

Confidentiality Requested:

Yes No

Kansas Corporation Commission
Oil & Gas Conservation Division

1157285

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 #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec	TwpS. R	East West
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long: _	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR					
GSW	Permit #:		Operator Name:		
_ <del>_</del>			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	TwpS. R	East _ West
Recompletion Date		Recompletion Date	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 Approved by: Date:									

Page Two



Operator Name:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Show open and closed, flowing and flow rates if gas to	ng and shut-in pressu surface test, along w	ires, whe ith final c	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati t if more	c level, hydrosta space is neede	atic pressures, ed.	bottom hole temp	erature, fluid recovery,
Final Radioactivity Log, files must be submitted						igs must be em	alled to kcc-wei	i-iogs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional Sh	neets)	Ye	es No		L		on (Top), Depth		Sample
Samples Sent to Geolo	gical Survey	Y	es No		Nam	e		Тор	Datum
Cores Taken Electric Log Run		□ Ye	es No						
List All E. Logs Run:									
		Repo	CASING ort all strings set-c		Ne		tion, etc.		
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTIN	NG / SQL	    EEZE RECORD	)		
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used	Type ar	nd Percent Additives		
Perforate Protect Casing Plug Back TD Plug Off Zone									
Plug Oil Zone									
Did you perform a hydraulic Does the volume of the total Was the hydraulic fracturin	al base fluid of the hydra	aulic fractu	uring treatment ex		-	Yes Yes Yes	No (If No,	skip questions 2 ar skip question 3) fill out Page Three	,
Shots Per Foot			RD - Bridge Plug: Each Interval Perf				acture, Shot, Cem Amount and Kind of	ent Squeeze Recor f Material Used)	d Depth
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:	Yes	No	
Date of First, Resumed P	roduction, SWD or ENF	IR.	Producing Meth	od:	g 🗌	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er E	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION	N OF GAS:		N	IETHOD OF	COMPI F	ETION:		PRODUCTION	ON INTERVAL:
Vented Sold	Used on Lease		Open Hole	Perf.	Dually	Comp. Co	mmingled		
(If vented, Subn			Other (Specify)		(Submit A	9CO-5) (Sul	bmit ACO-4)		

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/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

September 04, 2013

DEAN PATTISSON Woolsey Operating Company, LLC 125 N MARKET STE 1000 WICHITA, KS 67202-1729

Re: ACO1 API 15-007-24021-00-00 BENEFIEL 3 SW/4 Sec.35-31S-12W Barber 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, DEAN PATTISSON



## TREATMENT REPORT

	02		,												
Customer Wool5	ey Ope	rating	COMP	2an	ease No.	<u> </u>				Date		- (	-1	***************************************	Z
	112	el_			<u> </u>	÷ .		1 16-		0	1			L Cto	<u></u>
Field Order #	Station	'Yra-	tt, Iran	595			Casing (0, (5		<u>2051e</u>	County	<u> </u>	arbo			<u>an5a5</u>
Týpe Job	. N.W	Sur	ace			<u> </u>		Formatio	n			Legal De	escription	121	N ·
PIPI	E DATA	PE	ERFORA	TING	DATA	nt	FLUID (	JSED		TF	REAT	MENT	RESUMI	Ξ	
Casing Size	3 Tubing Si	ze Sho	ts/Ft	20	005	Acid	TS 60	140 Po	z with	RATE	PRES	S	ISIP		
Depth S Fee	Depth	Froi	m	Te ?	Gel	Pre.	and Cal	ciunch	Max.	2. 25	Lb.l	sk.c	5 Min	lah	0
Volume BL	Volume	From	m	То	4.81	Pad	Sal. 5	18Ga	Min S.K.	1,210	U, F	T./9	10 Min.		
Max Press	Max Pres	s From	m	То		Frac	,		Avg				15 Min.		
Well Connection	on Annulus V	/ol. ∖V⊝ Fror	m	То					HHP Use		20		Annulus	Pressu	ıre
Plug Depth	Packer De	epth From	m	То		Flush	20B	bl. Fres	Gas Volu	me			Total Loa	ad	
Customer Rep		Don	Boyd		Station	n Mana	ger Da	vid Sc	ott	Treate	ile	ncef	R. Mes	51C	h
Service Units	37,216	19,90	1 7		70,9	59 1	9,918		,						
Driver Names ∕ M ←		Y	o u na		M	$e \mid h$	orn		<u> </u>			H-10-1			
Time P	Casing Pressure	Tubino Pressu		s. Pum	ped	. F	late				Service	e Log			
6.45					***	Tru	chson	location	nandh	rold s	af∈	ty M	eetin	<u> </u>	
<u> පි:00</u>	F0951	Drill	ingst	art	toru	N5	Joints	New 3	7516	/Ft. 10	).79	5" Ca	5i hg.		
9:00	-						pagement.	Casir	I IN WE	1. Cir	cula	tefo	15 Mi	nuta	-5.
9:15	250						<u>5</u>	Start	Fresh u	latel	Pre	-Flu	15h.		
-	275			10			<u></u>	Start	Mixin	,200:	<u>59ch</u>	5601	40 Poz	cei	Ment.
	150		6	3			5	Start	Fresh	Water	Dis	place	e ment		
938	300		<u> </u>	<u> 33</u>	is.			Pluga	own. Sh	ut in 1	Nell.				
								Circu	ated 10	Suchro	CON	Ment t	othe	pit.	
								Wash		<u>aptru</u>		*****		\$.	
10:30						**********		Tobo	Comple	te.					~···
								Thank	TYOU						
								Clase	nce, 5	teve,	70	M			
	<u> </u>														
						2022						and the same of th			
				·····		***************************************									
												····			
												- " "			
				w			*								
														J	
5109M	 4 NE Hiv	 		Boy.	 8613	معروا ه	tt KS.	   71 <i>94</i> _86	13 • (62	በነ 672	.12N	í o Es	v (620)	67 <i>9</i> )	5383
UU/4CI		اللاهادا			CULTURE			ALLEY TO BE SEEN		كالنوات	لنحيي				



