 3 bpm 9256 bbls, bump plug 9266/hbls, 500-	MILEAGE 35 @ 7.70 24.50
1006 PSi, Plast Lishell	MANIFOLD Hest ren +11 @ 275-
1,0 1,0 1	DV 35 @ 440 15400
CHARGETO: Pickersi	
	TOTAL \$3414,25
STREET	101AL 1010-100
CITYSTATEZIP	
	PLUG & FLOAT EQUIPMENT
	1-Rusho, plus @ 83.07 1-Guste shoe @ 224.64
To: Allied Oil & Gas Services, LLC.	1- AFU Insert @ 21.33
You are hereby requested to rent cementing equipment	6-Centrelizers @ 5/6/16 336.96
and furnish cementer and helper(s) to assist owner or	@
contractor to do work as is listed. The above work was	300
lone to satisfaction and supervision of owner agent or	TOTAL 9936-
ontractor. I have read and understand the "GENERAL	SALES TAX (IF Any) 376.30
ERMS AND CONDITIONS" listed on the reverse side.	910 00
3 1. Thomas	TOTAL CHARGES 910.281.00
RINTEDNAME BOLT TO MOSOL	DISCOUNT 2056, 90 IF PAID IN 30 DAYS
mel -	VOT 2, 83517-80
IGNATURE 13-0111	101 - 2019(1-120)

ALLIED OIL & GAS SERVICES, LLC 059278 Federal Tax I.D.# 20-5975804

21					-	, SEI	RVICE POINT	ine Lodge, KS
5	DATE 1-25-13	SEC.	TWP.	RANGE FW	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
4	LEASEContentell	WELLS	10	Kingman South	10 Jet 412, 3E	ust 1 Villant	L. COUNTY	STATE
.5	OLD OR NEW (C	irola one)	10	West	Into locaTlo	4	Kingman	l KS
5	OLD ON NEW (C)	ncie one)		L			12-01	7.0
	CONTRACTOR	Pickerl	11		OWNED DI.	F. 11 A :11	, 3,	- In
	TYPE OF JOB 5				OWNER TIE	Krell Drill	ing Company	HINC.
	HOLE SIZE 12 1/4	. 11	TD	125ft	CEMENT		- •	*
	CASING SIZE 85	811 23	T DEF	TH 211.03		DERED 225	-11 A.170	2
	TUBING SIZE DEPTH				acl	DUNIED OFFI	~ MT.3	Coccillo
į	DRILL PIPE		DEF	TH .	5			
	TOOL		DEF	TH			-	1
	PRES. MAX			IMUM	COMMON	2255	DP.FL @ X	4097.50
1	MEAS. LINE		SHC	E JOINT 2044	POZMIX		ė i	· Lucina
Ę	CEMENT LEFT IN	CSG, Za	234, 1,276	31, 5.3.54	GEL	5	X@ 23.40	117.00
	PERFS.				CHLORIDE	88	X @ LOHOO	512.05
Ī	DISPLACEMENT	E-marketing	tost W.	e Ter	ASC			
		EQL	IIPMENT		<u> </u>			
2723							@	
F	UMPTRUCK_C	EMENT	ER Char	lys Elkins			_@	
#	471-3021	IELPER	Kon G	illey 1			_@	
	ULK TRUCK			,			@	•
#	356-290 D	RIVER.	Susti,	Bower 1			_@	
E	BULK TRUCK	55	9.0				-@	
#	E L	RIVER			HANDLING 6	77 30 VOIR	-@	1000
		-			MILEAGE II.	11msx35	x 2110	10330
		REA	ARKS:			100		1010.10
A	uns 5 bbk Fresh	1110400			n ()	18.5	TOTAL	6269.96
	ma 54 bbls Comes			22534	50		200200	
	Isplace with		s Fresh	Water		SERVIO	CE	Ī
C	replate 12 abla	5034	of Comer	4 to Surface	DEPTH OF JOB	275		
_		1 -7		THE PARTY OF THE P	PUMP TRUCK (CHARGE		TEID IVE
					EXTRA FOOTA	CE	^	1512.85
					MILEAGE_		@ 7.70	1/0 60
					MANIFOLD		·@	269-50
					LV 35		@ 4.43	154.00
							@ :	13100
CI	IARGE TO: Pick	rell Dr	Illian Cor	TARRY , Inc.				
			<i>J</i>	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			TYNTAI	19,35.75
31	REET						IOIAL	1,53.75
CIT	TY	STA	ΓE	ZIP	2			
		69733			PL	UG & FLOAT	EQUIPMENT	·
		-						-
					•		@	
						77.000	~	
To	: Allied Oil & Gas	s Service	s, LLC.		- de		@	
Yo	u are hereby requ	ested to	rent cemen	ting equipment	11010		@	
	I furnish cemente				1		@	
cor	itractor to do wor	k as is lis	sted. The	bove work was				i
dor	e to satisfaction a	and super	rvision of c	owner agent or			TOTAL _	a construction
	tractor. I have re					2.0	5 (p)	:
TE	TERMS AND CONDITIONS" listed on the reverse side,			SALES TAX (If A	ny)	х 3		
				TOTAL CHARGE				
יו סס						Mark the Color of		
וטוי	PRINTED NAME NICONAL PROPERTY NAME NAME NAME NAME NAME NAME NAME NAME				DISCOUNT			IN 30 DAYS
	r_	n	1	4/21	NE	+ 6569	4.56	
SIG	NATURE	110	140	1 Um				
	,							塘
	i i					4		
						2		



