



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1210595
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: _____

1210595

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	Brumitt 2-28
Doc ID	1210595

Tops

Name	Top	Datum
Top Anhydrite	1235	+765
Base Anhydrite	1271	+729
Topeka	2949	-949
Heebner	3174	-1174
Toronto	3197	-1197
LKC	3215	-1215
BKC	3452	-1452
Arbuckle	3594	-1594

Marc A. Downing		Geologic Report		
Consulting Petroleum Geologist		Drilling Time and Sample Log		
Operator Mikol Oil LLC		Elevation KB 2000		
Lease Brumitt No. 2-28		DF 1994		
API # 15-163-24184-0000		Casing Record Surface 8 5/8" @ 200'		
Field Colby		Production 5 1/2" @ 3645'		
Location 646' FSL & 999' FEL		Electrical Surveys		
Sec. 28	Twp. 10s	Rge. 17w	CNDL, DIL, MEL	
County Rooks		State Kansas		
Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	NA	1235	+765	FL
Base Anhydrite	NA	1271	+729	FL
Topoka	2954	2949	-949	+1
Heebner	3178	3174	-1174	-1
Toronto	3200	3197	-1197	+1
LKC	3220	3215	-1215	+1
BKC	3456	3452	-1452	+1
Arbuckle	3597	3594	-1594	+7
Total Depth	3650	3645	-1645	
Reference Well For Structural Comparison Mikol Oil LLC				
Brumitt #1-28		475' FSL & 1590' FEL		Sec. 28-10s-17w

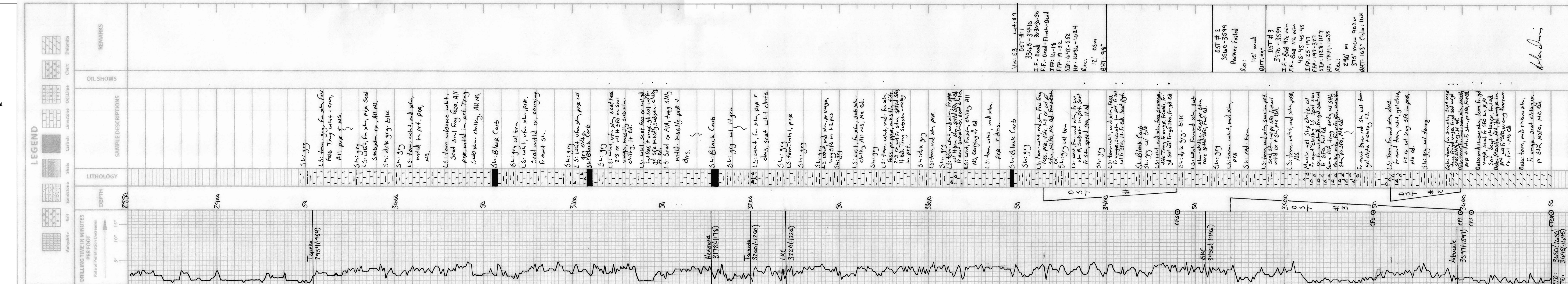
Drilling Contractor	Royal Drilling, Rig #1		
Commenced	NA	Completed	4-20-14
Samples Saved From	2950	To	RTD
Drilling Time Kept From	2850	To	RTD
Samples Examined From	2950	To	RTD
Geological Supervision From	2850	To	RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion.

Perforations:
 LKC K: 3423-3427
 LKC J: 3401-3405
 LKC I: 3383-3387

Respectfully Submitted,
 Marc A. Downing





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mkol Oil LLC
1407 Washington Cir.
Hays KS 67601
ATTN: Marc Downing

28 10s 17w Rooks
Brumitt 2-28
Job Ticket: 57593 **DST#: 1**
Test Start: 2014.04.19 @ 03:33:00

GENERAL INFORMATION:

