KOLAR Document ID: 1363984

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 #	API No.:
Name:	Spot Description:
Address 1:	
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 #	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: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
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 ☐ Drill Stem Tests Received					
Geologist Report / Mud Logs Received					
UIC Distribution					
ALT I II Approved by: Date:					

KOLAR Document ID: 1363984

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	Type of Cement # Sacks Used Type and Percent Additives					
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion		
Operator	Dixon Operating Company, LLC		
Well Name	BYER 1-3		
Doc ID	1363984		

All Electric Logs Run

DIL	
MEL	
POR SON	
SON	

Form	ACO1 - Well Completion		
Operator	Dixon Operating Company, LLC		
Well Name	BYER 1-3		
Doc ID	1363984		

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1		shot	3590-3604
1		shot	3620-3650

Form	ACO1 - Well Completion		
Operator	Dixon Operating Company, LLC		
Well Name	BYER 1-3		
Doc ID	1363984		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	367	60/40 poz		3% CC, # cello flake
Production	7.875	5.5	17	3880	AA-2	150	25 sks scavenger

REFERENCE WELL FOR STRUCTURE MURFIN DRILLING CD RANK# 2-2 1500' FNL - 330' FWL , SEC 2-T235-R12W, STAFFORD CTY,KS.	1 + 1246 6 + 1224 6 - 1309 7 - 1447 1 - 1447 1 - 1447 1 - 1486 2 - 1748 2 - 1748 24 - 1944 24 - 1944 24 - 1944	COMMENCED 43 JUNE 17 COMPLETED 1 JULY 2011 GEDLOGICAL SUPERVISION FROM 3080 TO TOTAL DEPTH DRILS. 3890 TOTAL DEPTH DRILS. 3890 TOTAL DEPTH LOG 38714 GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - MEL CHIL - COL GEDLOGICAL SURVEYS FILL LOGGING SERVICES DILL - COL GEDLOGICAL SURVEYS FILL SURVEYS FILL LOGGING SERVICES DILL - COL GEDLOGICAL SURVEYS FIL	15 Jan 1986	CHARLES SCHMALTZ CONSULTING GEOLOGIST WICHITA, KANSAS REPORT LOG REPORT LOG T 235 REPORT REPORT REPORT T 235 REPORT REPOR
3880'-	MUD RECORD NO DATE DEPTH ACTIVITY NT VIS NO DATE NT	BIT RECORD PIPE STRAPS & DEV. SURVEYS LL.	30" 60" 90" 19°F 93' ME SOCG 20 ^{±-18*} 1150 1138 1786 [±] 1488' GIP 36" 60" 90" 19°F 50' 0256CM	DRILL STEM TESTS Interval IFP/Time ISIP/Time IFF/Time I
Rate of Penetro	Anhydrite Salt Sandstone E IN MINUTES R FOOT ation Decreases DEP 10" 15" 20" 25" 600 10 280	Shale Carb sh L SAMPLI Is: affwh, tar colcutic in p no show sh: grey, d	imestone Ool.Lime Chert DESCRIPTIONS DESCRIPTIONS Carey, some dolumitic.	Dolomite REMARKS ANHYDRITE - TOP - 612 (+1228) ANHYDRITE - BASE - 631 (+1209)
	30 40 285 60 70 80 90 290 10 20 30	sh: grey, di silty; wife no show sh: H: grey part Is: offwh, ton scat pr inte Is: tan, gree Sli shaley (o, no show Is: as about foss, scat Is: tan, fixtl brown, med app pr inte Is: tan, lt. b foss, some Is: tan, lt. b sli ool/pelli scat pr-fr Is: brown, chalky in Is: tan, lt. a	grey, some micaceous, y, vfn-fngrained, friable, vis &, no show a grey, green-grey, sli w clusters ss: as above, grey, dk grey, sity in o, grey, fn-med xtln, foss, axtln &, sli chalky, no show grey, med xtln, mottled, erxtln &, no show o, fn-med xtln, foss, some pale green, lt. grey); no vis ve w/ ls: brown, med xtln, dolo cement, no vis &, n.s. n, sli chalky, no vis &, ls: xtln &, no show in, grey, fn-med xtln, no iderable lt. grey, vfnornd, micaceous, app pr Ø, n.s. rown, grey, fn-med xtln, mottled, no vis Ø, no show rown, grey, fn-med xtln, trown, grey, fn-med xtln, yart, calcitic in part, hterxtin Ø, no show ogey, tt. grey, fn-med xtln grey-tan, lt. brown, fn-med s, calcitic in port, scat	
	2950 60 70 80 90 3000 10 20 3050 66	Is: grey, dk dense; wi dense; wi sh: H. grey, Is: brown, mer-tre fr in Is: tan, H. brows & vrv foss & vrv foss & ls: tan, H. browdy &, ne Is: as above chalk Is: as above chalk Is: as above vfn-fnxHr	e; dense wl sh: grey, ey, few pcs rust n, grey, fn. medxtln, erxtln &, no show n, fn. some medxtln, pr. fr interxtln/inte- no show ve; wl considerable wh	
	3100 30 40 3150 60 70 80	Sie as about Sie	chalk ve; dec in b, wl few pis ve; dec in b, wl few pis ve; the vis b, no show; wl ve; the vis b, no show; wl ve; thalky in part, wl 1s: qranular, scat pr inter- ve; chalky in part, wl 1s: qranular, scat pr inter- ve; no show; wl 1s: brown, nxtln; dense ve: chalky in part, ve; chalky in part, ve; no show; wl 1s: brown, nxtln; dense ve: chalky in part, ve; some brown rust ve; some brown rust ve; some brown rust vwn, fn-medxtln; sli fass, vterxtln b, no show, wl sh: very, brown vn, fn-med xtln; foss, art, poor interxtln b, N.S. veen, brown; wl scat 1s:a.a. qrey, green, brown, wl qrey, green, brown, wl qrey, green, brown, wl	HEEBNER 31SI (-1311)
	10 20 30 40 3250 60 70 80 90 3300	sh: as above fingrained fine show fine sh	s ss: grey, fingrained, vis &, no show ove; some sity/sandy grey, brown, green, sli e, w/ scat ss: grey, Ind vis &, no show grey, brown, some ove; w/ inc in dk grey sh grey, dk grey, black, scat grey, brown, grey, vfn-fn foss, dense grey, brown, some ge w/ few cluster ss: grey y friable, shaley, no vis & y brown, fn-med xtlr, vis &, no show ve; w/ ls: grey, vfnxtlr, t, grey, brown, vfn-same ll foss, no vis &, no show the grey, brown, vfn-same ll foss, no vis &, no show	BROWN LIME 3288 (-1448) -
