

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 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	Mikol Oil LLC
Well Name	BRUMITT 5-33
Doc ID	1588515

All Electric Logs Run

Neutron
Density
Micro
Dual Induction

Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	BRUMITT 5-33
Doc ID	1588515

Tops

Name	Top	Datum
Top Anhydrite	1251	+750
Base Anhydrite	1283	+718
Topeka	2964	-963
Heebner	3187	-1186
Toronto	3214	-1213
LKC	3232	-1231
BKC	3467	-1466
Simpson	3581	-1580
Arbuckle	3604	-1603



CHARGE TO: Mikel Oil
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET **35120**

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hays Ks</u>	<u>S-33</u>	<u>Beomi #</u>		<u>Ks</u>		<u>7-12-21</u>	
2. <u>Ness City Ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	<input type="checkbox"/> SALES	<u>Discovery Drilling</u>	<u>Rig # 2</u>	<u>CT</u>	<u>LOCATION</u>		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE		WELL PERMIT NO.	WELL LOCATION	
	<u>oil</u>	<u>development</u>	<u>Shallow surface</u>				
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC.	ACCT.	DF.						
<u>575</u>					<u>TR # 111</u>	<u>30</u>	<u>mi</u>	<u>5.00</u>	<u>150.00</u>	
<u>576 S</u>					<u>Pump Charge - Shallow Surf</u>	<u>1</u>	<u>EA</u>	<u>925.00</u>	<u>925.00</u>	
<u>290</u>					<u>D-Air</u>		<u>Gal</u>	<u>42.00</u>	<u>42.00</u>	
<u>325</u>					<u>STANDARD CEMENT</u>	<u>150</u>	<u>SK</u>	<u>13.50</u>	<u>2025.00</u>	
<u>279</u>					<u>BEAUTONITE GEL</u>	<u>3</u>	<u>SK</u>	<u>30.00</u>	<u>90.00</u>	
<u>278</u>					<u>Calcium Chloride</u>	<u>7</u>	<u>SK</u>	<u>40.00</u>	<u>280.00</u>	
<u>581</u>					<u>Service Charge (est</u>	<u>150</u>	<u>SK</u>	<u>85.00</u>	<u>277.50</u>	
<u>583</u>					<u>Drayage (60 miles)</u>	<u>444</u>	<u>FM</u>	<u>95.00</u>	<u>421.80</u>	

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

DATE SIGNED _____ TIME SIGNED _____

A.M.
 P.M.

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

SWIFT OPERATOR

David Escarot

APPROVAL

Thank You!

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<u>4211</u>
WE UNDERSTOOD AND MET YOUR NEEDS?				<u>30</u>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<u>40</u>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<u>85</u>
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		<u>95</u>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				<u>4211</u>
TOTAL				<u>4430.84</u>

JOB LOG

SWIFT Services, Inc.

DATE 7-12-21 PAGE NO.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Mikel Oil		5-33		Bromitt		Shallow Surf		35120	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1700								ON LOCATION
									8 5/8
									Rtd - 212
									Pipe - 211.75
									Circ on Bottom
		5	10			200			pump WTR SPACE
		5	36			200			pump CMT - 150 sx @ 14.7 ^{PPG}
		5	12.25			200/400			Disp - circ 25 sx to pit
	1800								Job Complete
									THANKS
									DAVID, ZACH & ISAAC



CHARGE TO: WIKED DIL
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
33831

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hayes R3</u>	<u>5-33</u>	<u>Brownth</u>	<u>Rooks</u>	<u>Mo</u>	<u>Plainville</u>	<u>17 July 01</u>	
2. <u>New City R5</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <u>Dil</u>	WELL CATEGORY <u>Devlopment</u>	JOB PURPOSE <u>Plug to Abandon</u>	<u>CT</u>	<u>location</u>		
4.	INVOICE INSTRUCTIONS	WELL PERMIT NO.		WELL LOCATION <u>33-10-17</u>			