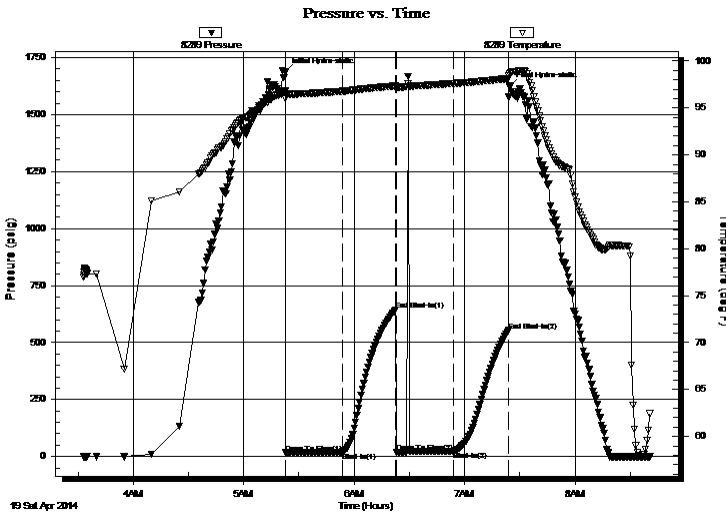
Formation: **LKC " I - K "**
Deviated: No Whipstock: 1997.00 ft (KB)
Time Tool Opened: 05:22:45
Time Test Ended: 08:41:00
Interval: **3365.00 ft (KB) To 3440.00 ft (KB) (TVD)**
Total Depth: 3440.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 1997.00 ft (KB)
1991.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 22.55 psig @ 3372.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.19 End Date: 2014.04.19 Last Calib.: 2014.04.19
Start Time: 03:33:02 End Time: 08:41:00 Time On Btm: 2014.04.19 @ 05:22:30
Time Off Btm: 2014.04.19 @ 07:24:30

TEST COMMENT: 30-IFP- Good Surge on Open -- No Blow
30-ISIP- No Blow
30-FFP- No Blow -- Flushed -- No Blow
30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.63	96.79	Initial Hydro-static
1	16.32	96.01	Open To Flow (1)
31	18.20	96.78	Shut-In(1)
60	642.95	97.35	End Shut-In(1)
61	19.69	97.16	Open To Flow (2)
92	22.55	97.60	Shut-In(2)
122	552.30	98.11	End Shut-In(2)
122	1624.00	98.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	OSM 100%	0.17

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: Marc Downing

28 10s 17w Rooks
Brumitt 2-28
Job Ticket: 57593 **DST#: 1**
Test Start: 2014.04.19 @ 03:33:00

Mud and Cushion Information

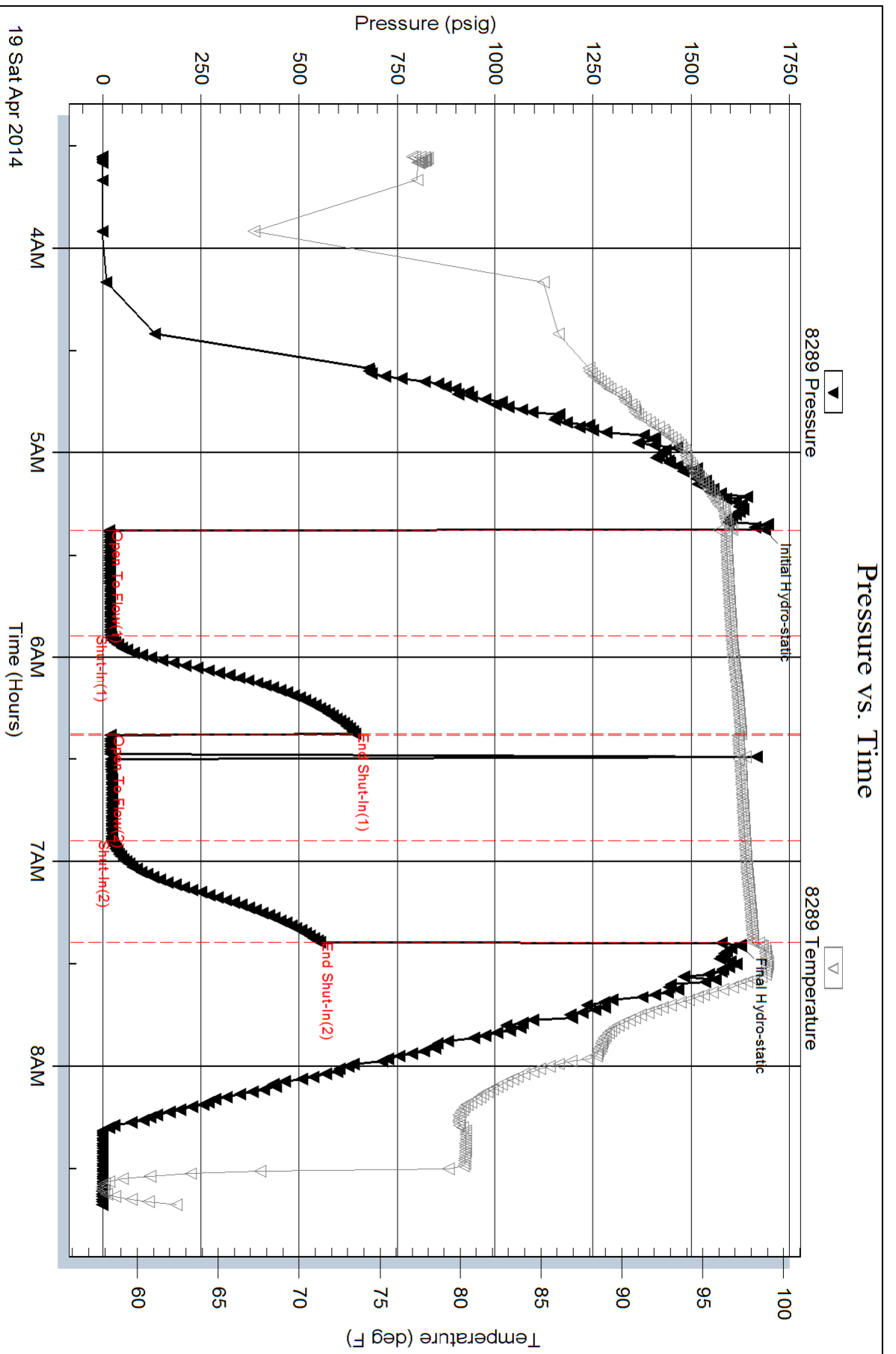
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	OSM 100%	0.168