	335 60 70 80 90 340 10 20 3450 40 3450	Is: offwh, tan vry scat pr It st in calc Is: tan, grey, Is: tan, tan detrital, s vuggy &, p cp! minute Is: offwh, tan chalky in p xtin & vugg Is: offwh, tan chalky in p scat pr-fr i pr spotty If Is: offwh, to scat pr-fr i pr spotty If Is: tan, bro chalky in p interxtin a Is: as about Is: as about We cut, np	i, grey, fri-medxtln, sli foss, interxtln &, cpl pcs spotly te, vry ft oil sheen, no odor vfn-frixtln, dense c grey fri-medxtln, cat pr-trc fr interxtln & spotty st; minimal sat; ppts Fo, no odor vn, grey, fri-medxtln, no part, no vis &, no show in, brown, grey, fri-medxtln, part, scat app pr intergy &, no show in, brown, grey, fri-medxtln, part, dense; wl offwhickly is sey, fri-medxtln, sli foss, interxtln & vuggy &, cpl pcs st & ft oil sheen, no odor n, some brown, fri medy in part, v sli ooc w/ aav & ooc &; no show wn, grey, fri-medxtln, part, sli calcitic, tr pr	DST#1 (3444-3560) MIS - RUN PACKER FAILED DST#2 (3430-3560) 30"-60"-60"-90" IFP: SURF BLOW BLOG TO 5" SIR: NO BLOW FFP: SURF BLOW BLOG TO 6" DECREASING TO 3'/2" FSIP: NO BLOW RECOVERED: 120' GIP 60' SOCM (5%0,95% M) HSP: 1746#- 1691# FP: 22#23#/ 26#-35# SIP: 419#_ 420# BHT: 110° F
A CFSC	30 40 355	Is: offwh, to part; app p d, pr-fr sp d, pr-fr sp d sat, FSFO Is: tan, It. a Is: offwh, ta Is: offwh, ta Is: as abov Is: It. grey, Is: offwh, ta Is: tan, brown Is: as abov Is: It. grey, Is: fragmental Is: offwh, ta Is: offwh, ta Is: offwh, ta Is: tan, brown Is: tan, It. brown Is: tan,	n, fn-medxtln, finely, col in intercol, interxtln & vuggy bity dk st, few pcs gd st an break, ft odor rey, vfn-fnxtln, dense rown fn-medxtln ooc boc & interxtln & no st or odor no show oil tan, vfn-fnxtln, dense k arey, black n, fn-medxtln, few pcs ooc pr-fr interxtln & no show i, lt. grey, vfn-fnxtln, dense cy, some brown, vfn-fn n; wl scat offwh, tan n; well cemented, pr inter- or spotly st in cement; agas bubbles, no odor grey, green, brown, sli silty ovis & no show grey, green; wl sh: brown, nmy; wl ls: offwh, lt. grey, lletal; wl st matrix wn, grey, fn-medxtln, sh: grey, dk grey ixtln, granular in ot, pr-fr	STARK 3507 (-1667)- BKC 3559 (-1719)-
CFS@	3600 10 20 25 30 40 365 60 70 80 80 80 3700	A fluor, wk cut mostly probleed oil & codor A heed oil & codor A	own, rust, sli sitty, scat _, bright green sh. ilty, some rust-brown, few ale green; wi a wh, fresh, t pr ppt o widk brown blkst =; inc in rust-brown sh,	DST#3 (3538-3625) 30"-60"-60"-90" IFP: SURF BLOW BLDG TO BOB— IN 9 MIN ISIP: SURF BLOW ONED IN 8 MIN FFP: BOB IN 30 SEC. PSIP: BLOW BLDG TO 2½" DIED IN 27 MIN RECOVERED: 1953' GIP 62'50\$ MCG (5%0,5%M,90%B) 93' M\$SOCG (20%M,5%0,75%G) HSP: 1793*—1736* FP: 25* 40" 45*—77* SIP: 1153*—1101* BHT: 109° F DST*4 (3626-3655) 30"-60"-60"-90" IFP: BOB IN 9 MIN ISIP: NO BLOW
2.550.2	30 40 3750 60 70 80 90 3800 10 20 30 40 30 40 30 40 30 40 30 40 30 40 30 40 30 40 30 40 30 40 40 40 40 40 40 40 40 40 4	Scat A Scat A Scat A Shi grey, dle greyish-gre A A Shi shaley, he shi arev br fresh Scat A A Shi grey, br green, gun A A G oil resi A A Shi as abo A Shi grey, re grey-gree A Fresh A as Shi as abov bright gree Scat dd oil Shi A as a brown, vfn dolo: offwh dense; scat dolo; offwh medxtln, m medxtln, m interxtln a A Golo: offwh / A grey, sen / A dolo: offwh / A dolo: offwh / A dolo: offwh / A dolo: offwh / A grey, sen / A dolo: offwh / A dolo: offwh / A dolo: offwh / A grey, sen / A dolo: offwh / A grey / A dolo: offwh / A grey / A dolo: offwh	as above. arey, brown, while we passen, green; few included sole prown, vingrained, cala, and no vis vi, no flux, cut, st, who do all stain few clusters as above no show we what a a.a. bun, green; sh: It grey, my; A wh, fresh, scat where few pas green soly shest brown; sh: green, in, sandy in part; scat whose which who fresh, opaque, residue e; sh inc in pale green, above which part; scat where he past tan, the fixth dense is tran, the brown, fin-medxth, at pr-ypr interxth o, n.s. tan, the brown, fin-some median, the brown, vin-some median, the brown, vin-some medianterxth o, which who show his trans, fresh a; no show his tan, vin-medxth, shifterxth o; what a copaque-semi-trans, N.s. s above: which passers sandy, an, fin-medxth, shi sandy, an, fin-medxth, shi sandy,	FFP: BOB IN 30 SEC. FSIP: NO BLOW RECOVERED: 1488 GIP 50'04 SGCM (30%0,10%G,60%M) HSP: 1786#—1752# FP: 20*-18*/19*-29* SIP: 1150*-1138* BHT: 109° F ARBUCKLE 3797 (-1957)
5" DRILLING TIME Rate of Penetra	Vision	/ / trc pr inter / / / dolo: as al / / / dolo: tan, i / / / dolo: tan, i / / / sandy in ; / / / p; most di	xHr. o, dolo: brown, vfn-	LTD 3874 (-2034) RTD 3880 (-2040) REMARKS



Dixon Operating Company LLC

8100 E 22nd Street North

Building 300 Suite 200

Wichita, Kansas 67226 ATTN: Chuck Shmaltz 3/23S/12W/Stafford

Byer 1-3

Job Ticket: 64795

DST#: 1

Test Start: 2017.06.28 @ 12:22:00

GENERAL INFORMATION:

Formation: Lansing/Kansas City

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

Time Tool Opened: 14:57:30 Tester: Ken Sw inney
Time Test Ended: 16:30:00 Unit No: 72 Great Bend/ 60

Interval: 3444.00 ft (KB) To 3560.00 ft (KB) (TVD) Reference ⊟evations: 1839.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD) 1831.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

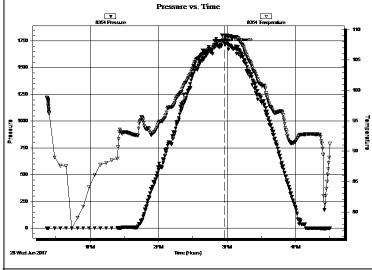
Serial #: 8354 Inside

 Press@RunDepth:
 psig
 @
 3445.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2017.06.28 End Date: 2017.06.28 Last Calib.: 2017.06.28

Start Time: 12:22:05 End Time: 16:30:00 Time On Btm: Time Off Btm:

TEST COMMENT: Packer failure/ Pull test



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1738.93	108.60	Open To Flow (1)

PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
Mud 100%	1.68

Gas Rates		
Choke (inches)	Proceure (peig)	Cas Pate (Mof/d)

Trilobite Testing, Inc Ref. No: 64795 Printed: 2017.06.29 @ 06:59:24



Dixon Operating Company LLC

8100 E 22nd Street North

Building 300 Suite 200

Wichita, Kansas 67226 ATTN: Chuck Shmaltz 3/23S/12W/Stafford

Byer 1-3

Tester:

Unit No:

Job Ticket: 64796

DST#: 2

1831.00 ft (CF)

Test Start: 2017.06.28 @ 16:47:00

Ken Sw inney

72 Great Bend/ 60

GENERAL INFORMATION:

Formation: Lansing/Kansas City

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 18:04:30 Time Test Ended: 23:37:30

Interval: 3430.00 ft (KB) To 3560.00 ft (KB) (TVD) Reference Elevations: 1839.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press@RunDepth: 3431.00 ft (KB) 35.90 psig @ Capacity: 8000.00 psig

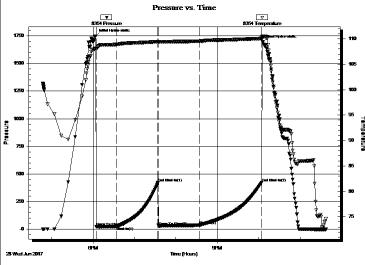
Start Date: 2017.06.28 End Date: 2017.06.28 Last Calib.: 2017.06.28 Start Time: 16:47:05 End Time: 23:37:29 Time On Btm: 2017.06.28 @ 18:03:30 Time Off Btm: 2017.06.28 @ 22:06:00

TEST COMMENT: LF 30 Minutes/ Blow built to 5 inches

> LST 60 Minutes/ No blow back

F.F. 30 Minutes/ Blow built to 5" in 2 min. 6" in 12 min. then slowly died to 3 1/2 inch

F.S.I. 30 Mintues/ No blow back



	PRESSURE SUMIMART				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1746.45	108.15	Initial Hydro-static	
	1	22.22	108.00	Open To Flow (1)	
	31	23.98	108.90	Shut-In(1)	
	91	419.97	109.44	End Shut-In(1)	
7	92	26.72	109.44	Open To Flow (2)	
Temperature	150	35.90	109.53	Shut-In(2)	
=	241	420.45	110.06	End Shut-In(2)	
	243	1691.03	110.48	Final Hydro-static	

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil cut	0.84
0.00	120 feet of gas in pipe	0.00
-		

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

Trilobite Testing, Inc. Ref. No: 64796 Printed: 2017.06.29 @ 06:57:44



Dixon Operating Company LLC

8100 E 22nd Street North

Building 300 Suite 200

Wichita, Kansas 67226

3/23S/12W/Stafford

Byer 1-3

Unit No:

Job Ticket: 64796

DST#: 2

ATTN: Chuck Shmaltz

Test Start: 2017.06.28 @ 16:47:00

GENERAL INFORMATION:

Formation: Lansing/Kansas City

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

Time Tool Opened: 18:04:30 Time Test Ended: 23:37:30

Interval: 3430.00 ft (KB) To 3560.00 ft (KB) (TVD)

Total Depth: 3560.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Tester: Ken Sw inney

72 Great Bend/ 60

Reference Elevations:

1839.00 ft (KB)

1831.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 420.73 psig @ 3432.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.28
 End Date:
 2017.06.28
 Last Calib.:
 2017.06.28 @ 17.06.28

 Start Time:
 16:47:05
 End Time:
 23:37:29
 Time On Btm:
 2017.06.28 @ 18:03:30

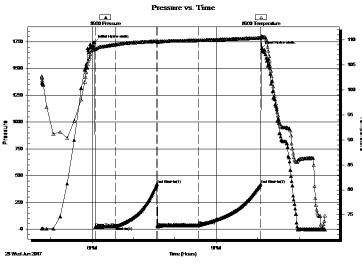
 Time Off Btm:
 2017.06.28 @ 22:06:00

TEST COMMENT: I.F. 30 Minutes/ Blow built to 5 inches

I.S.I. 60 Minutes/ No blow back

F.F. 30 Minutes/ Blow built to 5" in 2 min. 6" in 12 min. then slowly died to 3 1/2 inch

F.S.I. 30 Mintues/ No blow back



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1745.80	108.37	Initial Hydro-static
	1	20.97	108.11	Open To Flow (1)
	31	23.71	109.07	Shut-In(1)
	91	420.09	109.74	End Shut-In(1)
7	92	26.07	109.57	Open To Flow (2)
Temperature	151	36.05	109.90	Shut-In(2)
-	241	420.73	110.39	End Shut-In(2)
	243	1689.42	110.67	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil cut	0.84
0.00	120 feet of gas in pipe	0.00

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

Trilobite Testing, Inc Ref. No: 64796 Printed: 2017.06.29 @ 06:57:44



FLUID SUMMARY

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North

Job Ticket: 64796

Byer 1-3

DST#: 2

Wichita, Kansas 67226 ATTN: Chuck Shmaltz

Building 300 Suite 200

Test Start: 2017.06.28 @ 16:47:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:10.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss: 8.38 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4300.00 ppm Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Oil cut	0.842
0.00	120 feet of gas in pipe	0.000

Total Length: 60.00 ft Total Volume: 0.842 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 64796 Printed: 2017.06.29 @ 06:57:45



Dixon Operating Company LLC

3/23S/12W/Stafford

Byer 1-3

Job Ticket: 64797

DST#: 3

Wichita, Kansas 67226 ATTN: Chuck Shmaltz

8100 E 22nd Street North

Building 300 Suite 200

Test Start: 2017.06.29 @ 08:15:00

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:03:30 Tester: Ken Sw inney
Time Test Ended: 15:56:30 Unit No: 72 Great Bend/ 60