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.		
575					MILEAGE	30	mi		5.00	150.00
576P					FRK 113	1	ea		925.00	925.00
328-4					FRK Change (PTA)	305	sk		11.00	3355.00
328	276				60149 for wire (49492)	50	lb		3.00	150.00
290					Fluoride	2	gal		42.00	84.00
581					D-Air	305	sk		1.85	564.25
583					serv & charge	3558	lb		2.95	717.57
					Drayage					

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X [Signature]
 DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	595582
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
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					
TOTAL					6201.05

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

CUSTOMER MIKOL OIL WELL NO. 5-33 LEASE Bronitt JOB TYPE Plug to Abandon TICKET NO. 33831


CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								305 sk 60/40 4% gel w/ 1/4# floccs 1/2 Drill Pipe DISCOVERY # 2
	0430							onloc RR 113 1st plug 3584' 50sk
	0600		13					13661 60/40 4% @ 13.1 ppq Displace to 3317'
	0615 0829		13					pull pipe to 1275' 2nd plug mix 60/40 4% @ 13.1 ppq 50sk Displace to 438'
	0845 0912		26					pull pipe to 75' 3rd plug mix 60/40 4% @ 13.1 ppq 100sk Displace to 251'
	0940		13					pull pipe to 300' 4th plug mix 60/40 4% @ 13.1 100sk
	0955							Displace to 73' pull pipe to 40' Break Kelly PULL RH/MH
	1055 1130		14					40' - RH - MH 10sk, 30sk 15sk plugdown → cement at surface ← wash truck
	1145							job complete Flare Blow, ASTM # 15410 { 305 sk mixed total }

Marc A. Downing		Geologic Report	
Consulting Petroleum Geologist		Drilling Time and Sample Log	
Operator Mikol Oil LLC		KB	Elevation 2001
Lease Brumitt		DF	1999
No. 5-33		GL	1993
API # 15-163-24428-0000		Casing Record	
Field		Surface 8 5/8" @ 212' Production	
Location 2005' FNL & 2264' FEL		None	
Sec. 33 Twp. 10s Rge. 17w		Electrical Surveys	
County Rooks State Kansas		CNDL, DIL MEL	
Formation	Sample tops	Log Tops	Datum Struct Comp
Top Anhydrite	1254	1251	+750 -11
Base Anhydrite	1281	1283	+718 -8
Topeka	2965	2964	-963 -9
Heebner	3188	3187	-1186 -7
Toronto	3214	3214	-1213 -15
LKC	3233	3232	-1231 -12
BKC	3469	3467	-1466 -11
Simpson Dolomite	3584	3581	-1580 -8
Arbuckle	3607	3604	-1603 -5
Total Depth	3660	3658	-1657
Reference Well For Structural Comparison Mikol Oil LLC			
Brumitt #4-33 675' FNL & 1981' FEL Sec. 33-10s-17w			

Drilling Contractor	Discovery Drilling, Rig #2	
Commenced	7-12-21	Completed 7-16-21
Samples Saved From	2950	To RTD
Drilling Time Kept From	2850	To RTD
Samples Examined From	2950	To RTD
Geological Supervision From	2950	To RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to plug and abandon the well.

Respectfully Submitted,

 Marc A. Downing

ROCK TYPES
 shale, gm shale, red shale, gry Carbon Sh
 shale, gry Dolprim Lmst fw7>