Total Length: 12.00 ft Total Volume: 0.168 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



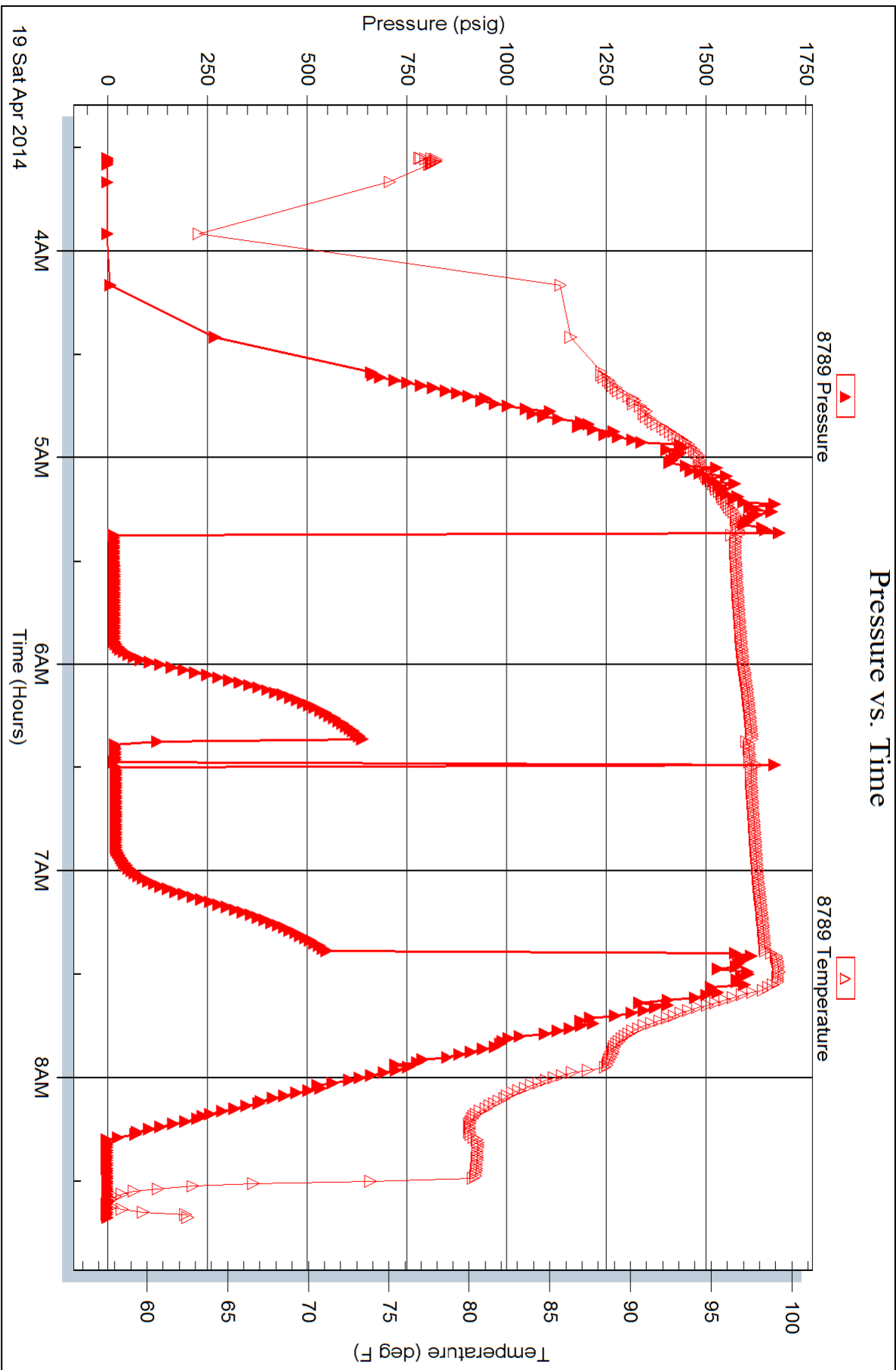
Serial #: 8789

Inside

Mkol Oil LLC

Burnitt-2-28

DST Test Number: 1





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mkol Oil LLC
 1407 Washington Cir.
 Hays KS 67601
 ATTN: Marc Downing

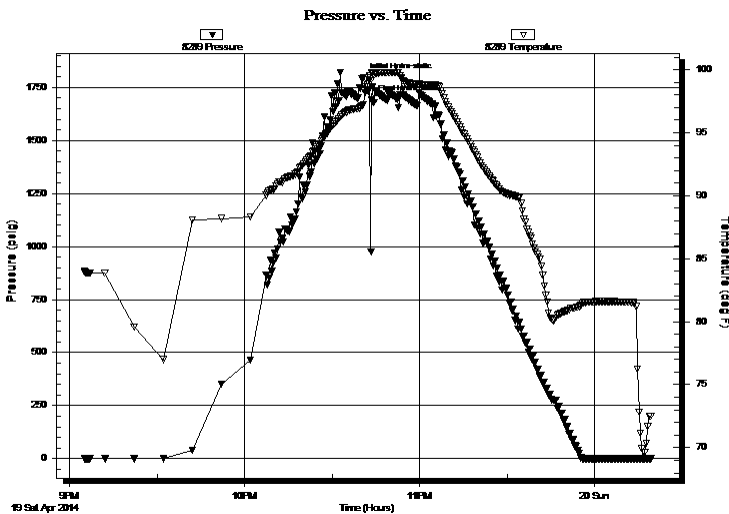
28 10s 17w Rooks
Brumitt 2-28
 Job Ticket: 57594 **DST#: 2**
 Test Start: 2014.04.19 @ 21:05:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: 1997.00 ft (KB)
 Time Tool Opened: 22:41:00
 Time Test Ended: 00:19:00
 Interval: **3560.00 ft (KB) To 3599.00 ft (KB) (TVD)**
 Total Depth: 3599.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 1997.00 ft (KB)
 1991.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8289 Outside
 Press @ Run Depth: psig @ 3564.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.19 End Date: 2014.04.20 Last Calib.: 2014.04.20
 Start Time: 21:05:02 End Time: 00:19:15 Time On Btm: 2014.04.19 @ 22:40:45
 Time Off Btm: 2014.04.19 @ 22:43:30

TEST COMMENT: Packers Failed -- Pulled



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1796.23	97.22	Initial Hydro-static
3	1692.65	99.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	Mud 100%	1.61

* 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: Marc Downing

28 10s 17w Rooks
Brumitt 2-28
Job Ticket: 57594 **DST#: 2**
Test Start: 2014.04.19 @ 21:05:00