## TREATMENT REPORT

energ								· · · · · · · · · · · · · · · · · · ·	<del></del>		***************************************	
Customer 420	20/527	ger (i)	Be.		ease No.			Date	•			
0000	CEIEC			W	ell#				County	5-15-1	_3	
Field Order #	Station	2217	77 K	5		Casing	Casing Depth			BARBER		State
Type Joh	1ω.	2	LONGS.	F1421			Formation			Legal D	escription	/-/2
	DATA		ERFORA	/	DATA	FLUID U	SED		TI	REATMENT	RESUME	<u> </u>
Casing Size	Tubing Size	e Sho	ots/Ft			Acid		RATE	PRESS	ISIP		
Depth 36	Depth	Fro	m	To Pro		Pre Pad	Pre Pad			310000	5 Min.	
Volume	Volume	Fro		То		Pad	WHITE THE PARTY OF	Min	A.		10 Min.	
Max Press	Max Press	Fro		То		Frac		Avg			15 Min.	
Well Connection	Annulus Vo			То				HHP Use	ed			Pressure
Plug Depth	Packer Dep			То		Flush		Gas Volu	ıme		Total Loa	ad
Customer Repr	esentative				Station	n Manager	IF SCO	magaziya.	Treate	er Lobert	4/1	42
Service Units	32900	3.3.20	18 20	Q20	198	19962		*				
Driver Names	2//,500	120	MINE		6	(b_50)	WHIMPS IN THE STATE OF THE STAT					
Time	Casing Pressure	Tubin Pressu	9	bls. Pum	ped	Rate				Service Log		***************************************
10:00							ON LOC	Seft	, <i>M</i>	etz.,		
								/				
.j.t.							Rus)	118	5/5	44 70	5050	
							art 2	3,45,	289	19,13,14	•	
		******					SCRA+CI	long 3	7, 3, B	4 4 G	9. 20,	13 15
1.50					<i>r</i>		CHSING	<u>0</u> N	BoHoz	27/		
2:05	ALLANTO						Hook	Ly.	TO SH	ic.	- 1-e3	
2,50	200			12		4.5	14 5	0 5K 6	ea/40 p	12 cm	14 199	
							At evis	7 125	SK A	1 <u>4 - 2 cm t</u>	1424	199
				35	7		<u>(                                    </u>	<u>m2x 40</u>	<u>0 shi</u>	1 dune	1 620	A Aughin
$\rightarrow$							<u>Nakas e</u>	Mny				·
				- eu.		4	At Die	<u>.</u>				
7	150	4000000 · · · · · · · · · · · · · · · ·		54			17/1	45			***************************************	
	500						S/0 W)	RATO				
330	1200			75		<u> </u>	Hug L	Jours 1				
					·		play 1	<u> </u>	300			
							p. 12. 13	n. 44				
						<i>*</i>	******	5013 1	onf 1	le fre	<u> </u>	
-		<b>200</b> 0000000000000000000000000000000000							77.	ASKYL	<u></u>	
		<del>unoreo</del>										
		70.171.181.781					الإيلال الإيراج	¥10 - */°	00\ 0=/s	1004-1-	(CAN	670 5000
10244	NE Hiw	ay 6°	T • P.O	. Вох	8613	• Pratt, KS 6	7124-86	मुख <b>८</b> (६)	20) 6/2	FIZUIPIF	ax (02U)	072-3363



#### DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000

35-31S-12W Barber

Benefiel 3

Job Ticket: 50924

Reference Elevations:

DST#: 1

1631.00 ft (KB)

1619.00 ft (CF)

ATTN: Scott Alberg

Wichita, KS 67202

Test Start: 2013.05.12 @ 22:12:36

#### GENERAL INFORMATION:

Formation: Mississippi

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

Time Tool Opened: 01:33:51 Tester: Leal Cason Time Test Ended: 08:27:36 Unit No: 45

Interval: 4377.00 ft (KB) To 4405.00 ft (KB) (TVD)

Total Depth: 4405.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 6798 Inside

Press@RunDepth: 68.42 psig @ 4378.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2013.05.12
 End Date:
 2013.05.13
 Last Calib.:
 2013.05.13

 Start Time:
 22:12:37
 End Time:
 08:27:36
 Time On Btm:
 2013.05.13 @ 01:20:51

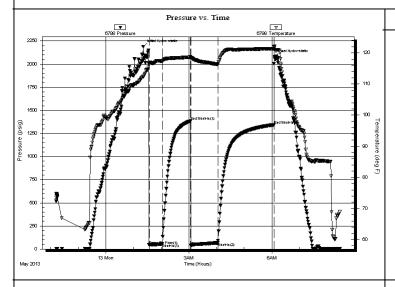
 Time Off Btm:
 2013.05.13 @ 06:05:36

TEST COMMENT: IF: Strong Blow, BOB in 45 seconds

ISI: No Blow Back

FF: Strong Blow, BOB immediate, GTS in 4 minutes, Gauged Gas

GSI: No Blow Back



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2188.81	112.37	Initial Hydro-static
13	45.15	116.77	Open To Flow (1)
42	56.71	117.29	Shut-In(1)
103	1383.39	118.65	End Shut-In(1)
104	36.63	118.33	Open To Flow (2)
162	68.42	116.28	Shut-In(2)
284	1344.20	121.37	End Shut-In(2)
285	2080.82	122.14	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	4158 GIP	0.00
63.00	GSY WOCM 18%G 20%W 30%O 32%N	/I 0.31
140.00	GSY WOCM 30%G 15%W 30%O 25%N	Л 1.15

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	7.00	33.95
Last Gas Rate	0.25	8.00	35.54
Max. Gas Rate	0.25	10.00	38.71

Trilobite Testing, Inc Ref. No: 50924 Printed: 2013.05.13 @ 09:44:59



### DRILL STEM TEST REPORT

**FLUID SUMMARY** 

Woolsey Operating Co

35-31S-12W Barber

125 N Market Ste 1000 Wichita, KS 67202 Benefiel 3

Job Ticket: 50924

DST#:1

ATTN: Scott Alberg

Test Start: 2013.05.12 @ 22:12:36

#### **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: 110000 ppm

Viscosity: 47.00 sec/qt Cushion Volume: bbl

Water Loss: 9.19 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm Filter Cake: 0.02 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
0.00	4158 GIP	0.000
63.00	GSY WOCM 18%G 20%W 30%O 32%M	0.310
140.00	GSY WOCM 30%G 15%W 30%O 25%M	1.153

Total Length: 203.00 ft Total Volume: 1.463 bbl

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

Laboratory Name: Laboratory Location: Recovery Comments: RW w as .075 @ 70 degrees