ACCESSORIES
 Chrt vari Chrt White

MINERAL
 Chert Black Chert White Sandstone Shale

OTHER SYMBOLS

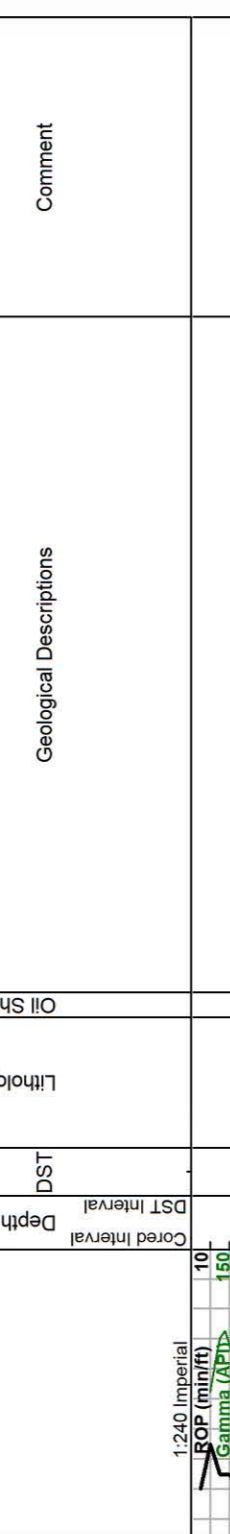
DST
 DST Int DST alt Core tail pipe

MISC
 Daily Report Digital Photo Document Folder Link Vertical Log File Horizontal Log File Core Log File Drill Cuttings Rpt

OIL SHOWS
 Even Stn Spotted Stn 50 - 75 % Spotted Stn 25 - 50 % Questionable Stn Dead Oil Stn Fluorescence

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1
 ROP (min/ft) Gamma (API)



Geological Descriptions

Oil Shows

Geological Descriptions

LS: tan and gry, scat wht. Fr-md xin w/ scat foss. Pr por and dns.

LS: tan-gry, scat crm. Few subxin rx, mostly pr por and dns. All NS.

Sh: gry

LS: wht, fn xin, subxin in prt. Scat pp por, totally barren, no od.

Sh: Black Carb

Sh: gry

LS: wht-tan, fn-md xin. Few rx trng mtls in prt, mostly subxin-chiky, some trng dns.

Sh: gry

LS: tan-wht, fn-md xin, scat foss. Mostly dns w/ pr por, mtld in prt w/ scat frag foss. Totally barren.

LS: wht, trng fn-md xin and chiky, mtld. Totally barren, no od.

Sh: Black Carb

gry w/ brn

LS: wht, vfn xin. Few chiky rx, rest dns w/ pr por. All NS.

LS: wht, some subxin-chiky w/ scat pr intxin por. Trng dns w/ depth, all NS.

Sh: gry

LS: wht-tan, fn xin, dns.

Sh: Black Carb

Sh: gry

LS: wht, vfn-mic xin, v dns w/ no vis por. Few subxin rx, NS.

LS: Some ala, trng gry-brn, many foss, frag in prt, w/ ool.

LS: wht, md xin, ool w/ few lrg foss. Fr-gd vug por w/ pr stn and pr SFO when broken, hvy. No od.

LS: trng brn and tan, md xin, scat foss. Dns w/ no vis por, mtld in prt. Scat brn and tan cht.

LS: much ala, v dns w/ no vis por, NS.

Heebner 3188 (-1187)
 Sh: Black Carb

Sh: lt grn w/ gry, silty in prt.

Toronto 3214 (-1213)
 LS: wht, vfn xin. Subxin-chiky in prt, mostly no vis por, totally barren. Few lrg foss.

Sh: gry

LKC 3233 (-1232)
 LS: wht, fn-md xin, 1-2 rx w/ pr stn and spitted SFO in pr vug por. Rest barren, no od.

LS: wht, fn-md xin. Scat pr intxin por w/ pr-fr lt brn stn, rare spitted SFO. Lt-fnt od.

Sh: gry

LS: tan, md xin, trng mtld. 1-2 pcs w/ SFO in pr por, lt od.

Sh: gry

LS: wht, fn xin, mostly pr por, scat subxin rx. 2-3 rx w/ pr-fr lt brn stn, and spitted SFO in pr intxin por. Fnt- no od.

Sh: gry

LS: wht, fn-md xin, lrg foss. Fr amt subxin w/ scat fr intxin and pp por. Fr lt brn sat stn w/ fr spitted SFO. Lt od.

Sh: Black Carb

LS: wht, md xin, foss. 1-2 rx w/ fr-gd stn and spitted SFO in gd vug por, no od.