Interval: 3538.00 ft (KB) To 3625.00 ft (KB) (TVD)

Total Depth: 3625.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 1839.00 ft (KB)

Test Type: Conventional Bottom Hole (Initial)

1831.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press@RunDepth: 77.94 psig @ 3539.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.29
 End Date:
 2017.06.29
 Last Calib.:
 2017.06.29

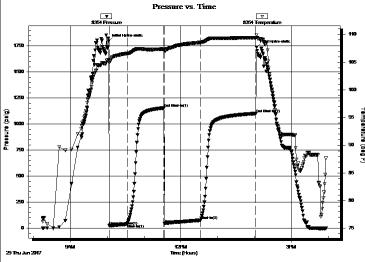
 Start Time:
 08:15:05
 End Time:
 15:56:29
 Time On Btm:
 2017.06.29 @ 10:02:30

 Time Off Btm:
 2017.06.29 @ 14:03:30

TEST COMMENT: I.F. 30 Minutes/ Blow built to bottom of bucket in 9 minutes

I.S.I. 60 Minutes/ Surface blow back died in 8 minutes
F.F. 60 Minutes/ Blow built to bottom of bucket in 30 seconds

F.S.I. 90 Minutes/ Blow back built to 2 1/2 inches then died at 27 minutes



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1793.83	105.43	Initial Hydro-static
	1	25.90	104.89	Open To Flow (1)
	30	40.04	106.57	Shut-In(1)
	90	1153.95	107.37	End Shut-In(1)
	91	45.93	106.94	Open To Flow (2)
	150	77.94	108.56	Shut-In(2)
â	240	1101.57	109.43	End Shut-In(2)
J	241	1736.05	109.86	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud & Oil cut Gas	0.87
0.00	Mud 5% Oil 5% Gas 90%	0.00
93.00	Oil cut Muddy Gas	1.30
0.00	Oil 5% Mud 20% Gas 75%	0.00
0.00	1953 feet GIP	0.00

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

Trilobite Testing, Inc Ref. No: 64797 Printed: 2017.06.29 @ 16:30:32



Dixon Operating Company LLC

8100 E 22nd Street North

Building 300 Suite 200

Wichita, Kansas 67226 ATTN: Chuck Shmaltz 3/23S/12W/Stafford

Byer 1-3

Job Ticket: 64797

DST#: 3

Test Start: 2017.06.29 @ 08:15:00

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:03:30 Time Test Ended: 15:56:30

Interval: 3538.00 ft (KB) To 3625.00 ft (KB) (TVD)

Total Depth: 3625.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney
Unit No: 72 Great Bend/ 60

Reference Elevations: 1839.00 ft (KB)

1831.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 1100.15 psig @ 3540.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.29
 End Date:
 2017.06.29
 Last Calib.:
 2017.06.29

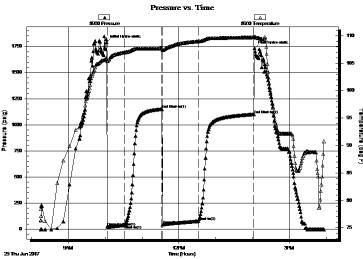
 Start Time:
 08:15:05
 End Time:
 15:56:29
 Time On Btm:
 2017.06.29 @ 10:02:30

 Time Off Btm:
 2017.06.29 @ 14:03:30

TEST COMMENT: I.F. 30 Minutes/ Blow built to bottom of bucket in 9 minutes

I.S.I. 60 Minutes/ Surface blow back died in 8 minutes
F.F. 60 Minutes/ Blow built to bottom of bucket in 30 seconds

F.S.I. 90 Minutes/ Blow back built to 2 1/2 inches then died at 27 minutes



	PRESSURE SUMMARY				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1790.35	105.87	Initial Hydro-static	
	1	23.14	105.37	Open To Flow (1)	
	30	38.48	106.95	Shut-In(1)	
	90	1150.09	107.67	End Shut-In(1)	
3	91	43.72	107.36	Open To Flow (2)	
	150	77.48	108.97	Shut-In(2)	
,	240	1100.15	109.70	End Shut-In(2)	
9	241	1732.38	109.91	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud & Oil cut Gas	0.87
0.00	Mud 5% Oil 5% Gas 90%	0.00
93.00	Oil cut Muddy Gas	1.30
0.00	Oil 5% Mud 20% Gas 75%	0.00
0.00	1953 feet GIP	0.00

	Gas Rates		
Γ	Choke (inches)	Proceure (peig)	Gas Pate (Mof/d)

Trilobite Testing, Inc Ref. No: 64797 Printed: 2017.06.29 @ 16:30:33



FLUID SUMMARY

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North Building 300 Suite 200 Wichita, Kansas 67226

Job Ticket: 64797

Byer 1-3

DST#: 3

ATTN: Chuck Shmaltz

Test Start: 2017.06.29 @ 08:15:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:10.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 62.00 sec/qt Cushion Volume: bbl

9.39 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 6400.00 ppm Filter Cake: 2.00 inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
62.00	Mud & Oil cut Gas	0.870
0.00	Mud 5% Oil 5% Gas 90%	0.000
93.00	Oil cut Muddy Gas	1.305
0.00	Oil 5% Mud 20% Gas 75%	0.000
0.00	1953 feet GIP	0.000

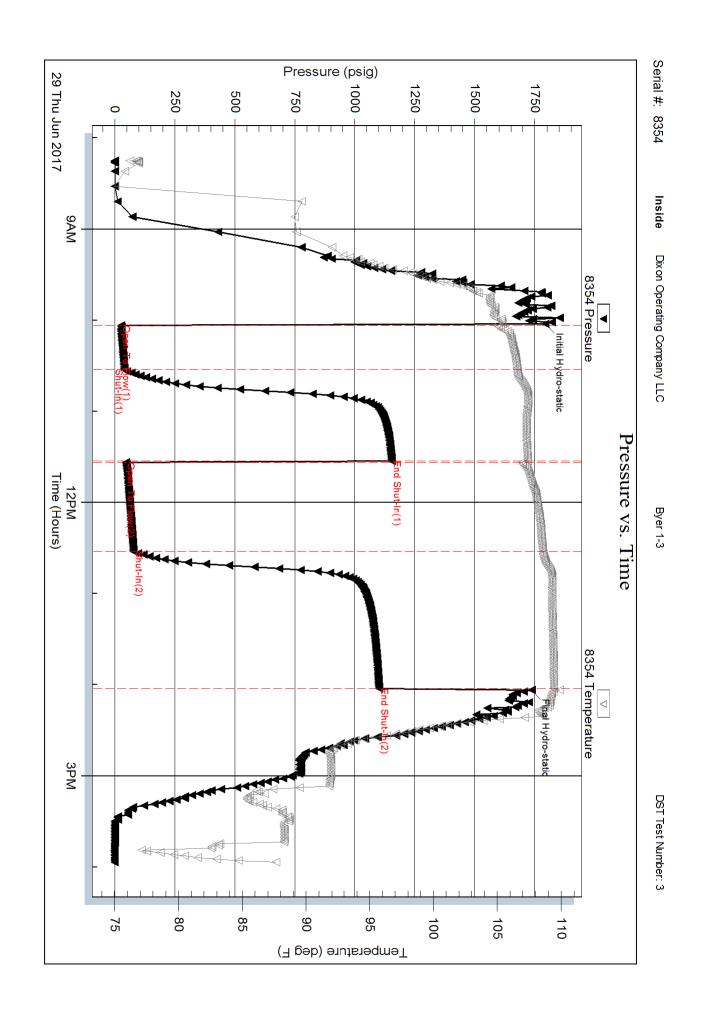
Total Length: 155.00 ft Total Volume: 2.175 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 64797 Printed: 2017.06.29 @ 16:30:35