Pickrell Drilling Co

36-29S-7W Kingman

100 S Main Ste 505 Wichita, KS 67202

Coykendall 10 Job Ticket: 50885

DST#: 2

ATTN: Bob Stolzle

Test Start: 2013.01.31 @ 22:28:10

GENERAL INFORMATION:

Formation: Mississippi

Deviated: Test Type: Conventional Straddle (Reset) No Whipstock: ft (KB)

Time Tool Opened: 01:15:10 Tester: Leal Cason 45

Time Test Ended: 19:37:40 Unit No:

4081.00 ft (KB) To 4101.00 ft (KB) (TVD) Reference Elevations: Interval: 1469.00 ft (KB)

1459.00 ft (CF)

7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter: 10.00 ft

Serial #: 6798 Inside

Total Depth:

Press@RunDepth: 4082.00 ft (KB) 124.32 psig @ Capacity: 8000.00 psig

Start Date: 2013.01.31 End Date: 2013.02.01 Last Calib.: 2013.02.01 Start Time: 22:28:11 End Time: 2013.02.01 @ 00:45:10 19:37:39 Time On Btm: 2013.02.01 @ 05:16:10 Time Off Btm:

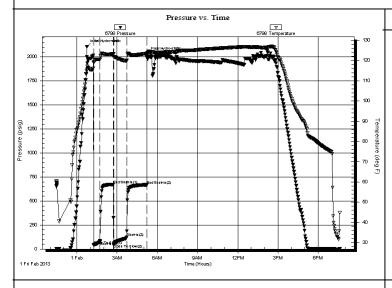
TEST COMMENT: IF: Strong Blow , BOB in 2 minutes

4218.00 ft (KB) (TVD)

ISI: GTS While Bleeding Off, Weak Surface Blow Back

FF: Strong Blow, BOB & GTS Immediate, Gauged Gas & Caught Sample

FSI: 1/2 inch Blow Back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2107.84	115.72	Initial Hydro-static
30	39.26	118.75	Open To Flow (1)
59	74.59	120.61	Shut-In(1)
119	673.21	123.25	End Shut-In(1)
120	51.07	121.44	Open To Flow (2)
179	124.32	119.79	Shut-In(2)
268	669.37	123.43	End Shut-In(2)
271	2027.05	123.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)		
* Recovery from multiple tests				

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	18.00	51.40
Last Gas Rate	0.25	58.00	114.86
Max. Gas Rate	0.25	58.00	114.86

Trilobite Testing, Inc Ref. No: 50885 Printed: 2013.02.01 @ 22:13:34



Pickrell Drilling Co

36-29S-7W Kingman

100 S Main Ste 505 Wichita, KS 67202 Coykendall 10

Job Ticket: 50885

DST#: 2

ATTN: Bob Stolzle

Test Start: 2013.01.31 @ 22:28:10

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)

Time Tool Opened: 01:15:10 Tester: Leal Cason
Time Test Ended: 19:37:40 Unit No: 45

Interval: 4081.00 ft (KB) To 4101.00 ft (KB) (TVD)

Reference Elevations: 1469.00 ft (KB) 1459.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8367 Outside

Total Depth:

 Press@RunDepth:
 psig
 @
 4082.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2013.01.31 End Date: 2013.02.01 Last Calib.: 2013.02.01

 Start Time:
 22:28:11
 End Time:
 19:37:24
 Time On Btm:

Time Off Btm:

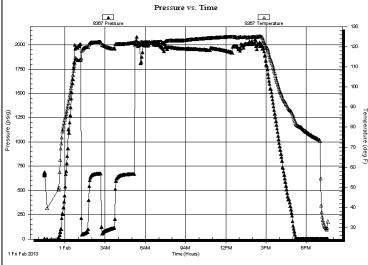
TEST COMMENT: IF: Strong Blow , BOB in 2 minutes

4218.00 ft (KB) (TVD)

ISI: GTS While Bleeding Off, Weak Surface Blow Back

FF: Strong Blow, BOB & GTS Immediate, Gauged Gas & Caught Sample

FSI: 1/2 inch Blow Back



PRESSURE SUMMARY

Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
T or				
Temperature (ded F)				
(deg F				

Recovery

Length (ft)	Description	Volume (bbl)
* Recovery from mult	iple tests	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	18.00	51.40
Last Gas Rate	0.25	58.00	114.86
Max. Gas Rate	0.25	58.00	114.86

Trilobite Testing, Inc Ref. No: 50885 Printed: 2013.02.01 @ 22:13:34



Pickrell Drilling Co

36-29S-7W Kingman

Coykendall 10

Job Ticket: 50885

Reference Elevations:

DST#: 2

1469.00 ft (KB)

1459.00 ft (CF)

Wichita, KS 67202

ATTN: Bob Stolzle

100 S Main Ste 505

Test Start: 2013.01.31 @ 22:28:10

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)

Time Tool Opened: 01:15:10 Tester: Leal Cason
Time Test Ended: 19:37:40 Unit No: 45