LS: wht, fn-vfn xin, subxin-chiky. Totally barren, no od.

LS: much ala, 1-2 rx w/ pr stn and rare SFO in intxin por. Rest barren, no od.

LS: wht, fn xin. All v dns w/ no vis por. Few chiky rx w/ depth, all NS.

Sh: Black Carb

Sh: gry

LS: wht, md xin, foss w/ few ool. Fr int xin and vug por w/ fr-gd lt brn stn, fr SFO, fnt od. Fr amt tan-brn shp cht.

Sh: drk gry

LS: tan-wht, fn-md xin. Mostly subxin w/ rare lt stn, 3-4 rx silty suc w/ fr-gd brn sat stn and fr SFO. Fnt od. Sit free oil on cup.

Sh: gry

LS: wht, fn-md xin, foss w/ few pcs silty suc and chty. Fr amt subxin and barren, 3-4 rx w/ fr-gd lt brn sat stn w/ fr spitted SFO, fr-gd od.

Sh: Black Carb

Sh: gry-lt gry

LS: wht, md xin, frag foss. Fr int foss por w/ scat yugs, frv tight. Fr-gd brn stn w/ fr SFO, fr-gd od. Rx trng v dns w/ depth.

Sh: Black Carb

LS: wht, fn xin, subxin-chiky. 1-2 rx w/ pr brn stn, rare spitted SFO, fnt od. Trng foss and some tot ool, or por and dns.

BKC 3469 (-1468)
 Sh: gry w/ brn

LS: tan-wht, fr amt ool. Pr por, NS.

Sh: brn-red

Sh: gry w/ brn

LS: wht, fn xin, subxin, w/ fr amt brn sh. NS.

LS: wht, fn xin. Subxin-chiky, scat silty rx w/ fr intxin por. Totally barren, no od.

LS: wht, some ala, w/ inc amt shp org cht. Few pcs w/ pr spitted stn in pr por, NSFO, no od.

Trng abnt shp cht, mostly org, some tan, yel, and gry. Scat chiky ls w/ some arg brn-red sh. All NS.

Cht trng more gry and tan, scat wht suc ls. All NS, no od.

Much ala, scat brn-red sh.

ala w/ more red sh, washes red. Scat SS clust, wht. Fr-well rnd, well sort, fr-gd IG por, friable, NS.

Sh: brn-red, silty
Simpson Dolomite 3584 (-1583)
 Dolo: tan-brn, fn-md suc xin. Pr por and tight, NS.

Sh: tourq, waxy

Arbuckle 3607 (-1606)
 Dolo: wht, fn suc xin. Scat gd ool por, trng mostly dns w/ pr por. Totally barren, no od.

Dolo: wht, fn-md suc xin, few sml rhombs. Scat intxin por, totally barren, no od.

Dolo: wht, md suc xin w/ few sml rhombs ala. Scat fr-gd ool por w/ few chiky rx. Totally barren.

Dolo: wht, few rx ala, inc amt shp wht cht. All NS.

Dolo: much ala w/ fr amt frosted wht cht. Totally barren, no od.

RTD: 3660 (-1659)

Comment

Vis: 49 Wt: 9.3
 DST #1
 3448-3550

I.F. - Surf
 I.F. - Dead
 I.F. - 23-27
 I.F. - 29-33
 FFP: 560-308
 SFP: 560-308
 HP: 1652-1579
 Rec: 5' mud
 BIT: 100



DRILL STEM TEST REPORT

Prepared For: **Mikol Oil LLC**

2094 260th Ave.
Hays, KS 67601

ATTN: Marc Downing

Brumitt #5-33

33-10s-17w Rooks,KS

Start Date: 2021.07.15 @ 22:47:00

End Date: 2021.07.16 @ 06:09:00

Job Ticket #: 67777 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.19 @ 10:38:38