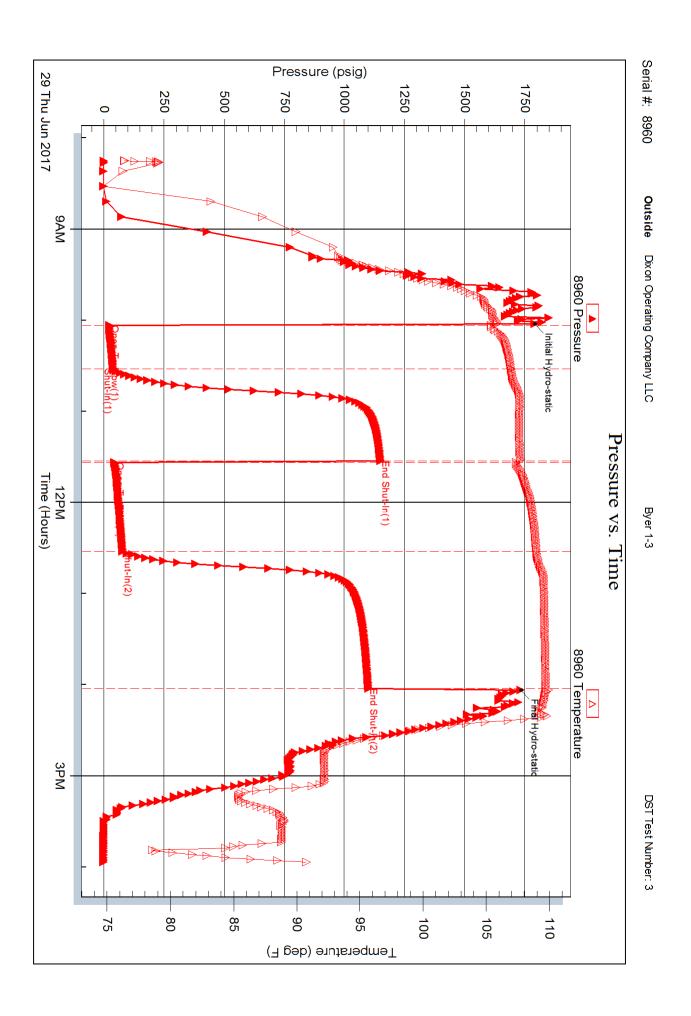


Trilobite Testing, Inc

Ref. No:

64797

Printed: 2017.06.29 @ 16:30:35



Trilobite Testing, Inc

Ref. No:

64797

Printed: 2017.06.29 @ 16:30:35



Dixon Operating Company LLC

8100 E 22nd Street North

Building 300 Suite 200

Wichita, Kansas 67226 ATTN: Chuck Shmaltz

3/23S/12W/Stafford

Byer 1-3

Job Ticket: 64798

DST#: 4

Test Start: 2017.06.29 @ 22:24:00

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:58:30 Time Test Ended: 05:47:00

Interval: 3626.00 ft (KB) To 3655.00 ft (KB) (TVD)

Total Depth: 3655.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney

Unit No: 72 Great Bend/ 60

Reference Elevations: 1839.00 ft (KB)

> 1831.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8354 Press@RunDepth: Inside

29.14 psig @

3651.00 ft (KB)

2017.06.30

Capacity: Last Calib.: 8000.00 psig

Start Date: 2017.06.29 End Date: Start Time: 22:24:05 End Time: 05:46:59

Time On Btm:

2017.06.30 2017.06.29 @ 23:57:30

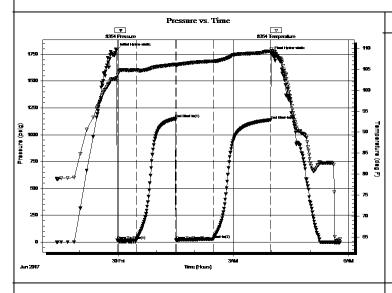
2017.06.30 @ 03:59:30 Time Off Btm:

TEST COMMENT: I.F. 30 Minutes/ Blow bult to BOB in 9 minutes

> 60 Minutes/ No blow back LST

F.F. 60 Minutes/ Blow built to BOB in 30 seconds

90 Minutes/ No blow back F.S.I.



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1786.13	102.98	Initial Hydro-static
1	20.25	102.22	Open To Flow (1)
31	18.44	104.86	Shut-In(1)
92	1150.58	106.16	End Shut-In(1)
93	19.57	105.93	Open To Flow (2)
151	29.14	106.88	Shut-In(2)
241	1138.39	109.24	End Shut-In(2)
242	1752.31	109.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gas cut oily mud/ gas 10 oil 30 mud 60	0.70
0.00	1488 feet of GIP	0.00
l		

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 64798 Printed: 2017.06.30 @ 08:15:12



Dixon Operating Company LLC

8100 E 22nd Street North

Building 300 Suite 200

Wichita, Kansas 67226 ATTN: Chuck Shmaltz 3/23S/12W/Stafford

Byer 1-3

Job Ticket: 64798

DST#: 4

Test Start: 2017.06.29 @ 22:24:00

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:58:30 Time Test Ended: 05:47:00

Interval: 3626.00 ft (KB) To 3655.00 ft (KB) (TVD)

Total Depth: 3655.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney
Unit No: 72 Great Bend/ 60

Reference Elevations: 1839.00 ft (KB)

1831.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 1137.04 psig @ 3652.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.29
 End Date:
 2017.06.30
 Last Calib.:
 2017.06.30

