



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1156630
OIL & GAS CONSERVATION DIVISION

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 # _____

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1156630

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____		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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	Brummitt 1-28
Doc ID	1156630

All Electric Logs Run

Cement Bond Log
Dual Induction Log
Micro Resistivity Log
Compensated Density Neutron Log

Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	Brummitt 1-28
Doc ID	1156630

Tops

Name	Top	Datum
Stone Corral Anhydrite	1303	+765
Base of Anhydrite	1340	+728
Topeka	3018	-950
Heebner Shale	3242	-1174
Lansing Group	3284	-1216
Stark Shale	3488	-1420
Base KS City Gp.	3521	-1453
Conglomerate	3570	-1502
Arbuckle	3665	-1597

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 7985

Date <u>7-16-13</u>	Sec.	Twp.	Range	County <u>Roofs</u>	State <u>KS</u>	On Location	Finish <u>2:00p.m.</u>
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Location Cadala River Road 1/2 3/4 W 1/2

Lease <u>Brummitt</u>	Well No. <u>1-28</u>	Owner
Contractor <u>Discovery #1</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>Surface</u>		Charge To <u>Mikel oil</u>
Hole Size <u>12 1/4</u>	T.D. <u>221</u>	Street
Csg. <u>8 5/8</u>	Depth <u>221</u>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <u>1.5'</u>	Shoe Joint	Cement Amount Ordered <u>160 com 3/10/11 206</u>
Meas Line	Displace <u>13BC</u>	

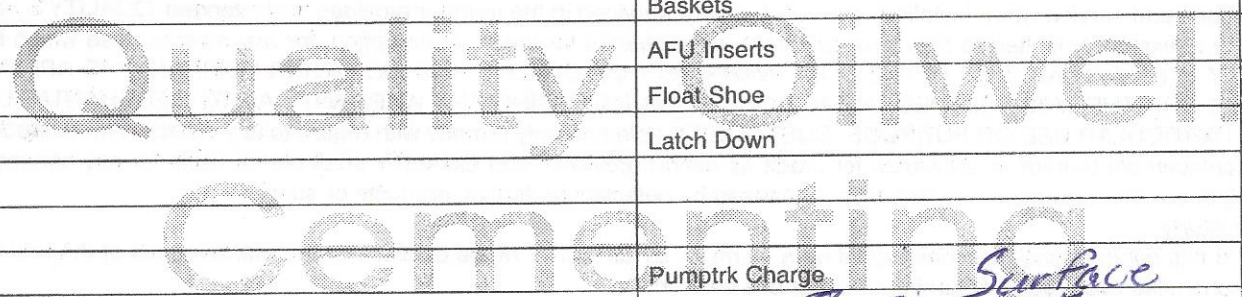
EQUIPMENT			
Pumptrk <u>17</u>	No. Cementer <u>Carly</u>		Common <u>160</u>
	Helper <u>Andy</u>		Poz. Mix
Bulktrk	No. Driver <u>Andy</u>		Gel. <u>3</u>
Bulktrk <u>8</u>	No. Driver <u>Dave</u>		Calcium <u>5</u>

JOB SERVICES & REMARKS		
Remarks: <u>Brummitt 1-28</u>		Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
<u>Mix loss & Displace.</u>		Sand
<u>Cement Circulated</u>		Handling <u>168</u>
		Mileage

FLOAT EQUIPMENT	
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge <u>Surface</u>	
Mileage <u>Surface 25</u>	
	Tax
	Discount
	Total Charge

X Signature Cliff Mayfield



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 7426

Date	7-22-13	Sec.	28	Twp.	10	Range	17	County	Rooks	State	KS	On Location		Finish	4:30 AM
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Location *Codell & River Rd. 1 W, 3 1/2 N, W n 2*

Lease	<i>Brummitt</i>	Well No.	<i>1-28</i>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<i>Discovery</i>			Charge To	<i>Mikol Oil</i>
Type Job	<i>long string</i>	T.D.	<i>3750</i>	Street	
Hole Size	<i>7 7/8</i>	Depth	<i>3743.95</i>	City	State
Csg.	<i>5 1/2 * 15.5</i>	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered <i>180 com 10% salt 5% Gilconite</i>	
Tool		Shoe Joint	<i>23</i>	Meas Line Displace <i>88 1/2 bbl</i>	
Cement Left in Csg.	<i>23</i>			<i>165</i>	

EQUIPMENT				Common	<i>165</i>
Pumptrk	<i>16</i>	No.	Cementer	Poz. Mix	
			Helper <i>Lonnie W.</i>	Gel.	
Bulktrk	<i>1</i>	No.	Driver	Calcium	
			Driver <i>David Heath</i>		
Bulktrk	<i>PU</i>	No.	Driver		
			Driver <i>Travis</i>		