Mikol Oil LLC
33-10s-17w Rooks,KS
Brumitt #5-33
DST # 1
LKC H-J
2021.07.15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mikol Oil LLC
 2094 260th Ave.
 Hays, KS 67601
 ATTN: Marc Downing

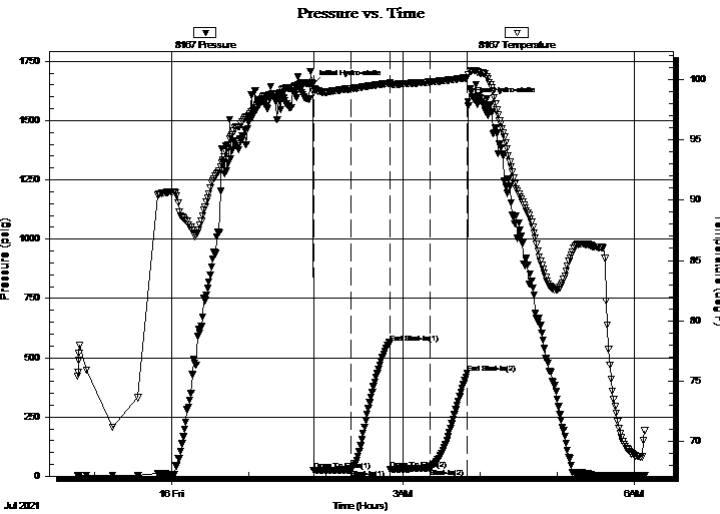
33-10s-17w Rooks,KS
Brumitt #5-33
 Job Ticket: 67777 **DST#: 1**
 Test Start: 2021.07.15 @ 22:47:00

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:50:30
 Time Test Ended: 06:09:00
 Interval: **3348.00 ft (KB) To 3450.00 ft (KB) (TVD)**
 Total Depth: 3450.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2000.00 ft (KB)
 1993.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8167 Outside
 Press@RunDepth: 33.95 psig @ 3349.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.07.15 End Date: 2021.07.16 Last Calib.: 2021.07.16
 Start Time: 22:47:05 End Time: 06:08:59 Time On Btm: 2021.07.16 @ 01:50:15
 Time Off Btm: 2021.07.16 @ 03:50:45

TEST COMMENT: IF weak surface blow
 ISI no return
 FF no blow
 FSI no return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.44	99.60	Initial Hydro-static
1	23.37	98.93	Open To Flow (1)
30	27.49	99.23	Shut-In(1)
60	560.47	99.67	End Shut-In(1)
60	29.44	99.52	Open To Flow (2)
91	33.95	99.76	Shut-In(2)
120	433.82	100.13	End Shut-In(2)
121	1579.84	100.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mikol Oil LLC
2094 260th Ave.
Hays, KS 67601
ATTN: Marc Downing

33-10s-17w Rooks, KS
Brumitt #5-33
Job Ticket: 67777 **DST#: 1**
Test Start: 2021.07.15 @ 22:47:00

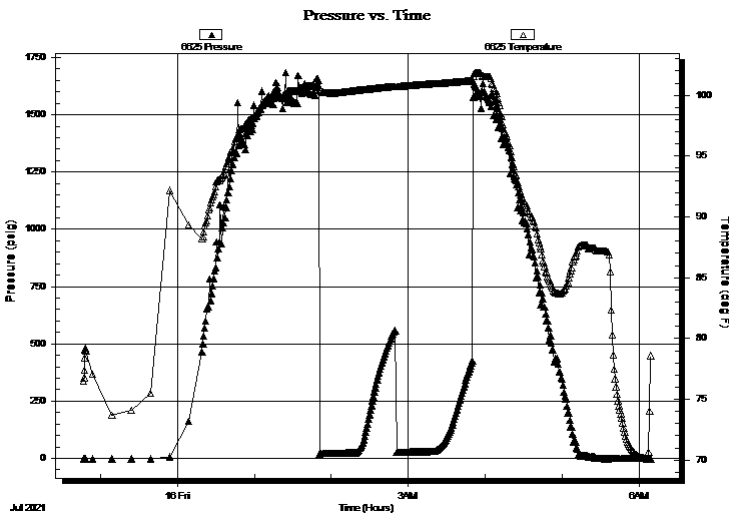
GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:50:30 Tester: Dustin Day
 Time Test Ended: 06:09:00 Unit No: 70
 Interval: **3348.00 ft (KB) To 3450.00 ft (KB) (TVD)** Reference Elevations: 2000.00 ft (KB)
 Total Depth: 3450.00 ft (KB) (TVD) 1993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6625 Inside
 Press@RunDepth: psig @ 3349.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.07.15 End Date: 2021.07.16 Last Calib.: 1899.12.30
 Start Time: 22:47:05 End Time: 06:08:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF weak surface blow
 ISI no return
 FF no blow
 FSI no return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mikol Oil LLC
2094 260th Ave.
Hays, KS 67601
ATTN: Marc Downing