Interval: 4081.00 ft (KB) To 4101.00 ft (KB) (TVD)

Total Depth: 4218.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

No station. The strategy and the strateg

Serial #: 8358 Below (Straddle)

 Press@RunDepth:
 psig
 @
 4115.00 ft (KB)
 Capacity:
 8000.00 psig

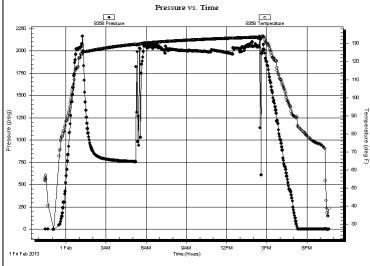
Start Date: 2013.01.31 End Date: 2013.02.01 Last Calib.: 2013.02.01

Start Time: 22:28:15 End Time: 19:38:09 Time On Btm: Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 2 minutes ISI: GTS While Bleeding Off, Weak Surface Blow Back

FF: Strong Blow, BOB & GTS Immediate, Gauged Gas & Caught Sample

FSI: 1/2 inch Blow Back



PRESSURE SUMMARY

	T REGOURE GOWN, act			
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
1				
,				

Recovery

Length (ft)	Description	Volume (bbl)
* Recovery from mul	tiple tests	•

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	18.00	51.40
Last Gas Rate	0.25	58.00	114.86
Max. Gas Rate	0.25	58.00	114.86

Trilobite Testing, Inc Ref. No: 50885 Printed: 2013.02.01 @ 22:13:35



FLUID SUMMARY

Pickrell Drilling Co

36-29S-7W Kingman

100 S Main Ste 505

Coykendall 10

Wichita, KS 67202

Job Ticket: 50885

Serial #:

DST#: 2

ATTN: Bob Stolzle

Test Start: 2013.01.31 @ 22:28:10

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity: ppm

Viscosity: 50.00 sec/qt Cushion Volume: bbl

> 8.78 in³ Gas Cushion Type:

> > Gas Cushion Pressure: psig

4000.00 ppm Salinity: Filter Cake: 0.02 inches

Recovery Information

Water Loss:

Resistivity:

Recovery Table

Length ft	Description	Volume bbl

Total Volume: Total Length: ft bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Laboratory Location:

Laboratory Name:

Recovery Comments:

ohm.m

Printed: 2013.02.01 @ 22:13:36 Trilobite Testing, Inc Ref. No: 50885



GAS RATES

Pickrell Drilling Co

36-29S-7W Kingman

Coykendall 10

Job Ticket: 50885

DST#: 2

ATTN: Bob Stolzle

100 S Main Ste 505

Wichita, KS 67202

Test Start: 2013.01.31 @ 22:28:10

Gas Rates Information

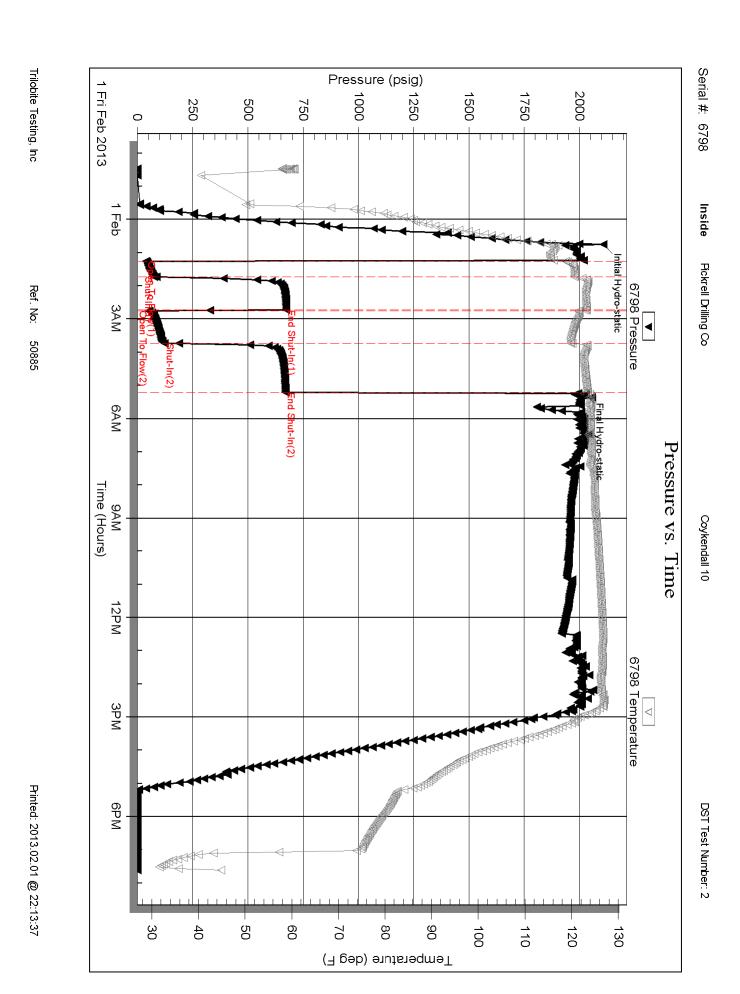
Temperature: 59 (deg F)