Mud and Cushion Information

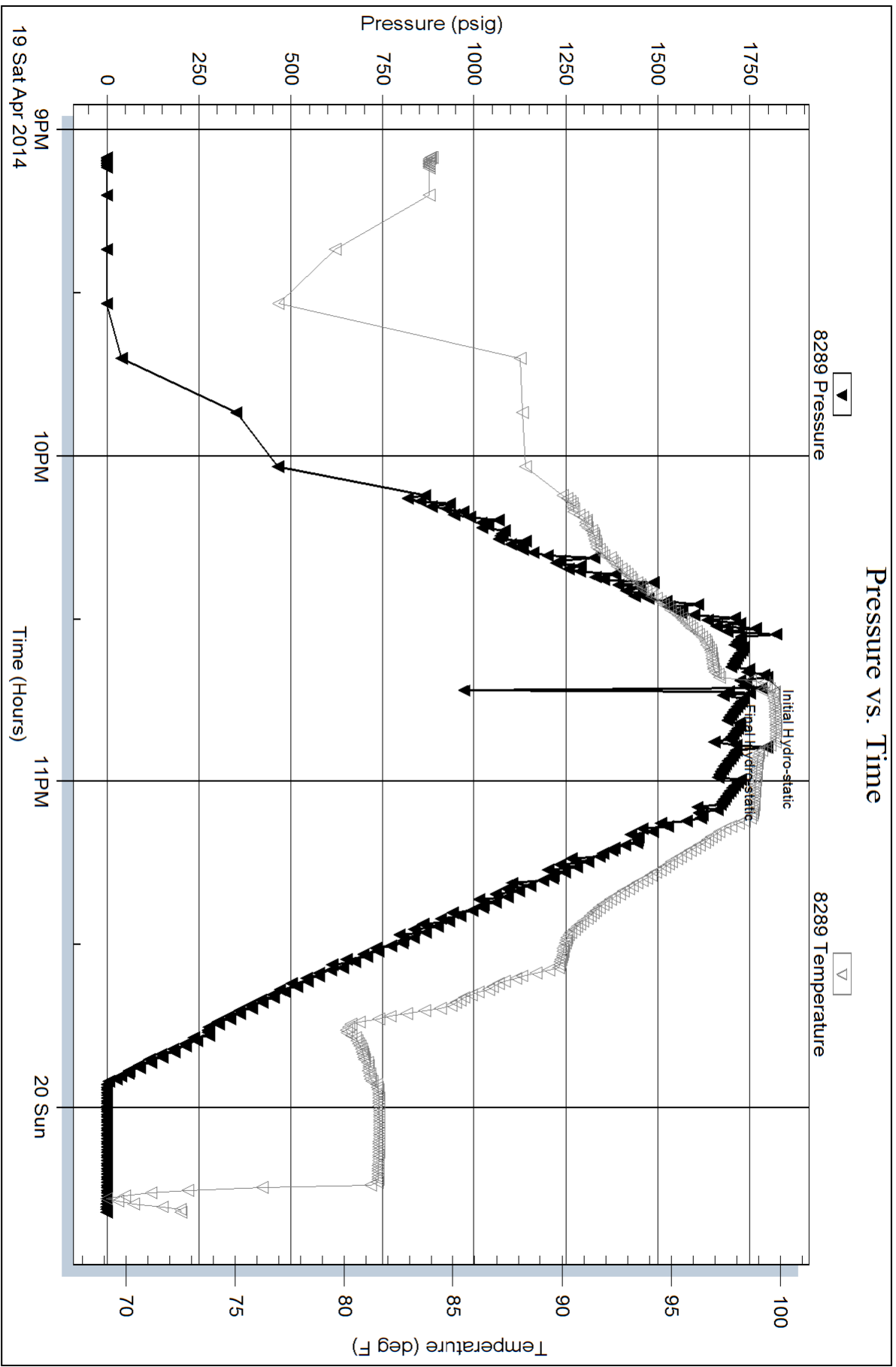
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	Mud 100%	1.613

Total Length: 115.00 ft Total Volume: 1.613 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: Marc Downing

28 10s 17w Rooks
Brumitt 2-28
 Job Ticket: 57595 **DST#: 3**
 Test Start: 2014.04.20 @ 00:38:00