33-10s-17w Rooks,KS
Brumitt #5-33
Job Ticket: 67777 **DST#: 1**
Test Start: 2021.07.15 @ 22:47:00

Tool Information

Drill Pipe:	Length: 3315.00 ft	Diameter: 3.80 inches	Volume: 46.50 bbl	Tool Weight: 2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3348.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	134.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3317.00	
Shut In Tool	5.00			3322.00	
Hydraulic tool	5.00			3327.00	
Jars	5.00			3332.00	
EM Tool	3.00			3335.00	
Safety Joint	3.00			3338.00	
Packer	5.00			3343.00	32.00 Bottom Of Top Packer
Packer	5.00			3348.00	
Stubb	1.00			3349.00	
Recorder	0.00	6625	Inside	3349.00	
Recorder	0.00	8167	Outside	3349.00	
Perforations	30.00			3379.00	
Change Over Sub	1.00			3380.00	
Drill Pipe	63.00			3443.00	
Change Over Sub	1.00			3444.00	
Perforations	3.00			3447.00	
Bullnose	3.00			3450.00	102.00 Bottom Packers & Anchor
Total Tool Length:	134.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikol Oil LLC
2094 260th Ave.
Hays, KS 67601
ATTN: Marc Downing

33-10s-17w Rooks,KS
Brumitt #5-33
Job Ticket: 67777 **DST#: 1**
Test Start: 2021.07.15 @ 22:47:00