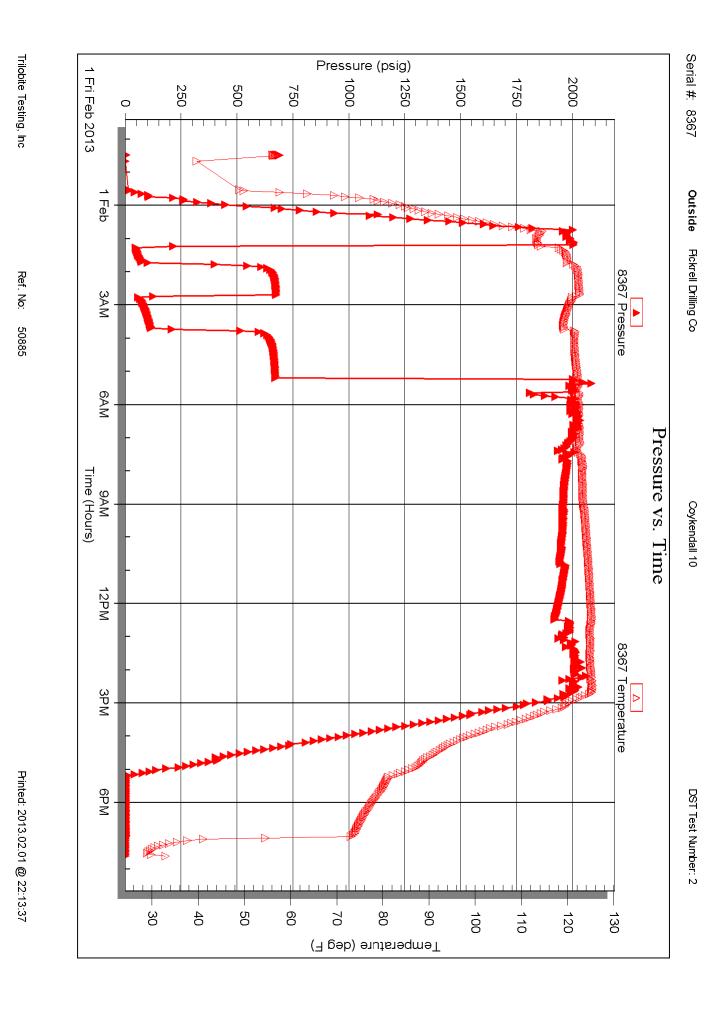
Relative Density: 0.65 Z Factor: 0.8

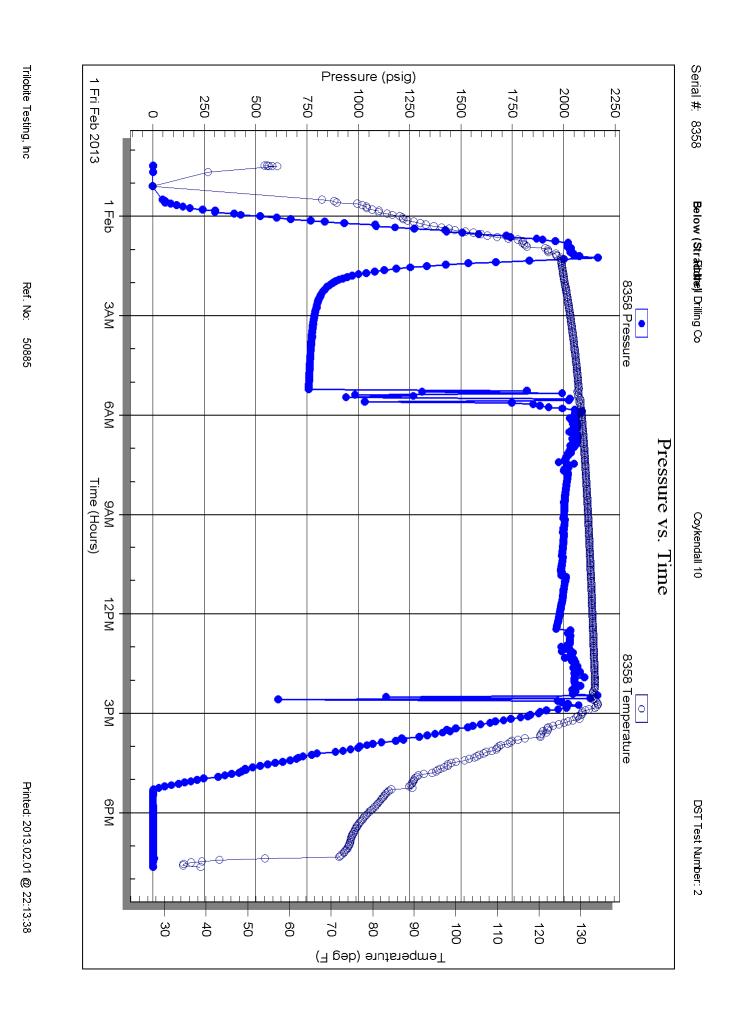
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.25	18.00	51.40
2	20	0.25	26.00	64.09
2	30	0.25	31.00	72.02
2	40	0.25	38.00	83.13
2	50	0.25	46.00	95.82
2	60	0.25	58.00	114.86