 Start Time:
 22:24:05
 End Time:
 05:46:59
 Time On Btm:
 2017.06.29 @ 23:57:30

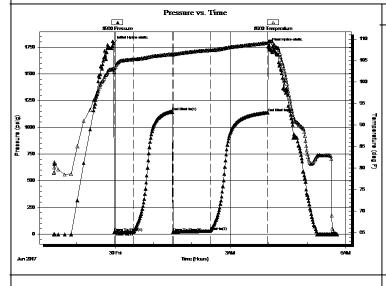
 Time Off Btm:
 2017.06.30 @ 04:00:00

TEST COMMENT: I.F. 30 Minutes/ Blow bult to BOB in 9 minutes

I.S.I. 60 Minutes/ No blow back

F.F. 60 Minutes/ Blow built to BOB in 30 seconds

F.S.I. 90 Minutes/ No blow back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1784.41	103.19	Initial Hydro-static
1	18.65	102.43	Open To Flow (1)
31	17.90	105.26	Shut-In(1)
92	1149.55	106.49	End Shut-In(1)
93	18.61	106.34	Open To Flow (2)
151	29.03	107.39	Shut-In(2)
241	1137.04	109.04	End Shut-In(2)
243	1768.03	109.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gas cut oily mud/ gas 10 oil 30 mud 60	0.70
0.00	1488 feet of GIP	0.00

Gas Rates

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

Trilobite Testing, Inc Ref. No: 64798 Printed: 2017.06.30 @ 08:15:12



FLUID SUMMARY

Dixon Operating Company LLC

8100 E 22nd Street North

3/23S/12W/Stafford

Byer 1-3

Job Ticket: 64798

DST#: 4

Wichita, Kansas 67226 ATTN: Chuck Shmaltz

Building 300 Suite 200

Test Start: 2017.06.29 @ 22:24:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: 10.00 lb/gal ft Water Salinity: ppm

Viscosity: 62.00 sec/qt Cushion Volume: bbl

Water Loss: 9.39 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: 6200.00 ppm Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Gas cut oily mud/ gas 10 oil 30 mud 60	0.701
0.00	1488 feet of GIP	0.000

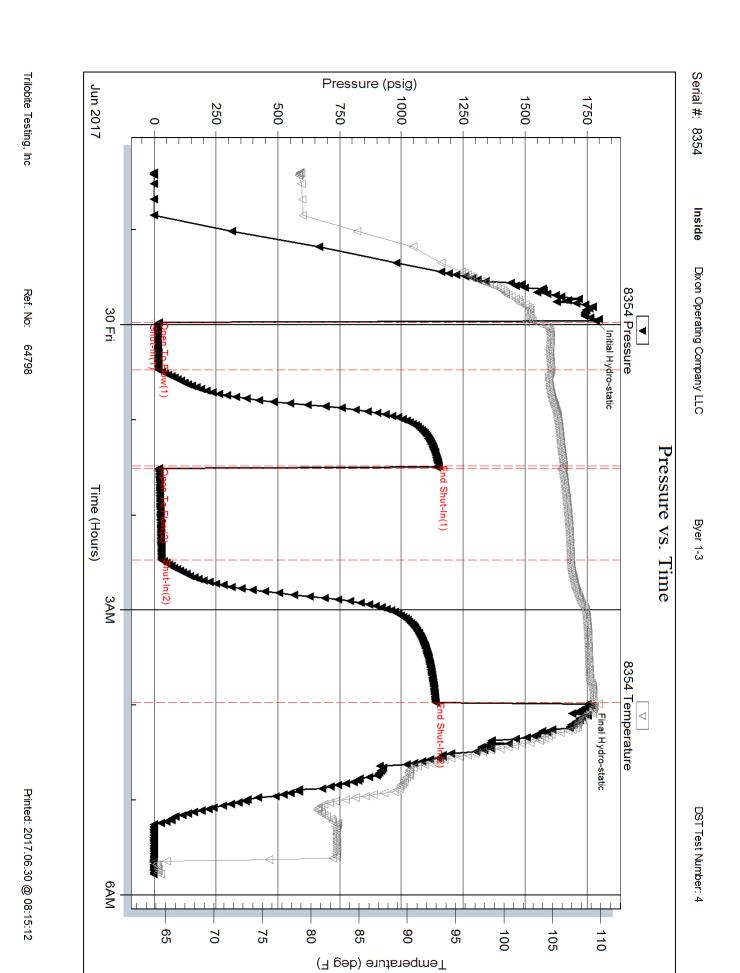
Total Length: 50.00 ft Total Volume: 0.701 bbl

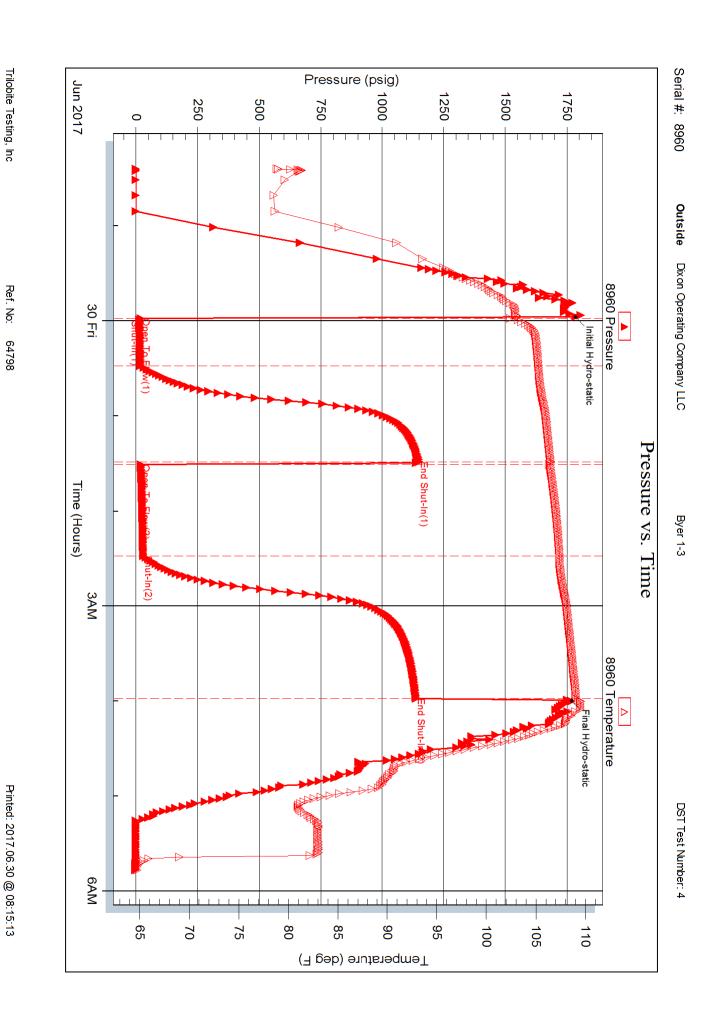
Num Fluid Samples: 0 Num Gas Bombs: Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2017.06.30 @ 08:15:12 Trilobite Testing, Inc Ref. No: 64798