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt <i>15</i>
Rat Hole	<i>30 sx</i>	Flowseal
Mouse Hole		Kol-Seal <i>825</i>
Centralizers	<i>1, 3, 5, 7, 9, 11, 13, 58</i>	Mud CLR 48 <i>500 gal</i>
Baskets	<i>2, 59</i>	CFL-117 or CD110 CAF 38
D/V or Port Collar	<i>Top of 59 at 1313</i>	Sand
<i>pipe on bottom broke circulation pumped 500 gal Mud CLR 48 with 10 bbl fw behind it.</i>		Handling <i>188</i>
<i>plugged Rat hole with 30 sx and mouse hole with 150. Hooked to 5 1/2 mixed 135 sx com 10% salt 5% Gilsonite shut down washed pumped and lines Released plug and displaced with 88 1/2 bbl Fw plug landed and held</i>		Mileage
<i>lift pressure 900 psi</i>		FLOAT EQUIPMENT
<i>plug landed at 1200 psi</i>		Guide Shoe
		Centralizer <i>8</i>
		Baskets <i>2</i>
		AFU Inserts
		Float Shoe <i>1 with ball</i>
		Latch Down <i>1 with plug</i>
		<i>1 Port Collar</i>
		Pumptrk Charge <i>prod Long String</i>
		Mileage <i>25</i>

X Signature	<i>Seoye Younger</i>	Tax	
		Discount	
		Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 7355

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-8-13				ROOKS	KS		11:15 A.M.

Location Catalpa River Road 1/2 4 N Winto

Lease Brummitt Well No. 1-28 Owner

Contractor A.P.S. To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish
Type Job Port Collar cementer and helper to assist owner or contractor to do work as listed.

Hole Size 7 7/8 T.D. Charge To Mikal Oil

Csg. 5 1/2 Depth Street

Tbg. Size 2 7/8 Depth City State

Tool Port Collar Depth 130.5 The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. Shoe Joint Cement Amount Ordered 225 2/40 4/10 4/10 4/10 4/10

Meas Line Displace CoBC Used 185

EQUIPMENT Common 111

Pumptrk 17 No. Cementer Coys Poz. Mix 74

Bulktrk No. Helper Coys Driver Coys Gel. 7

Bulktrk 8 No. Driver Clayton Driver Clayton Calcium

JOB SERVICES & REMARKS Hulls

Remarks: Salt

Rat Hole Flowseal 50#

Mouse Hole Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Tool @ 130.5 Test to spot open Handling 225

tool @ 185.5K & Cement + Circulator Mileage

Close tool & Test to spot

Run 5 joints & Reverse out.

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge part Collar

Mileage 25

Tax

Discount

Total Charge

X Signature Kerry W. Risher

DRILLING TIME AND SAMPLE LOG

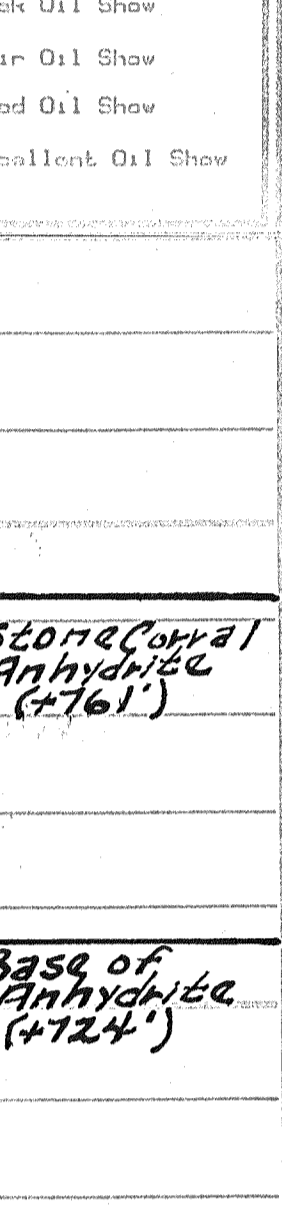
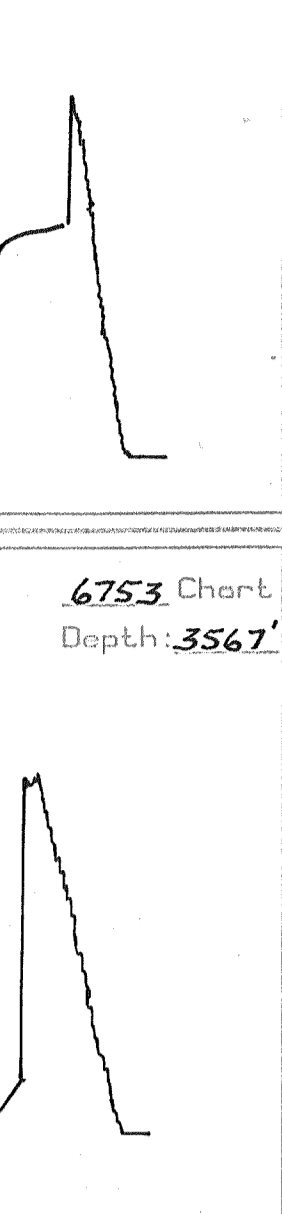
OPERATOR: **McLoid Oil LLC**
LEASER: **Brammille** WELL NO.: **428**
FIELD: **Linwood** CL: **2060'**
LOCATION: **445° 55' N 159° 0' E (Fall Line SE 5.5 mi SE)**
SEC.: **28** TWP: **10S** RANGE: **17W**
COUNTY: **ROCK** STATE: **KS**
APR NO.: **15-1633-24127-00-00**
CONTRACTOR: **Discovery-Drilling, K&G**
DATE: **July 16, 2013** COL-LETTED