Trilobite Testing, Inc Ref. No: 50924 Printed: 2013.05.13 @ 09:45:00



## DRILL STEM TEST REPORT

**GAS RATES** 

Woolsey Operating Co

125 N Market Ste 1000

35-31S-12W Barber

Benefiel 3

Job Ticket: 50924

DST#:1

ATTN: Scott Alberg

Wichita, KS 67202

Test Start: 2013.05.12 @ 22:12:36

#### **Gas Rates Information**

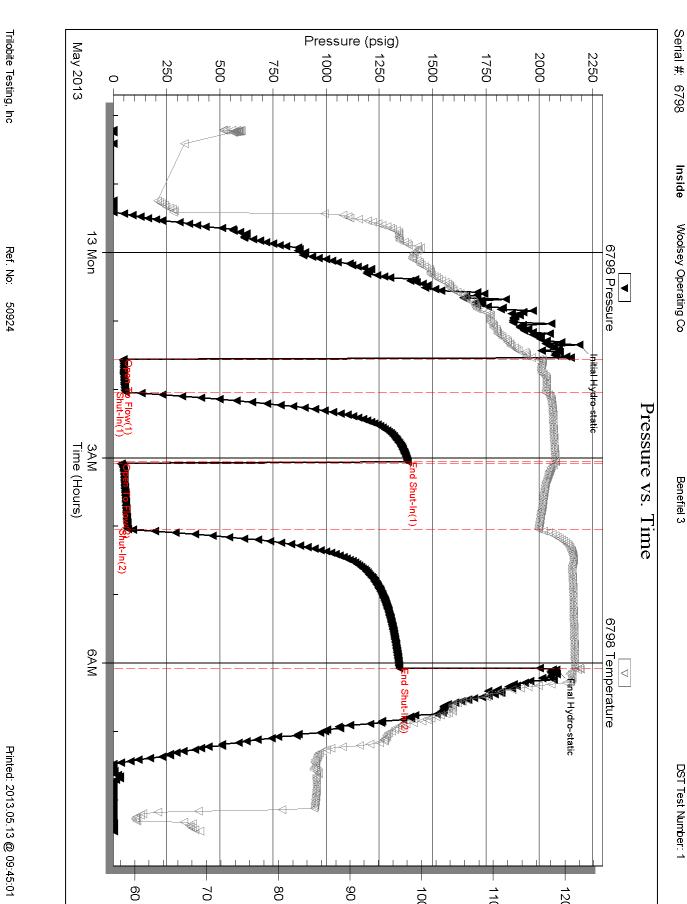
Temperature: 59 (deg F)

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	7.00	33.95
2	20	0.25	10.00	38.71
2	30	0.25	8.00	35.54
2	40	0.25	8.00	35.54
2	50	0.25	8.00	35.54
2	60	0.25	8.00	35.54

Trilobite Testing, Inc Ref. No: 50924 Printed: 2013.05.13 @ 09:45:01



Temperature (deg F)



# Woolsey Operating Company, LLC Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: BENEFIEL #3

**Location: APPROX SW NE NE SW** 

License Number: API: 15-007-24021-00-00 Region: Barber County, Kansas

Spud Date: May 7, 2013 Drilling Completed: May 14, 2013

Surface Coordinates: Section 35-T31S-R12W, 2035' FSL, 2090' FWL

Pike South

**Bottom Hole Vertical Hole** 

Coordinates:

Ground Elevation (ft): 1619 K.B. Elevation (ft): 1631 Logged Interval (ft): 3000 To: RTD Total Depth (ft): 4875

Formation: Simpson

Type of Drilling Fluid: Chemical Mud, Displace at 3382'.

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

#### **OPERATOR**

**Company: Woolsey Operating Company,LLC** 

Address: 125 N. Market, Suite 1000

Wichita, KS 67202

#### **GEOLOGIST**

Name: W. Scott Alberg

Company: Alberg Petroleum, LLC Address: 609 Meadowlark Lane

Pratt, Kansas 67124

#### **FORMATION TOPS**

	SAMPLE TOPS	LOG TOPS
LECOMPTON KANWAKA HEEBNER M. DOUGLAS SAND BROWN LIME LANSING STARK SHALE HUSHPUCKNEY SHALE B/KC PAWNEE MISSISSIPPIAN KINDERHOOK SHALE WOODFORD SHALE VIOLA	3470(-1839) 3501(-1870) 3628(-1997) 3758(-2127) 3806(-2175) 3813(-2182) 4190(-2559) 4229(-2598) 4290(-2659) 4354(-2723) 4375(-2744) 4575(-2944) 4663(-3032) 4699(-3068)	3469(-1838) 3499(-1868) 3627(-1996) 3756(-2125) 3805(-2174) 3811(-2180) 4188(-2557) 4227(-2596) 4290(-2659) 4352(-2721) 4274(-2743) 4573(-2742) 4660(-3029) 4697(-3066)
SIMPSON SHALE SIMPSON SAND RTD LTD	4799(-3168) 4831(-3200) 4875(-3244)	4797(-3166) 4822(-3191) 4874(-3243)

#### **COMMENTS**

Surface Casing: Set 5 joints 10 3/4" at 204' with 200 sxs Class A, 2% gel, 3% cc, plug down at 9:30 pm on May 7, 2013. Cement did Circulate.