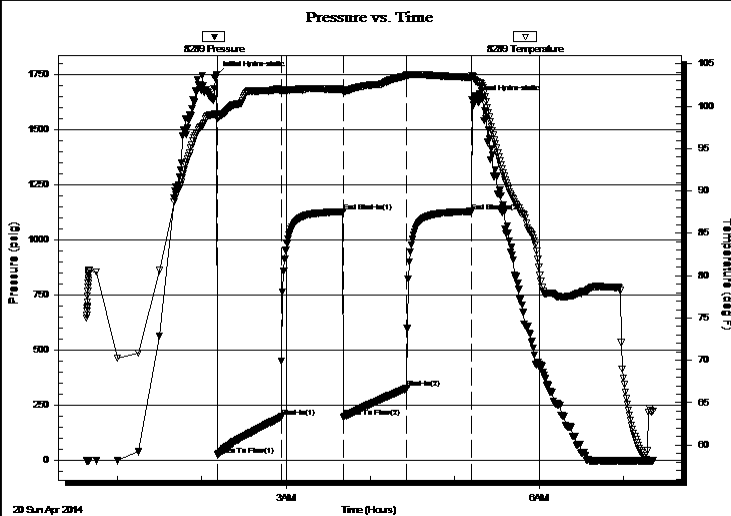
GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: 1997.00 ft (KB)
 Time Tool Opened: 02:11:00
 Time Test Ended: 07:21:00
 Interval: **3470.00 ft (KB) To 3599.00 ft (KB) (TVD)**
 Total Depth: 3599.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 1997.00 ft (KB)
 1991.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 327.07 psig @ 3473.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.20 End Date: 2014.04.20 Last Calib.: 2014.04.20
 Start Time: 00:38:02 End Time: 07:21:00 Time On Btm: 2014.04.20 @ 02:10:30
 Time Off Btm: 2014.04.20 @ 05:12:15

TEST COMMENT: 45-IFP- BOB in 9 1/2 min.
 45-ISIP- No Blow
 45-FFP- BOB in 11 1/2 min.
 45-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.70	99.02	Initial Hydro-static