FORMATION

FORMATION	THICKNESS	LOG	REMARKS
Stone Corral Anhydrite	1307 (1761)	1303-6763	43'
Base of Anhydrite	1344 (1724)	1340 (1724)	42'
Topoka Fm.	9021 (9531)	5016 (9551)	73'
Helena Fm.	3248 (1177)	3242 (1174)	73'
Lansing Group	3288 (1220)	3284 (1216)	73'
Stark Fm.	3482 (1414)	3481 (1413)	73'
Base of Stark Fm.	3521 (1456)	3521 (1455)	0'
Arbuckle Fm.	3571 (1503)	3570 (1502)	3'
Arbuckle Fm. - Base	3666 (1598)	3665 (1597)	6'
Total Depth	3750	3746	

FORMATION

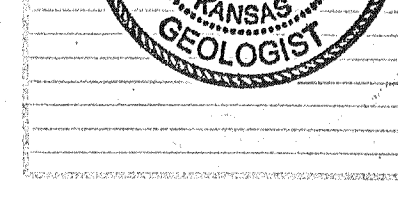
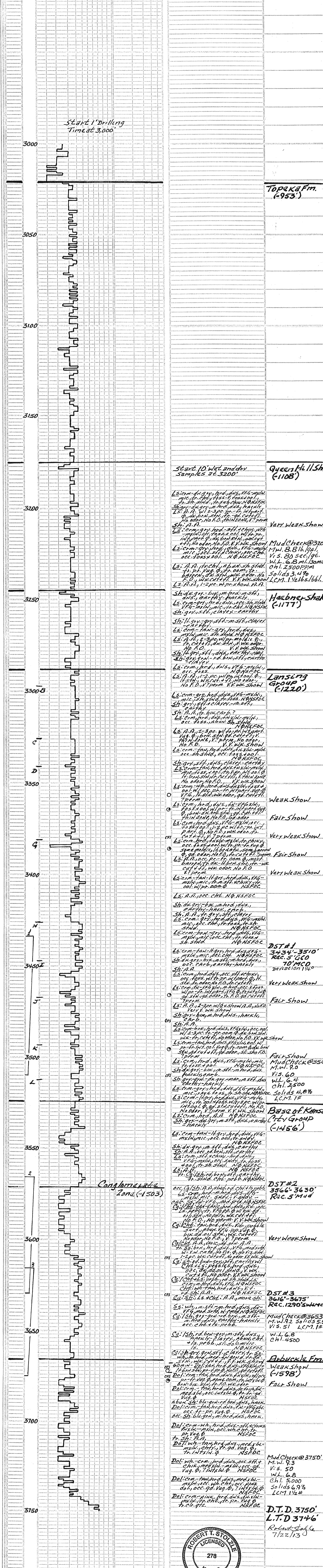
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Total Depth	3750	3746	



ABBREVIATIONS USED

ROCK TYPES:	FAERIC:	MODIFIERS:
ls - Limestone	fn - fine	gd - Good
sh - Shale	vgf - Very fine grained	pr - Poor
sl - Siltstone	sd - Sand	ex - excellent
co - Conglomerate	sp - Sandstone	v - wall
ch - Chert	cp - Carbonaceous	cc - occasional
dc - Dolomite	cr - Crinoidal	vis - visible
gr - Gypsiferous	ca - Crinoidal	no - none
gt - Gypsiferous	ca - Crinoidal	grn - granular
mat - Mottled	ca - Crinoidal	int - intergranular
	ca - Crinoidal	pl - platy
	ca - Crinoidal	ds - disordered
	ca - Crinoidal	gy - gassy