TREATMENT REPORT

Customer	ixon	OPPIAT	Lease No	0		Date	Date				
Lease	Byer		Well #	1-3	LAWIN	LANCE HEAD	7-1-	-17			
Field Order #	Station	Plan	MA	Casing	5 1/2 Dept	h 3880 Count	Y STAFF	UID	State /		
Type Job	2-42	51/2"	Lung Stri	ng	Formation		Legal D	Description	35-12W		
PIPI	E DATA	PER	FORATING DATA	FLUID	USED		TREATMENT		,		
Casing Size	Tubing Siz	ze Shots/l	Ft	Acid 150	J SKS AA	2 ,5% RATE	PRESS	ZISIPDE	OAN		
Depth388	Depth	From	То	Pre Pad		1.6	AIT 370 M		5# gilson		
Volume 0.2	Volume	From	То	Pad 5	5 5/1	Min 60/40	PUZ .	10 Min.	44		
Max Press	Max Press	From	То	Frac		Avg	OFE WHEN	15 Min.			
Well Connection	on Annulus V	ol. From	То			HHP Used		Annulus P	ressure		
Plug Depth	Packer De	From	То	Flush	# +-	Gas Volume	TREAS STATE	Total Load			
Customer Rep	- 1.	1.J. D.	Statio	on Manager W	esteim	A A Trea	ater Mike 1	matral			
Service Units	83353		27467	19889	19918						
Driver Names	MATTA	2	Manile	051	50/n						
Time pr	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate		Pas	Service Log	TON DATE AND	ens-ce jamin		
4:30	/		479		on h	ocation (51	Afrey Me	eting			
5:30	-/-				Run	5/2 17"	1519	Shoe	17.09		
1	-		-/	-/	BASKT	0127	u1605 3,4,	5,6,7,8	,9,10,13,16		
7:15)		(csng	on butto	1		T. ALL		
9.13	7 . 3		-)	hox			ci'c W	Rig #		
1.1)	200		3	5	Pump	1 7 7	hAN	Au C			
9:14	200		1 4)	Puni	15 15 15 15	mun				
9:14	200		3	5	Pumi		NAMO	100			
1.17	1200	-/-	- 6)	mix		(SCAL				
9:21	200		38	5		150 50					
	59	3		3		pump +		DIOP P	luy		
9:31	200	-	10	6		Displace		di			
9:48	400		68	3		PITSSULO	12 A				
	1,500		90	_				1 . 0			
9:58		1	(0			down, 1		he IP			
1.70	1				-	y RATH		BIGHE			
0	76.	1			1110	. Through	JOB COM	Plan	100		
	-						4				
.4						-	mike	AAK			
						No.	Mike +				
				SOURCE OF THE	pintation	ACCEIVED BY V	Y Y	111	/		
	Z .						The second secon				

Mud-Co / Service Mud Inc.

Operate	or	Dixor	Opera	ating			County	Stafford	<u> </u>	State	Kansas		Pump	6	_ x	14	_ x	60	_SPM	Casing Program	8 5/8	" @	367	ft.
Well		#1-3 E	Byer				Location								GPM			7.75	врм					
Contrac	tor	South	wind	#9			Sec	3	TWP	23S	RNG	12W	D.P.	4.5	in.			191	_ BPM _ FT/MIN R.A.					
Stockpo	oint	Pratt,	Ks.	Date	6/2	3/2017			Rick I	lughes	<u> </u>		Collar	6.25	- _ in.	450	-ft.	348	_ _FT/MIN R.A.		Total Dept			
DATE	DEPTH	WEIGHT		VISC	OSITY	GELS	рН	FILT	RATIO N ILT	RATION A	NALYSIS		SAND		RE'	TORT	L.C.M.	Pump	CUMULATIVE	<u> </u>				
	feet	lb/gal	Sec API @F	PV @F	Yp	10 sec / 10 min.	Strip _ Meter	ml APi	Cake 32nds	Pres. #/BBL	CI ppm	Ca ppm	%	Solids %	Oil %	Water %		Press. PSI	COST	F	REMARKS AND TREA	ATMENT		ĺ
6/23									<u> </u>			<u> </u>			<u> </u>	<u> </u>			0	RURT	Steel pits	with ce	ntrifuga	
6/24	367					1									—					WOC	transfer p		······································	
6/25	1895		30	1	3	0/0	7.0	N/C	-		84m	Hvy		4.3		95.7			1,621		Several p		lushes p	rior
6/26	2466		27	1	1	0/0	7.0	N/C	-		70m	Hvy		3.7		96.3			4,630		to displac			
6/27	3162		61	16	19	17/46	11.5	7.6	2		4,100	20		4.8		95.2	1/2		7,607		Displaced		70	
6/28	3560		53	16	15	11/58	10.5	8.4	2		4,300	30		8.6		91.4	Tr	_	8,553	Short Trip	DST #1 @			
6/29	3625		62	16	19	17/73	10.0	9.4	2	<u> </u>	6,200	40		8.1		91.9	1/2		8,842	TI w/DST #3	Misrun, pa			
6/30	3655		51	12	17	16/44	9.0	10.6	2		8,200	60		6.0		94.0	1/2		8,842	CCH after DST				d —
7/1	3880	9.6	62	17	16	18/72	10.0	9.2	2		8,000	80		8.7		91.3	1		9,924	Final:	DST #1			
																1				LTD - 3874'.	DST #3 @	3625		
																			1	4 DST's.	DST #4 @			
																		-		Run Casing.				
<u></u>	L																							
																					-			
L																						, ,		
L			_			<u> </u>																		
			ļ	L																Reserve Pit, Chi	content ppm		54,0	
ļ			ļ			<u> </u>														Estimated Volun	ne:		1200 bl	ols
						<u> </u>									<u> </u>									
<u> </u>			ļ			ļ	<u> </u>								<u> </u>									
ļ			├			.									<u> </u>		Ш							
		i				<u> </u>	<u> </u>													<u></u>				
						1	Materials		Sa	cks	Amo	unt		Mate	erials		Sa	icks	Amou	nt			Amour	nt I
	MUD-C	O / SEF	RVICE	NUD INC	С.	C/S HUL			1	75	12	251.75									•			
						CAUSTI		\		18	1	125.36										† · · · ·		
	100	S. Mai	n Suite	#310		CO-POL				2		342.24								· · · · · · · · · · · · · · · · · · ·		\vdash		
	٧	Vichita,	Ks. 672	02		DRILL P	'ΑΚ			5	-	1534.5										†		
3	316/264-	2814 F	ax: 316	/264-50	24	LIME				3		30.69								Total Mud	Cost	t	99	923.68
						PREMIU				290	4	4961.9								Trucking				010.16
						SODA A				16	- ;	384.64									Surcharge			
	DRII	LLING I	MUD RI	ECAP		SUPER	LIG			11		292.6							1	Taxes				
						L														TOTAL	COST		109	33.84