1	25.77	98.52	Open To Flow (1)
46	197.83	101.79	Shut-In(1)
90	1128.14	102.02	End Shut-In(1)
91	197.25	101.71	Open To Flow (2)
136	327.07	103.58	Shut-In(2)
182	1128.79	103.41	End Shut-In(2)
182	1635.08	103.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	Mud 100%	3.93
375.00	MCW 10% m 90% w	5.26

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mkol Oil LLC
1407 Washington Cir.
Hays KS 67601
ATTN: Marc Downing

28 10s 17w Rooks
Brumitt 2-28
Job Ticket: 57595 **DST#: 3**
Test Start: 2014.04.20 @ 00:38:00

Mud and Cushion Information

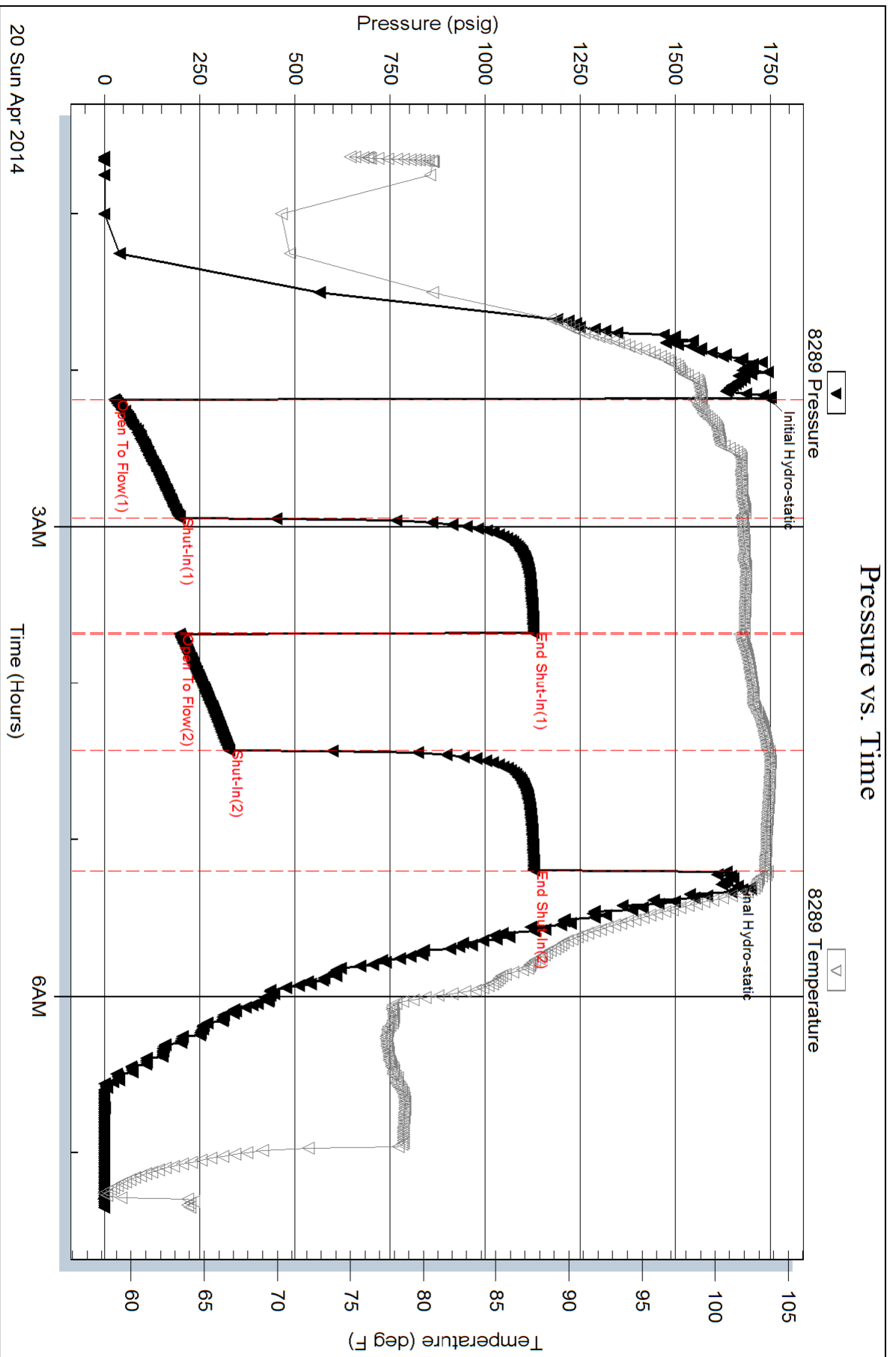
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	16000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	Mud 100%	3.928
375.00	MCW 10%m 90%w	5.260