TEXTURE:	OIL SHOWS
fine - fine	○ Weak Oil Show
cr - crinoidal	○ Fair Oil Show
blk - blocky	○ Good Oil Show
vis - vitreous	○ Excellent Oil Show
vac - vacillate	
vis - vitreous	
vac - vacillate	
vis - vitreous	





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mikol Oil LLC
1407 Washington Cir
Hays KS 67601
ATTN: Bob Stolzle

28-10-17, Rooks, KS
Brummitt #1-28
Job Ticket: 54291 **DST#: 1**
Test Start: 2013.07.20 @ 05:05:00

GENERAL INFORMATION:

Formation: **KC "I-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:52:30
Time Test Ended: 13:29:00
Interval: **3434.00 ft (KB) To 3510.00 ft (KB) (TVD)**
Total Depth: 3510.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 2067.00 ft (KB)
2060.00 ft (CF)
KB to GR/CF: 7.00 ft

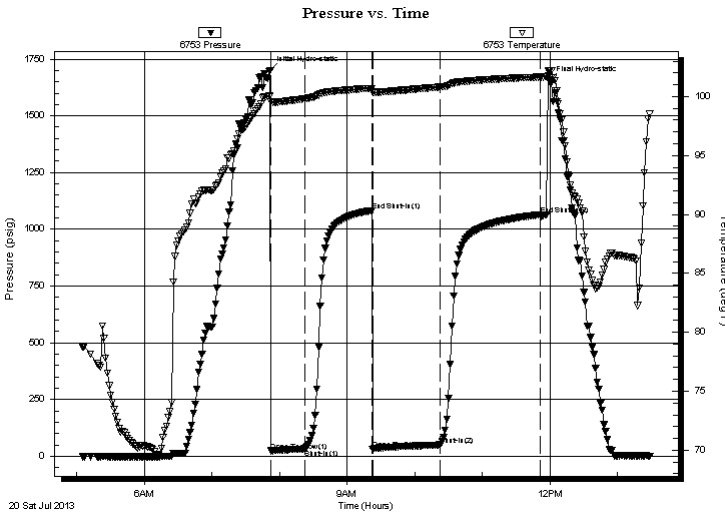
Serial #: 6753

Inside

Press @ Run Depth: 50.11 psig @ 3435.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.20 End Date: 2013.07.20 Last Calib.: 2013.07.20
Start Time: 05:05:05 End Time: 13:28:59 Time On Btm: 2013.07.20 @ 07:51:30
Time Off Btm: 2013.07.20 @ 11:59:30

TEST COMMENT: IF-3in blow
ISI-No blow
FF-BOB in 50min
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.10	100.03	Initial Hydro-static
1	24.31	99.57	Open To Flow (1)
31	32.64	99.81	Shut-In(1)
90	1082.28	100.70	End Shut-In(1)
91	31.67	100.39	Open To Flow (2)
151	50.11	100.80	Shut-In(2)
240	1064.60	101.65	End Shut-In(2)
248	1653.62	102.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	MCO 45%M 55%O	0.98
5.00	SGO 5%G 95%O	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mkol Oil LLc
1407 Washington Cir
Hays KS 67601
ATTN: Bob Stolzle

28-10-17, Rooks, KS
Brummitt #1-28
Job Ticket: 54291 **DST#: 1**
Test Start: 2013.07.20 @ 05:05:00