Mud and Cushion Information

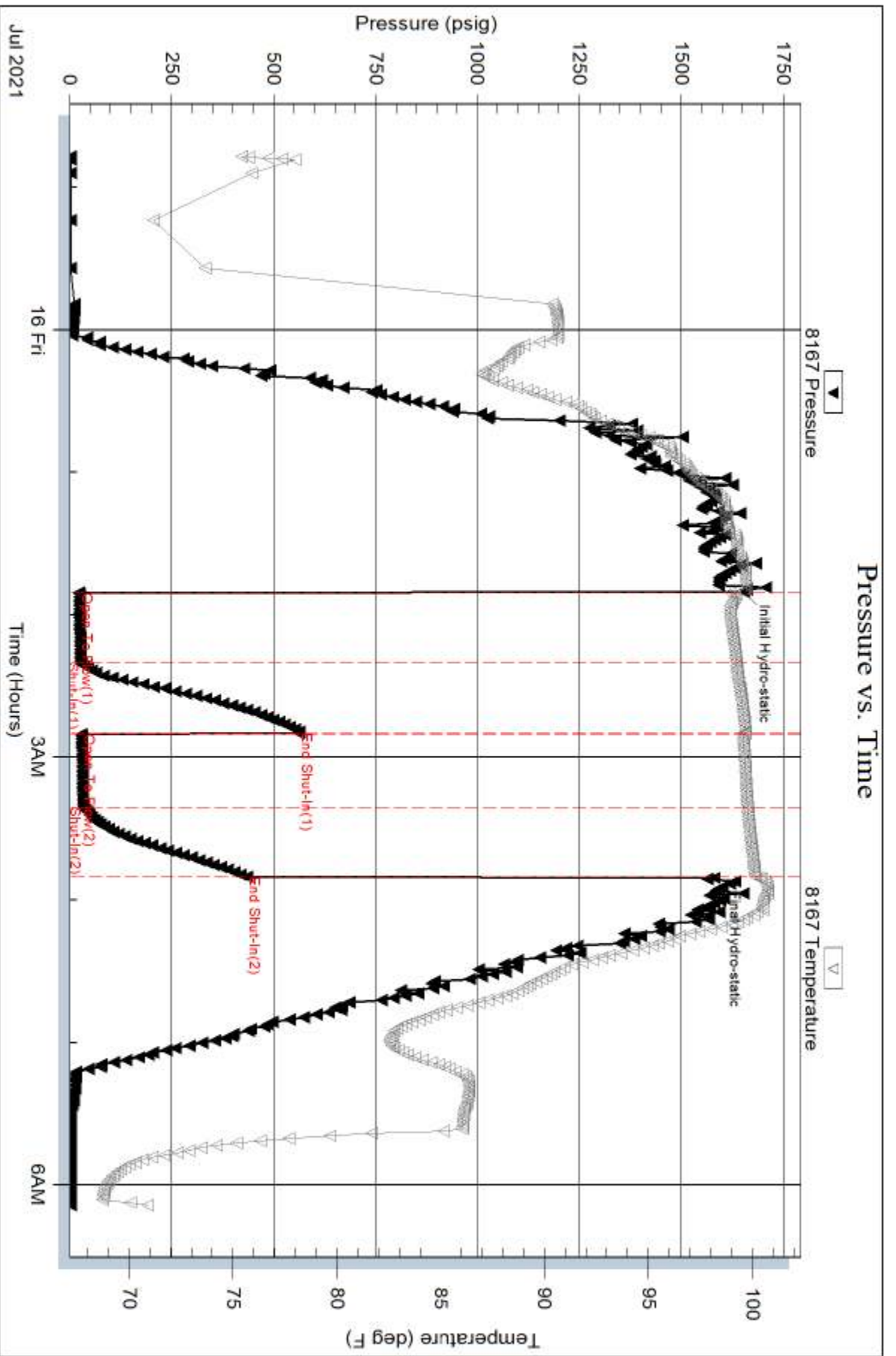
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