Trilobite Testing, Inc Ref. No: 50885 Printed: 2013.02.01 @ 22:13:36









Pickrell Drilling Co

36-29S-7W Kingman

100 S Main Ste 505 Wichita, KS 67202

Coykendall 10

Job Ticket: 50884

DST#: 1

ATTN: Bob Stolzle

Test Start: 2013.01.30 @ 20:36:07

GENERAL INFORMATION:

Formation: Osage

Time Tool Opened: 23:32:37

Time Test Ended: 06:21:52

Deviated: Whipstock: No ft (KB) Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Reference Elevations:

1469.00 ft (KB)

1459.00 ft (CF)

KB to GR/CF:

10.00 ft

4106.00 ft (KB) To 4155.00 ft (KB) (TVD) Interval:

Total Depth: 4155.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Serial #: 6798 Inside

Press@RunDepth: 4107.00 ft (KB) 130.26 psig @ Capacity: 8000.00 psig

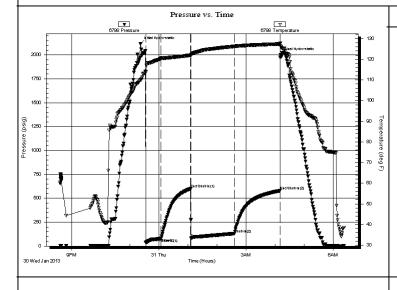
Start Date: 2013.01.30 End Date: 2013.01.31 Last Calib.: 2013.01.31 Start Time: 20:36:08 End Time: 2013.01.30 @ 23:21:52 06:21:52 Time On Btm: Time Off Btm: 2013.01.31 @ 04:11:07

TEST COMMENT: IF: Strong Blow, BOB in 6 minutes

ISI: No Blow Back

FF: Strong Blow, BOB in 3 minutes

FSI: No Blow Back



	PRESSURE	SUMMARY
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Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2118.44	109.90	Initial Hydro-static
11	37.03	113.57	Open To Flow (1)
42	78.68	120.37	Shut-In(1)
104	599.89	121.91	End Shut-In(1)
105	80.71	122.05	Open To Flow (2)
194	130.26	126.19	Shut-In(2)
289	579.45	127.37	End Shut-In(2)
290	2001.91	126.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	160 GIP	0.00
119.00	Water	0.59
120.00	OWCM 2%O 48%W 50%M	1.68
25.00	OCM 5%O 95%M	0.35

Gas Rates

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

Trilobite Testing, Inc Ref. No: 50884 Printed: 2013.01.31 @ 08:04:28



FLUID SUMMARY

Pickrell Drilling Co

36-29S-7W Kingman

100 S Main Ste 505 Wichita, KS 67202 Coykendall 10

Job Ticket: 50884 **DST#:1**

ATTN: Bob Stolzle Test Start: 2013.01.30 @ 20:36:07

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: 126000 ppm

Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	160 GIP	0.000
119.00	Water	0.585
120.00	OWCM 2%O 48%W 50%M	1.683
25.00	OCM 5%O 95%M	0.351

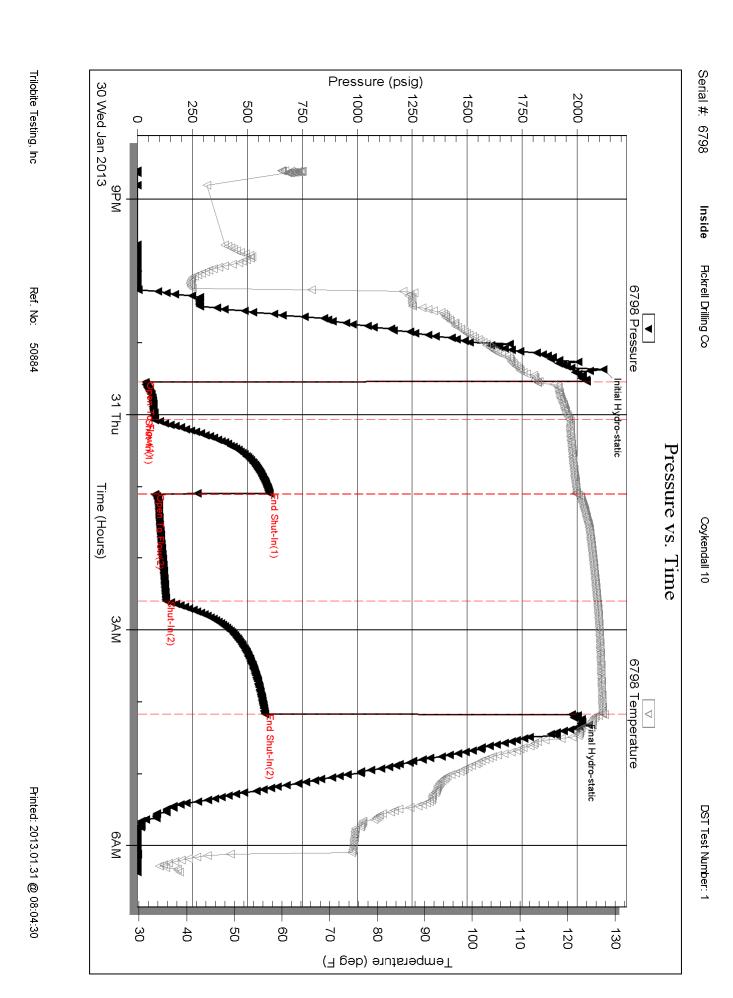
Total Length: 264.00 ft Total Volume: 2.619 bbl