Mud and Cushion Information

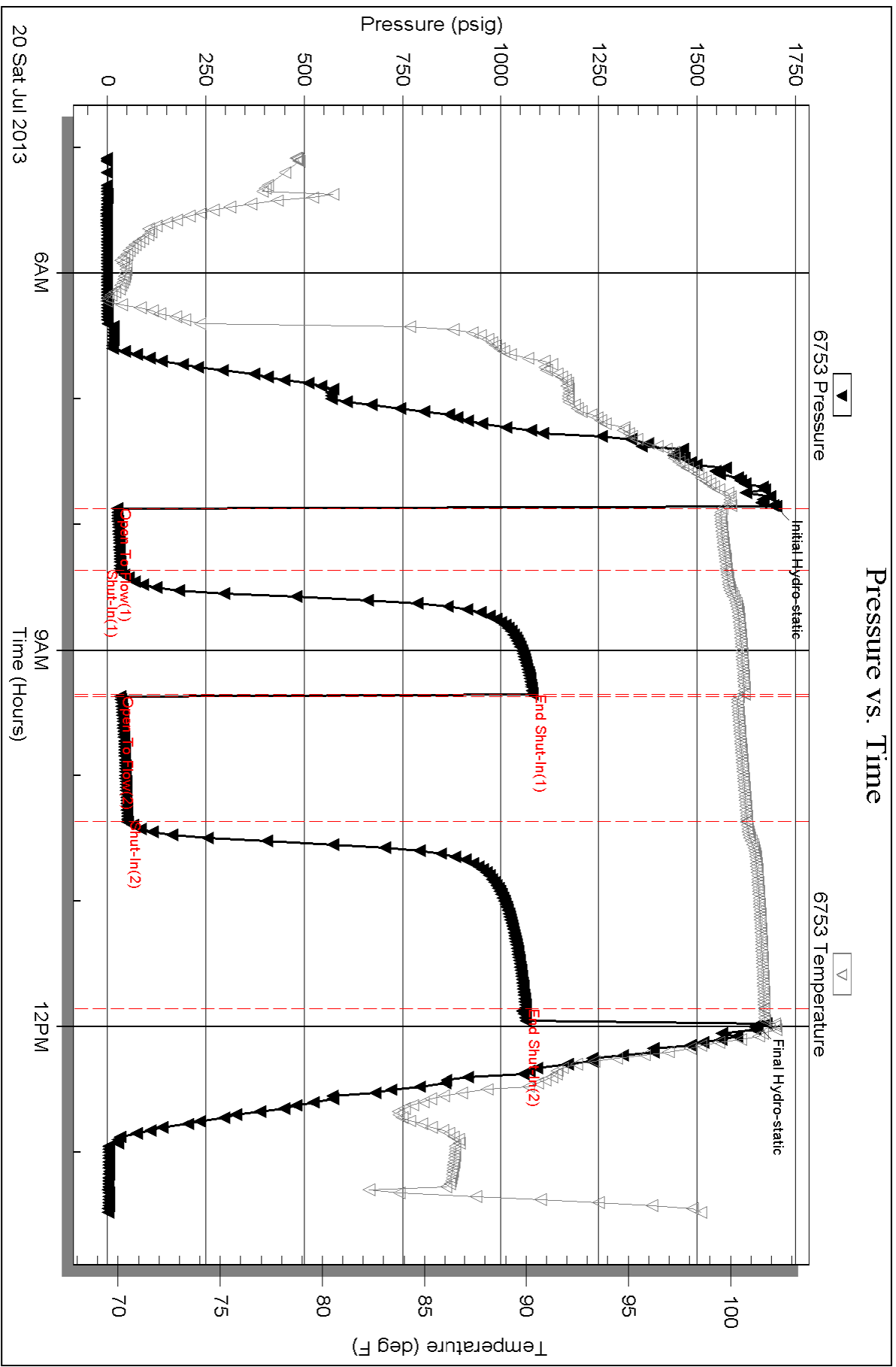
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 80.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	MCO 45%M 55%O	0.982
5.00	SGO 5%G 95%O	0.070

Total Length: 75.00 ft Total Volume: 1.052 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mkol Oil LLC
1407 Washington Cir
Hays KS 67601
ATTN: Bob stolzle

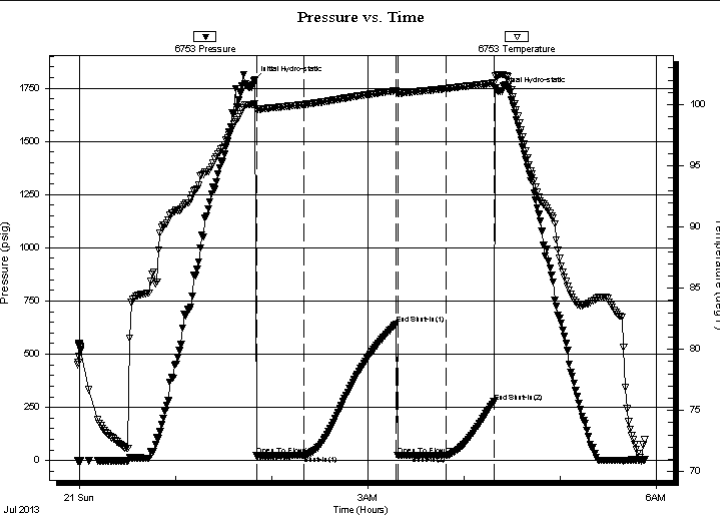
28-10-17, Rooks, KS
Brummitt #1-28
Job Ticket: 54292 **DST#: 2**
Test Start: 2013.07.20 @ 23:59:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:50:30
Time Test Ended: 05:52:30
Interval: **3566.00 ft (KB) To 3630.00 ft (KB) (TVD)**
Total Depth: 3630.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 2067.00 ft (KB)
2060.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6753 Inside
Press @ Run Depth: 24.33 psig @ 3567.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.20 End Date: 2013.07.21 Last Calib.: 2013.07.21
Start Time: 23:59:05 End Time: 05:52:29 Time On Btm: 2013.07.21 @ 01:49:00
Time Off Btm: 2013.07.21 @ 04:21:00