Production Casing: Ran 4 1/2" Casing.

Deviation Surveys:1/2 - 217', 1 - 814', 3/4 1384'. 3/4 1767',1 - 2275', 1/2 - 2811', 1 - 3446', 1/2 - 3951', 3/4 - 4405',

3/4 - 4875'.

**Contractor Bit Record:** 

1- 14 3/4" out at 217'.

2- 7 7/8" out at 4405'.

3- 7 7/8" out at 4875'.

Pipe Strap at 4405'

Board 4426.64'

Strap 4424.01'

Short 2.63'

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Engineer

**DSTs: Trilobite Testing, Leal Cason** 

**Logged by Nabors Completion and Production Services** 

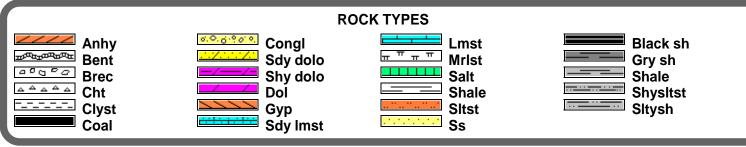
LTD - 4874'.

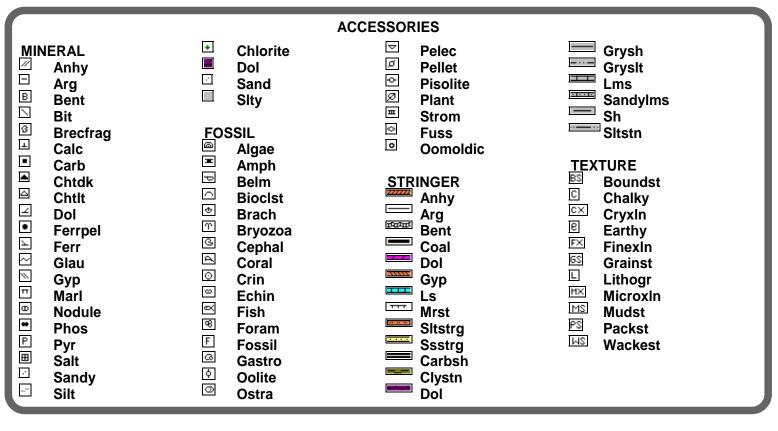
#### **DSTs DST #1 4377 to 4405 Mississippi** Times 30-60-60-120 1st Opening - Strong Blow BOB in 45 Seconds - no blow back 2nd Opening - Strong Blow - GTS 4 minutes - no blow back Recovery: Gas Gauge 10 min 34 MCFPD 40 min 35 MCFPD 20 min 29 MCFPD 50 min 35 MCFPD 30 min 35 MCFPD 60 min 35 MCFPD 4158' GIP 140' GWOCM (30% G, 30% O, 15% W, 25% M) 63' GWOCM (18% G, 30% O, 20% W, 32% M) Chlorides 110,000, Temp 122

#### **CREWS**

Fossil Drilling, Inc Rig #3
Tool Pusher - Craig Eubank- Jim Wenrich
Drillers - Days - Daniel Orranta
Evening - Jim Wenrich - Allen Collins
Morning - Andres Maestas

IFP 45-57# FFP 37-68# ISIP 1383# FSIP 1344# IHP 2189# FHP 2081#





Curve Track 1 ROP (min/ft) Gamma (API)	Depth	Lithology	Oil Shows	Geological Descriptions	C1 C2 C3 C4	(units (units (units (units (units (units	) ) )	TG, C	:1-C5	•		<b>-</b>
-c-	3250 32			Drilling Progress  May 7, 2013 MIRT SPUD  May 8, 2013 286' @ 7:00 am  May 9, 2013 2053' @ 7:00 am  May 10, 2013 2960' @ 7:00 am  May 11, 2013 3720' @ 7:00 am  May 12, 2013 4230' @ 7:00 am  May 13, 2013 4405' @ 7:00 am  May 14, 2013 4720' @ 7:00 am  May 15, 2013 4875' @ 7:00 am Preparing to Run Casing					Loca pm May 3255	10, 20 <sup>-</sup>	13	
-c-	3300											
-C-	3350											