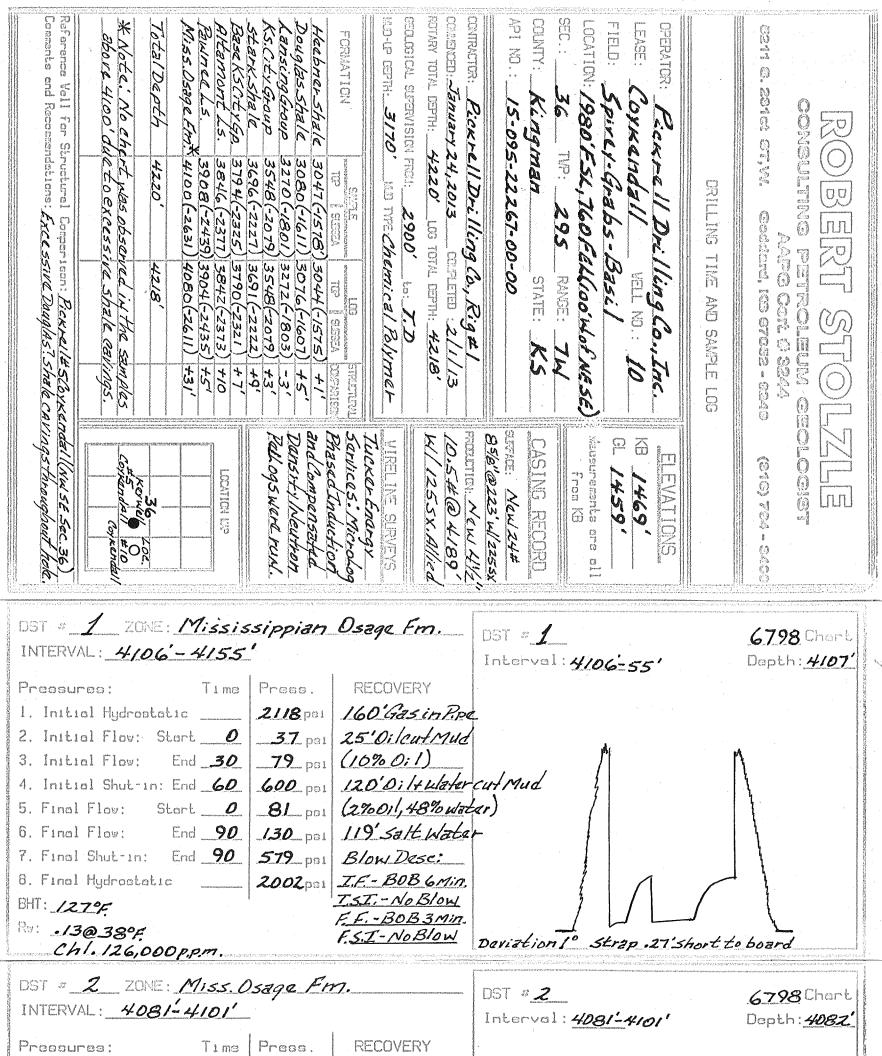
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

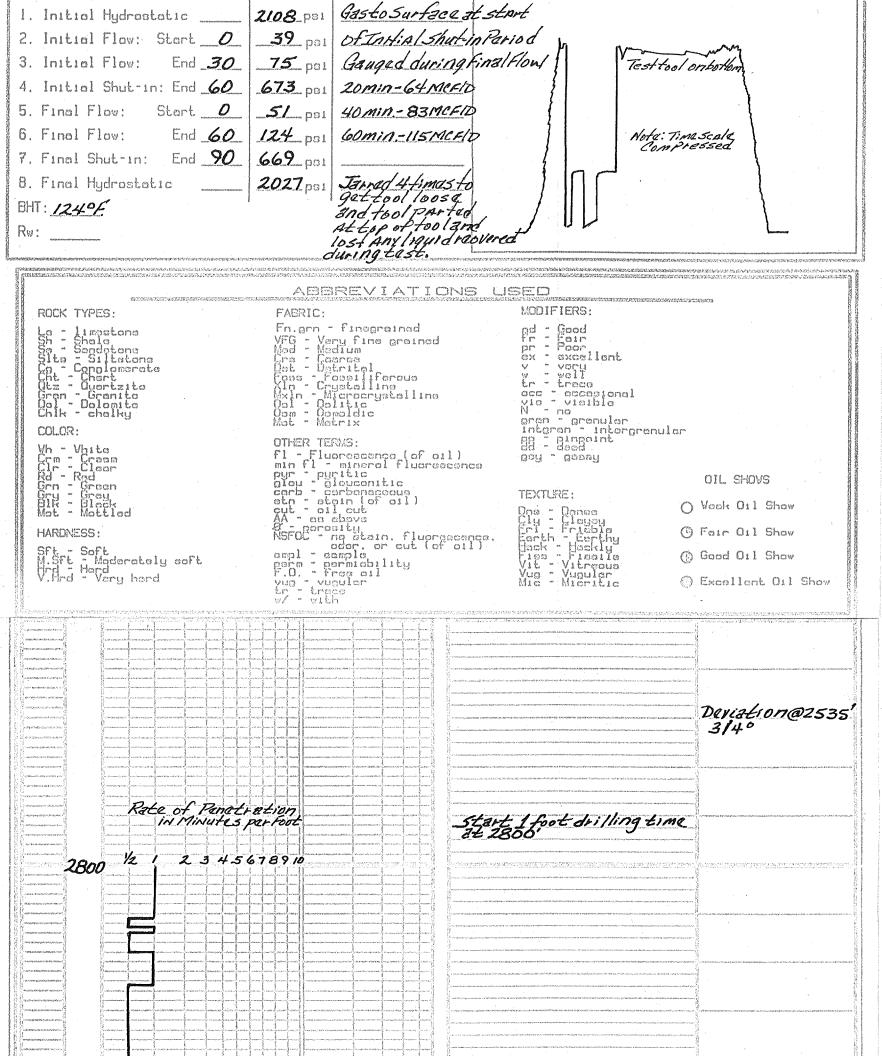
Laboratory Name: Laboratory Location:

Recovery Comments: RW was .13 @ 38 degrees

Trilobite Testing, Inc Ref. No: 50884 Printed: 2013.01.31 @ 08:04:29







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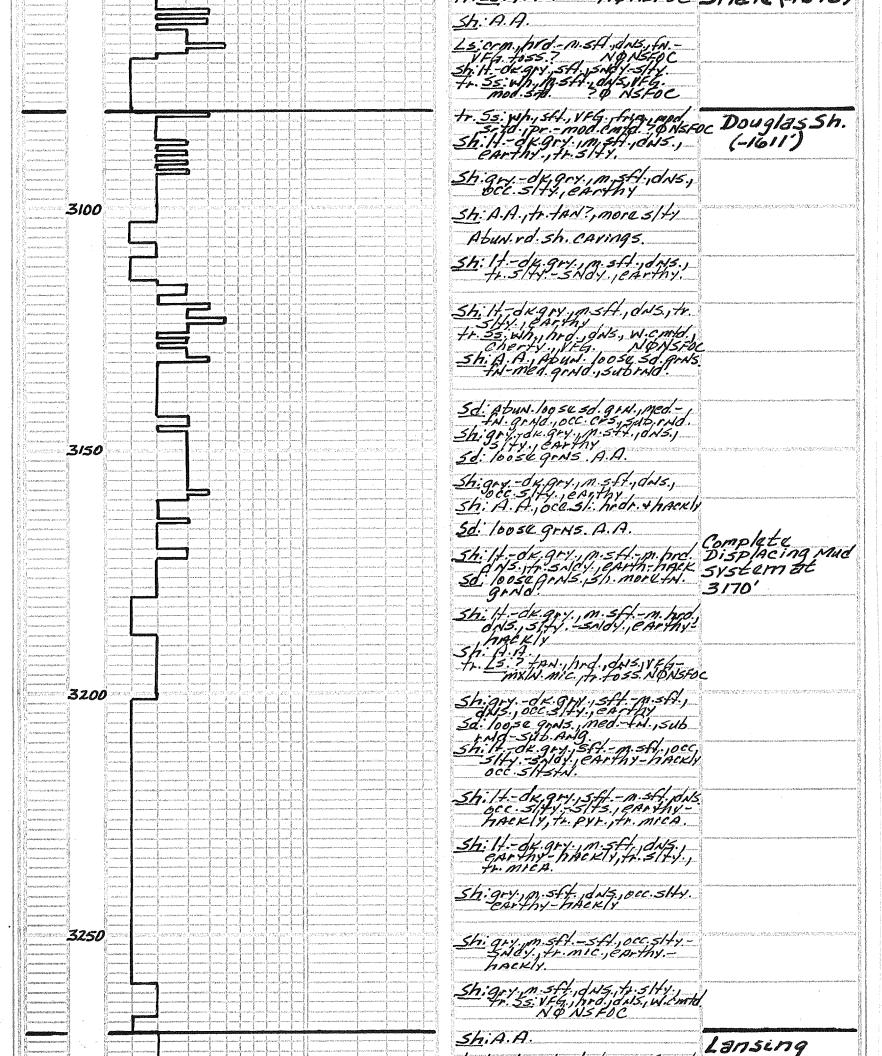
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