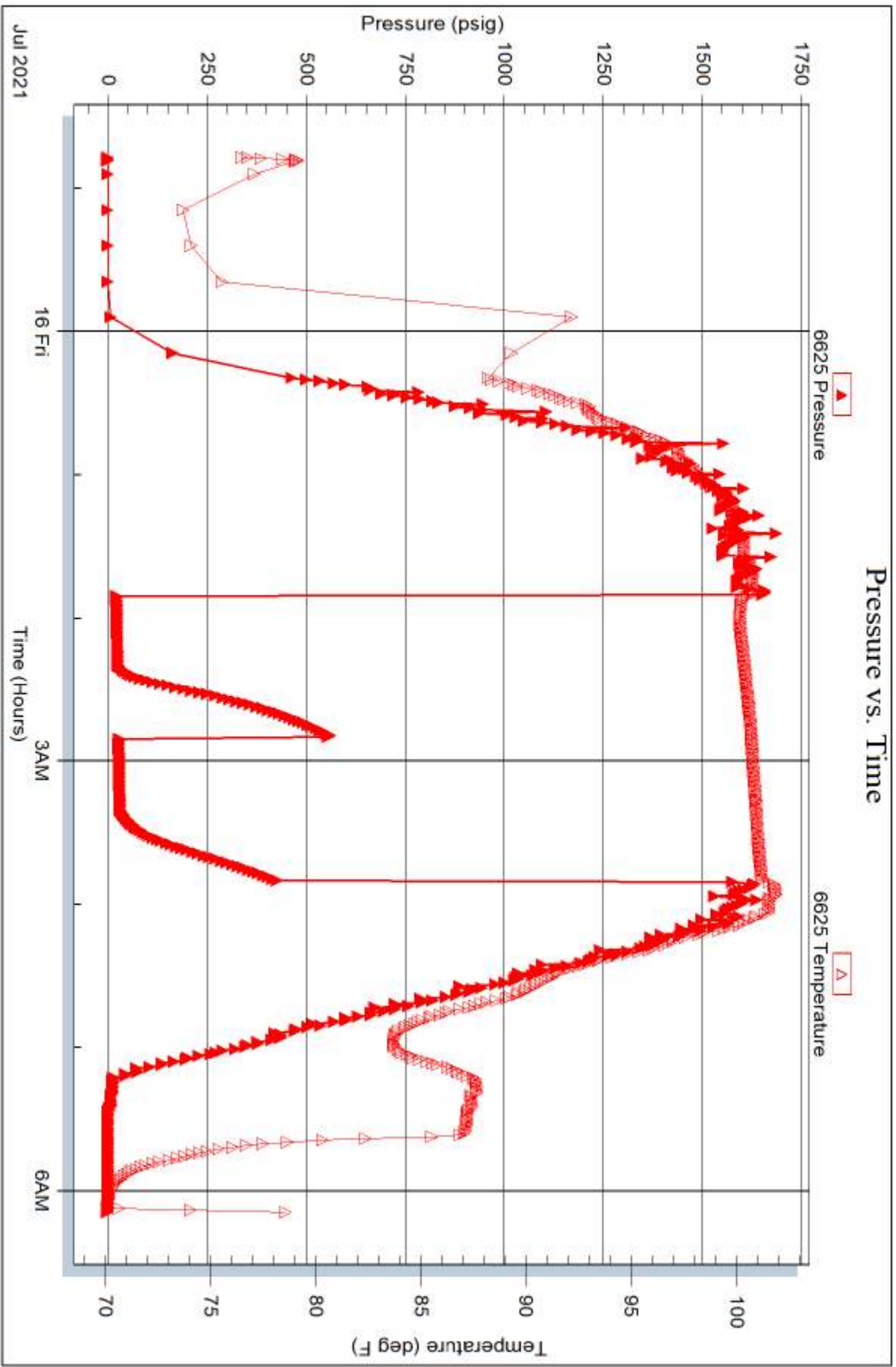
Serial #: 6625

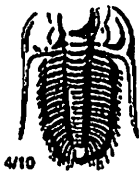
Inside

Mikol Oil LLC

Burnt# 5-33

DST Test Number: 1





TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67777

Well Name & No. Broumiff #5-33 Test No. 1 Date 7/15/21
 Company Mikel Oil LLC Elevation 2000 KB 1993 GL
 Address 2094 260th Ave Hays, KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery Rig #2
 Location: Sec. 33 Twp 10 Rge. 17 Co. Rooks State KS

Interval Tested 3348-3450 Zone Tested LKC H-1K
 Anchor Length 102 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 3343 Drill Collars Run 29 Vls 49
 Bottom Packer Depth 3348 Wt. Pipe Run — WL 88
 Total Depth 3450 Chlorides 2000 ppm System LCM Tr

Blow Description IF - weak surface blow
SI1 - no blow back
FF - no blow
SI2 - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1652
 (B) First Initial Flow 23
 (C) First Final Flow 27
 (D) Initial Shut-In 5100
 (E) Second Initial Flow 29
 (F) Second Final Flow 33
 (G) Final Shut-In 308
 (H) Final Hydrostatic 1579

Test 1200
 Jars 250
 Safety Joint 75
 Circ Sub N/A
 Hourly Standby _____
 Mileage 60rt 75
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1600

T-On Location 1900
 T-Started 22:47
 T-Open 01:50
 T-Pulled 03:50
 T-Out 07:30
 Comments NO service, couldn't
get IP or EM tool to
connect
 EM Tool 350NS
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1600
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By _____ Our Representative D. J. A. D. S.

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