TEST COMMENT: IF-1/4' in blow
IS- No blow
FF- No blow
FS- No blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1785.22	100.04	Initial Hydro-static
2	23.55	99.63	Open To Flow (1)
31	23.76	100.01	Shut-In(1)
89	641.43	101.14	End Shut-In(1)
90	24.33	100.94	Open To Flow (2)
120	24.33	101.32	Shut-In(2)
150	276.41	101.77	End Shut-In(2)
152	1734.11	102.42	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	mud	0.07

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mkol Oil LLC
1407 Washington Cir
Hays KS 67601
ATTN: Bob stolzle

28-10-17, Rooks, KS
Brummitt #1-28
Job Ticket: 54292 **DST#: 2**
Test Start: 2013.07.20 @ 23:59:00

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: 80.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6753

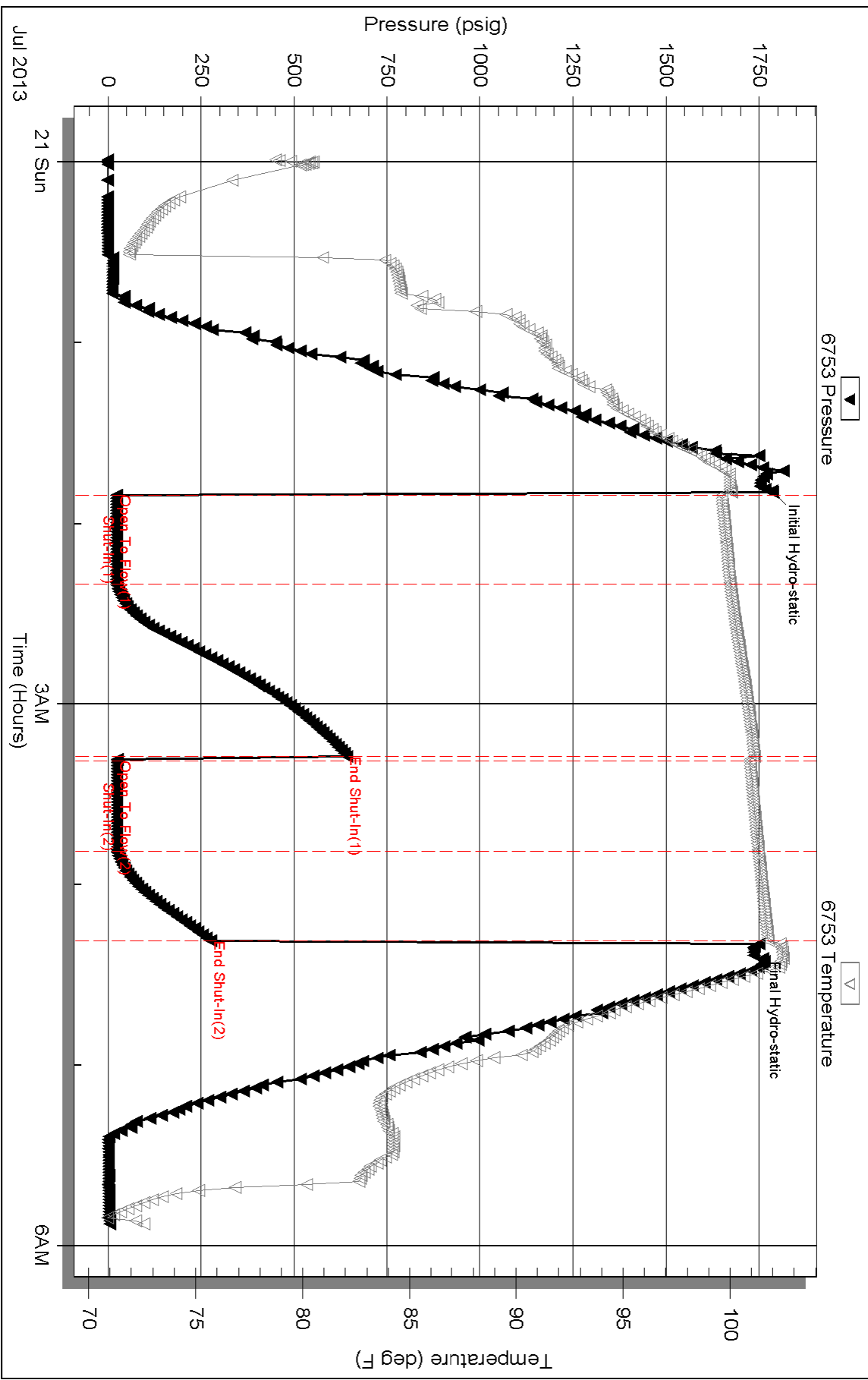
Inside

Mkol Oil Llc

Burnmtt #1-28

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mkol Oil LLC
 1407 Washington Cir
 Hays KS 67601
 ATTN: Bob stolzle