TREATMENT REPORT

Customer	Oper	24.05	Lease N	0.			Date				
Lease B	ver		Well #	/-3			6,	124/2017			
Field Order #	Station	Pist	+, ICS	Casing	35/s Depti	3670	ounty S#	State 165			
Type Job	2421	8518	Surface	State of the state	Formation	TD-3	67	Legal Description 3 - 23s - 12			
PIPE	E DATA	PER	FORATING DATA	FLUID	USED		TREA	TMENT RESUME			
Casing Size	Tubing Size	Shots/F	1	Acid		RA	ATE PRE	SS ISIP			
Depth 367	Depth	From	То	Pre Pad		Max	~ -	5 Min.			
Volume 73	Volume	From	То	Pad		Min	- VS	10 Min.			
Max Press	Max Press	From	То	Frac		Avg		15 Min.			
Well Connection	n Annulus Vol	. From	То			HHP Used		Annulus Pressure			
Plug Depth	Packer Dep	th From	То	Flush Ris	Water	Gas Volume		Total Load			
Customer Rep	resentative 1	les P	PESFE Station	on Manager -	Stin Wes	Jermen	Treater 2	Isrin Franklin			
Service Units	92911 8	54981	19843 198								
Driver Names		10614W	McGrew Cly	mer Clymr							
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	42		Servi	ce Log			
12:00pm	位				on h	ocstion	159P	ex Meeting			
4.					85/8	casins	Set 9	2 3671			
resident of					3505	10 60/4	0 POZ	,3% Calcium Chlori			
			AND THE		2966	sel, 0	25 p	os Cellofiske			
					M						
		, jing A			P. pe	on be	atom o	bieck Circustion			
1:45 Am	200		3	5	Pump	36615					
	200		75	5	miv 3	350510	Cemen	,			
					Shut	down					
					Reless	· Plug					
and the second	200.		0	3	Dispi	911					
2:30	200		22	3	Shut	in					
	J 10 15					N					
					Cem	ent di	2 CIV	culsia 15 hhis			
						h k. 1	*ar				
			4		145	1 1	Joh	Complete/Dean & Co			
							Ths	nic voulli			
and selection of the se											
Same All		parent.									
	5.4										
							400				
	10 W. Barrier				1 202						

CELLS WITH BLUE BACKGROUND ARE THE ONLY CELLS TO BE EDITED

Fracture Start Date/Time:	
Fracture End Date/Time:	8/8/17 15:01
State:	Kansas
County:	Stafford
API Number:	15-185-23986-0000
Operator Number:	Dixon Operating Company, LLC
Well Name:	Byer 1-3
Federal Well:	Yes
Longitude:	-98.6201948
	38.0775427
Long/Lat Projection:	NAD27
True Vertical Depth (TVD):	
Total Clean Fluid Volume* (gal):	501,595



Additive	Specific Gravity	Additive Quantity	Mass (lbs)	
Water	1.00	501,595	4,185,810	
Sand (Proppant)	2.65	192,700	192,700	
Plexcide P5	0.96	55	441	
Plexcide P5	0.96	55	441	
Plexslick 957	1.11	352	3,261	
Plexsurf 580 ME	0.95	126	999	
Plexsurf 580 ME	0.95	126	999	
Plexgel Breaker XPA	1.03	99	851	
Clayplex 650	1.15	251	251	

Total Slurry Mass (Lbs) 4,385,752

Ingredients Section:

Trule Name					1	37 1 Y 11 .	Ī	4,303,732	
Number Cast Number Cas									
Number (CAS #) Additive Component (LBS) Fluid (% by mass)** (% by	Trade Name	Supplier	Purnose	Ingredients					Comments
Age	Trude I mine	баррист	Turpose	ingredients)	Number (CAS #)		Component (LBS)		
Uniman									
Excide P5 Chemplex								95.44111%	
Non-MSDS Component Non-MSD									
Assist Chemplex Friction Reducer Petroleum Hydrotreated Light Distillate 64742-47-8 25.00% 815 0.01859%									
Chemplex Increase Viscosity Methyl Alcohol 67-56-1 10.00% 100 0.00238%	ide P5								
Non-MSDS Component Non-MSD	ick 957	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64742-47-8	25.00%	815	0.01859%	
xgel Breaker XPA Chemplex Delayed Break Down Hydrogen Peroxide 7722-84-1 7,00% 60 0,00136% xplex 650 Chemplex Prevents Clay Swelling Ethanaminium 2-hydrox y N, N, N-trimethyl chloride 67-48-1 35.00% 88 0.00200% 4 1 4	arf 580 ME	Chemplex	Increases Viscosity		67-56-1	10.00%	100	0.00228%	
Chemplex Prevents Clay Swelling Ethanaminium 2-hydroxy N, N, N-trimethyl chloride 67-48-1 35.00% 88 0.00200%	arf 580 ME	Chemplex	Increases Viscosity	2-Butoxyethanol	111-76-2	50.00%	499	0.01139%	
Non-MSDS Component Non-MSD	el Breaker XPA	Chemplex	Delayed Break Down	Hydrogen Peroxide	7722-84-1	7.00%		0.00136%	
Non-MSDS Component Non-MSD	lex 650	Chemplex	Prevents Clay Swelling	Ethanaminium 2-hydroxy N, N, N-trimethyl chloride	67-48-1	35.00%	88	0.00200%	
Non-MSDS Component Non-MSD									
Non-MSDS Component Non-MSD									
Non-MSDS Component Non-MSD									
Non-MSDS Component Non-MSD									
Non-MSDS Component Non-MSD				İ	1				
Non-MSDS Component Non-MSD				İ			İ		
Non-MSDS Component Non-MSD							İ		
Non-MSDS Component Non-MSD	- t						1		
Non-MSDS Component Non-MSD	- t						1		
Non-MSDS Component Non-MSD							<u> </u>		Non-MSDS Component
Non-MSDS Component Non-MSDS Component Non-MSDS Component Non-MSDS Component	-								
Non-MSDS Component Non-MSDS Component					+				
Non-MSDS Component									
					+		+		
									Non-MSD3 Сотронені
				1	.				
					ļ				
				1	.				
							ļ		
							ļ		
							ļ		
							İ		
							1		
							1		
	- t								
				1	 			 	

			I	
				_

*Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.