Total Length: 655.00 ft Total Volume: 9.188 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .515 @ 56



STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST

BARREL TEST

OPERATOR MIKOL OIL, LLC # 34132 LOCATION OF WELL NW-NE-SE-SE/4
 LEASE BRUMITT OF SEC. 28 T 10 R 17w
 WELL NO. #2-28 COUNTY ROOKS
 FIELD _____ PRODUCING FORMATION _____
 Date Taken 6-10-19 Date Effective _____
 Well Depth 3630 Top Prod. Form. LKC Perfs 3401-3406, 3382-3386
 Casing: Size 5 1/2 Wt. 15.5# Depth 3630 Acid _____
 Tubing: Size 2 3/8 Depth of Tubing _____ Gravity 36
 Pump: Type Insert Bore 2 x 1 1/2" x 12' Purchaser Coffeeville Resources
 Well Status pumping

Pumping, flowing, etc.

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping

STATUS BEFORE TEST:

PRODUCED 12 HOURS
 SHUT IN 12 HOURS

DURATION OF TEST _____ HOURS _____ MINUTES _____ SECONDS

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

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 7.22

WATER PRODUCTION RATE (BARREL PER DAY) 1.44

OIL PRODUCTION RATE (BARRELS PER DAY) 5.78 PRODUCTIVITY

STROKES PER MINUTE 5

LENTH OF STROKE 43" INCHES

REGULAR PRODUCING SCHEDULE 12/12 T/c HOURS PER DAY.

COMMENTS _____

WITNESSES:

Richard Williams

FOR STATE

FOR OPERATOR

FOR OFFSET

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form C-5
January 2011

PRODUCTION TEST & GOR REPORT

IMPORTANT: This form is intended to convey information pertinent to a single well, not an entire lease.
In so far as possible, while testing the well, production of both oil and natural gas shall be held within assigned daily allowable limits.

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: _____

Company: Mikol Oil, LLC Lease: Brumitt Well No.: 2-28

County: Rooks Location: NW - NE - SE - SE Sec. 28 Twp. 10 R. 17 East West Acres: 40

API Well No.: 15-163-24184 Reservoir(s): LKC Gas Pipeline Connection: _____

Completion Date: 05-06-14 Liquid to Surface Thru (Describe): Tubing Plug Back T.D.: 3600 Packer Set At: _____

Lifting Method: None Pumping Gas Lift ESP Type Liquid: OIL API Gravity of Liquid / Oil: 36

Casing Diameter: 5.5 Weight: 15.5 # I.D.: _____ Set At: 3630 Perforations: 3401 To: 3406

Tubing Diameter: 2 3/8 Weight: 4.7 # I.D.: _____ Set At: _____ Perforations: 3382 To: 3386