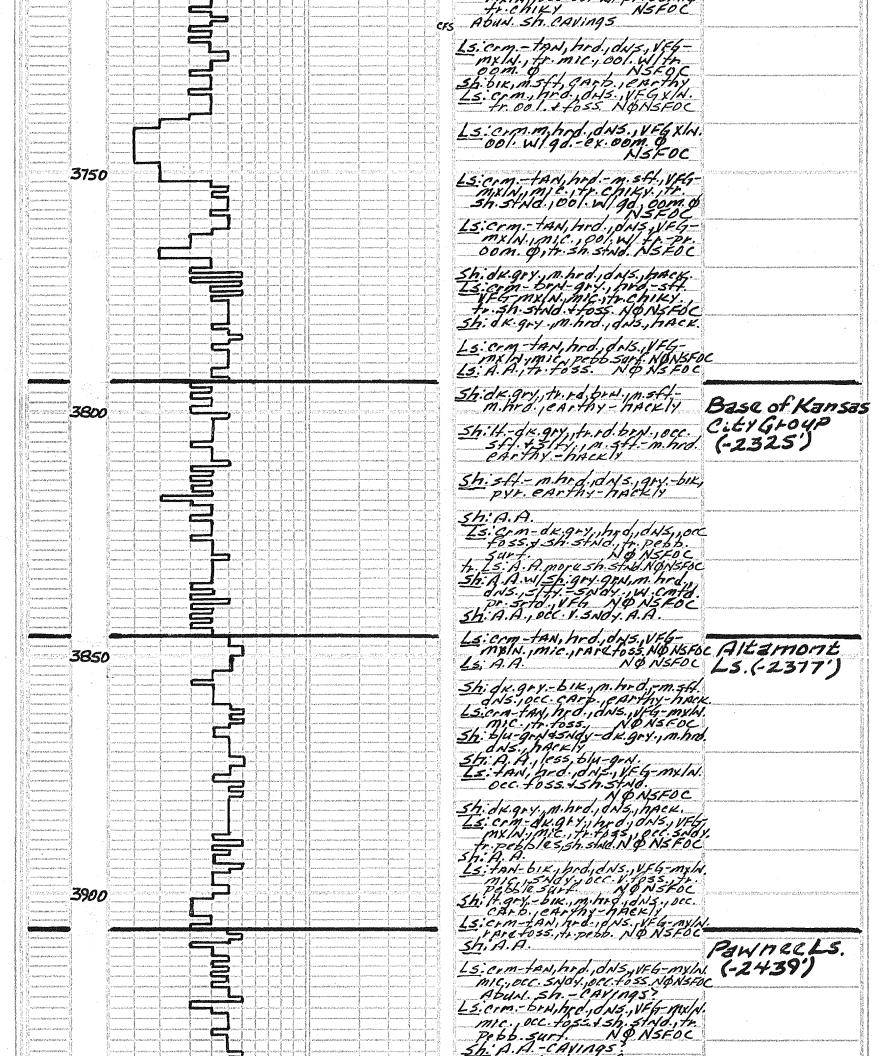
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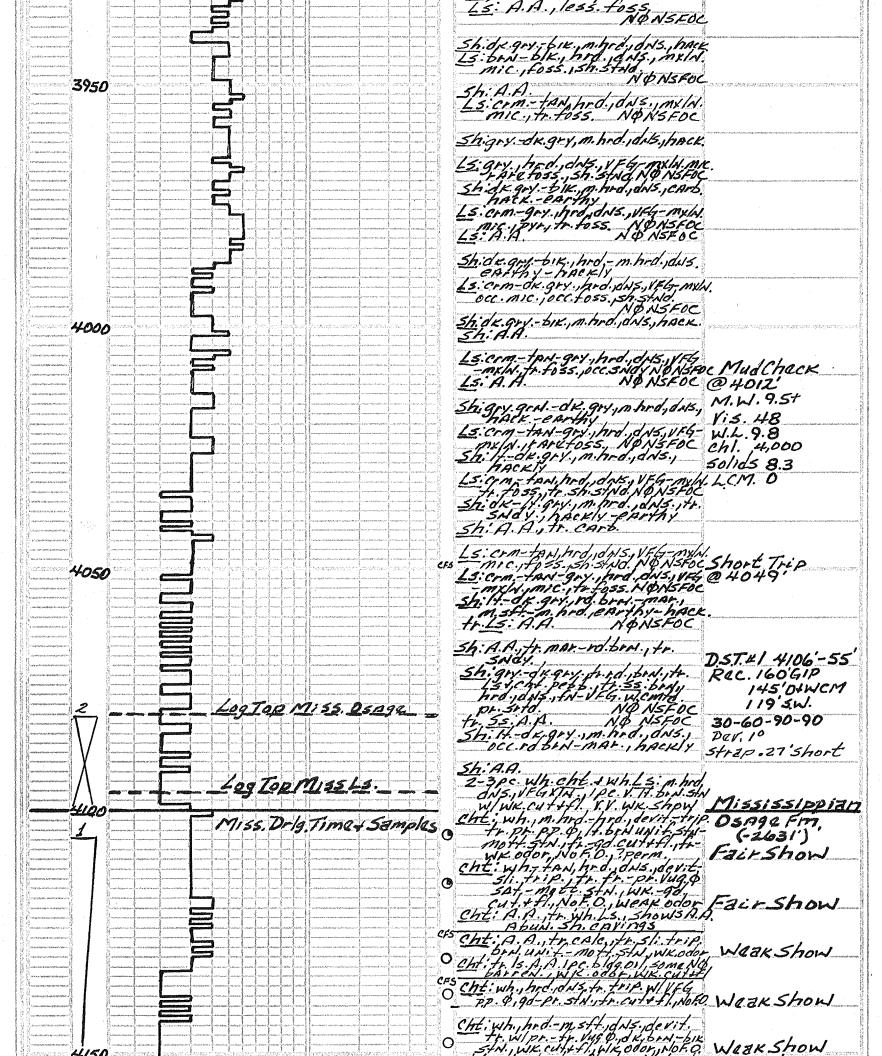
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± 90% Shale CAVINGS
NONSFOC D.T.D. 4220' L.T.D. 4218 Deviationzo Robert Stoffe