28-10-17, Rooks, KS
Brummitt #1-28
 Job Ticket: 54293 **DST#: 3**
 Test Start: 2013.07.21 @ 14:15:00

GENERAL INFORMATION:

Formation: **Arb**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:35:00
 Time Test Ended: 20:59:00
 Interval: **3616.00 ft (KB) To 3675.00 ft (KB) (TVD)**
 Total Depth: 3675.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2067.00 ft (KB)
 2060.00 ft (CF)
 KB to GR/CF: 7.00 ft

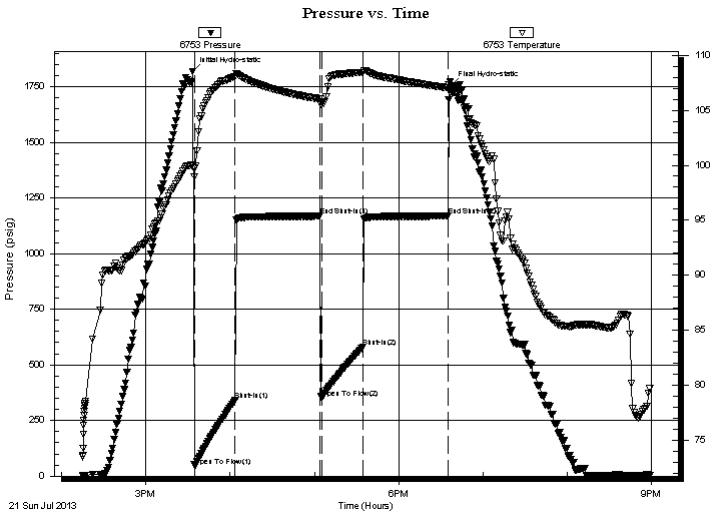
Serial #: 6753

Inside

Press @ Run Depth: 579.48 psig @ 3617.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.21 End Date: 2013.07.21 Last Calib.: 2013.07.21
 Start Time: 14:15:05 End Time: 20:58:59 Time On Btm: 2013.07.21 @ 15:33:30
 Time Off Btm: 2013.07.21 @ 18:37:30

TEST COMMENT: IF-BOB in 3 1/2min
 ISI-No blow
 FF-BOB in 5min
 FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1818.95	100.07	Initial Hydro-static
2	46.04	99.77	Open To Flow (1)
30	340.66	108.07	Shut-In(1)
91	1168.26	106.03	End Shut-In(1)
92	352.62	105.71	Open To Flow (2)
121	579.48	108.43	Shut-In(2)
182	1168.57	107.02	End Shut-In(2)
184	1753.11	106.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	WCM 45%W 55%M	2.95
120.00	MCW 60%W 40%M	1.68
120.00	MCW 75%W 25%M	1.68
180.00	SMCW 90%W 10%M	2.52
660.00	Water	9.26

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mkol Oil LLC
1407 Washington Cir
Hays KS 67601
ATTN: Bob stolze

28-10-17, Rooks, KS
Brummitt #1-28
Job Ticket: 54293 **DST#: 3**
Test Start: 2013.07.21 @ 14:15:00

Mud and Cushion Information

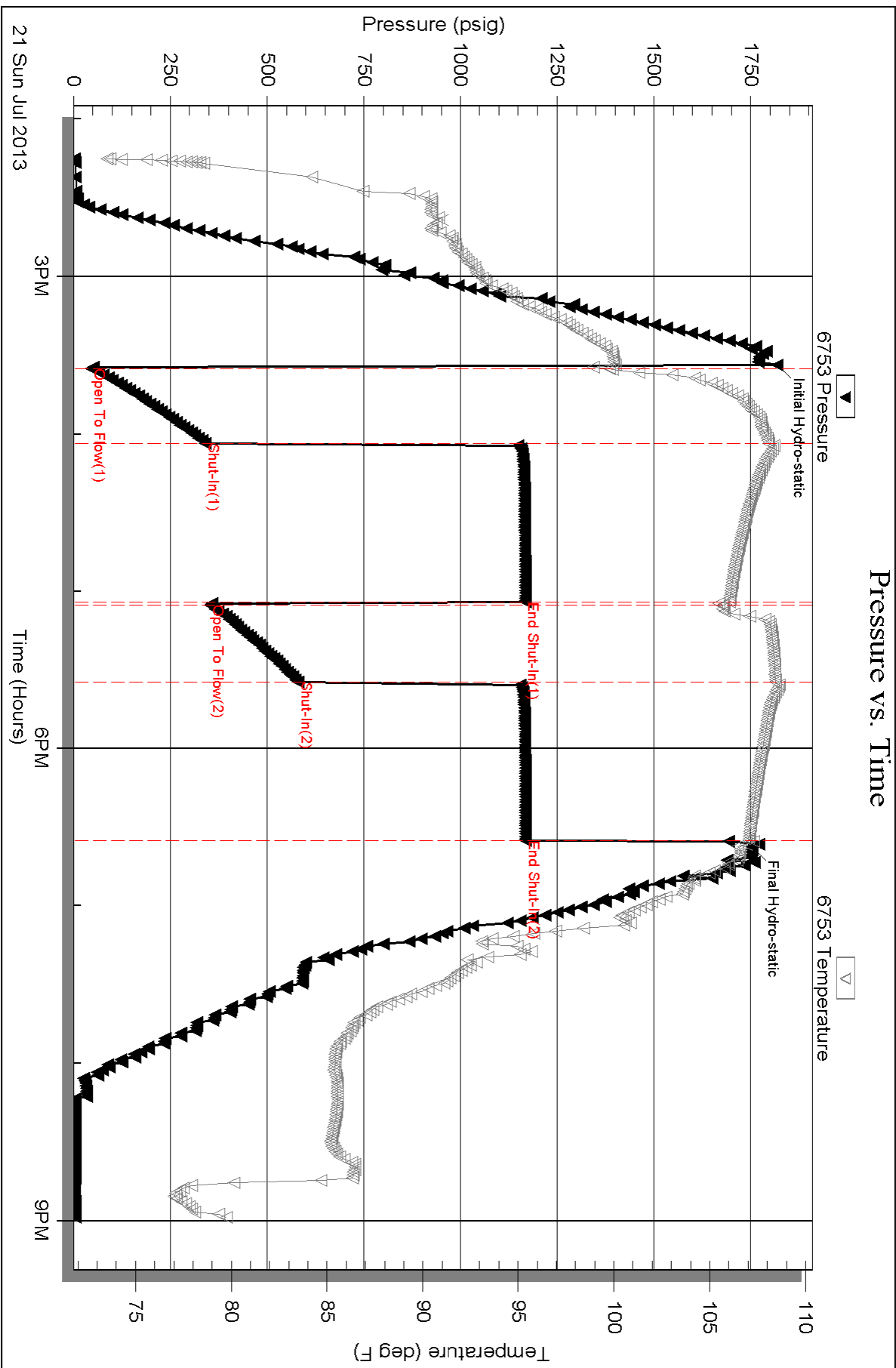
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	32000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	WCM 45%W 55%M	2.946
120.00	MCW 60%W 40%M	1.683
120.00	MCW 75%W 25%M	1.683
180.00	SMCW 90%W 10%M	2.525
660.00	Water	9.258

Total Length: 1290.00 ft Total Volume: 18.095 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



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/>

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

Sam Brownback, Governor

August 28, 2013

Larry Denning
Mikol Oil LLC
1407 WASHINGTON CIR
HAYS, KS 67601

Re: ACO1
API 15-163-24127-00-00
Brummitt 1-28
SE/4 Sec.28-10S-17W
Rooks 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,
Larry Denning

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST

BARREL TEST

OPERATOR Mikol Oil, LLC # 34132 LOCATION OF WELL 475FSL 1590FEL
 LEASE Brumitt OF SEC. 28 T 10S R 17W
 WELL NO. 1-28 COUNTY Rooks
 FIELD Un-named PRODUCING FORMATION LKC
 Date Taken 8-28-2013 Date Effective _____
 Well Depth 3750 Top Prod. Form. _____ Perfs 3450-54 3468-71 3491-94
 Casing: Size 5 1/2 Wt. 15.5# Depth _____ Acid 1500 Gal. 15%
 Tubing: Size 2 7/8 Depth of Perfs _____ Gravity 36
 Pump: Type Incert Bore 2 1/2x1 1/2x 12 Purchaser NCRA
 Well Status Pumping

Pumping, flowing, etc.

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping

STATUS BEFORE TEST:

PRODUCED 24 HOURS
 SHUT IN 0 HOURS

DURATION OF TEST _____ HOURS _____ MINUTES _____ SECONDS

GAUGES: WATER _____ INCHES _____ PERCENTAGE
 OIL _____ INCHES _____ PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 38.40

WATER PRODUCTION RATE (BARREL PER DAY) 5.00

OIL PRODUCTION RATE (BARRELS PER DAY) 33.40

STROKES PER MINUTE 4 PRODUCTIVITY

LENTH OF STROKE 63 INCHES

REGULAR PRODUCING SCHEDULE 24-7 HOURS PER DAY.

COMMENTS _____

WITNESSES:

Richard Williams

[Signature]

FOR STATE

FOR OPERATOR

FOR OFFSET