Pretest
Starting Date: _____ Time: AM / PM Ending Date: _____ Time: AM / PM

Test
Starting Date: _____ Time: AM / PM Ending Date: _____ Time: AM / PM

OIL PRODUCTION OBSERVED DATA

Bbls./In.	Producing Wellhead Pressure		Separator Pressure			Choke Size			Net API Bbls.	
	Casing: Psig	Tubing: Psig	Psig			Psig			Water	Oil
	Stock Tank		Starting Gauge			Ending Gauge				
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels		
Pretest:										
Test 1:										
Test 2:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Location					Check one: <input type="checkbox"/> Downstream of Separator <input type="checkbox"/> At Wellhead		
Check one: <input type="checkbox"/> Pipe Taps <input type="checkbox"/> Flange Taps			Ranges > Differential: _____ Inches					Static Pressure: _____ inches / psi		
Type Measuring Device	Sales Line Entry Size (Inches)	Orifice Size	Meter - Prover - Tester Pressure					Diff. Pressure (H _w) or (h _d)	Gas Gravity (G _g)	Flow Temp. (t)
			In. Water	In. Merc.	Psig or (P _d)	%CO ₂	H ₂ Sppm			
Orifice Meter										
Critical Flow Prover										
MERLA Well Tester										

GAS FLOW RATE CALCULATIONS (R)

Plate Coeff. MCFD (F _b) (F _p)	Meter - Prover Press. (P _{sia}) (P _p)	Press Extension $\sqrt{h_w \times P_m}$	Gravity Factor (F _g)	Choke Setting	Flowing Temp. Factor (F _t)	Deviation Factor (F _{pv})	Sqr. Rt. Chart Factor (F _r)
Trial 1:							
Trial 2:							

Gas Prod. MCF Flow Rate (R): _____ Oil Prod. Bbls / Day: _____ Gas / Oil Ratio (GOR): _____ Cubic Feet per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that every aspect of said report is true and correct. Executed this the 5 day of June, 2014

Richard Wilson
For Offset Operator

[Signature]
For Commission

[Signature]
For Company

Date	Lease & Well	Oil B/D	Water B/D	SPM	Stroke	JTF	JTP	Pump	PO/NPO	Eff%	100%	Notes
5/13/2014	Richmond 1-27	4.81	20.47	4.11	64			1.5	PO	37%	67.83	25.28tf
5/13/2014	Richmond 2-27	3.9	6.94	4.05	53			1.5	PO	19%	56.23	10.84tf
5/7/2014	Richmond 3-34	3.39	27.41	8.82	53		109	1.5	NPO	86%	122.47	5.5' 3m 105.96tf
5/29/2014	Brumitt1-28	14.45	0	4.48	43		113	1.5	PO	28%	50.47	14.45tf
5/29/2014	Brumitt2-28	5.78	1.44	3.29	43			1.5	PO	19%	37.06	7.22tf
		20.23	1.44									
5/16/2014	Marston 1A-27	4.23	17.44	5.52	47			1.5	PO	32%	67.97	21.67tf
5/9/2014	Gosser 1-14	2.53	91.39	8.11	74		114	1.5	PO	60%	157.23	93.92tf
5/9/2014	Gosser 2-14	21.82	21.53	5.26	64			1.5	PO	49%	88.2	43.35tf
		24.35	112.92									
5/8/2014	Brumitt2-28	41.7	0	7.69	43			1.5	PO	48%	86.63	41.79tf
5/10/2014	Brumitt2-28	14.45	0	3.29	43			1.5	PO	39%	37.06	14.45tf
5/11/2014	Brumitt2-28	11.71	2.74	3.29	43			1.5	PO	39%	37.06	14.45tf
5/12/2014	Brumitt2-28	8.37	3.19	3.29	43			1.5	PO	31%	37.06	11.56tf
5/13/2014	Brumitt2-28	7.99	3.57	3.29	43			1.5	PO	25%	53.62	11.56tf
5/14/2014	Brumitt2-28	11.71	1.65	4.76	43			1.5	PO	20%	53.62	13.36tf
5/15/2014	Brumitt2-28	8.37	2.46	4.76	43			1.5	PO	20%	53.62	10.83tf
5/16/2014	Brumitt2-28	8.37	2.46	4.76	43			1.5	PO	23%	37.06	10.83tf
5/17/2014	Brumitt2-28	7.98	0.69	3.29	43			1.5	PO	54%	37.06	8.67tf
5/23/2014	Brumitt2-28			3.29	43			1.5	PO	13%	56.33	20.23 tf truck treated bd test
5/29/2014	Brumitt2-28	5.78	1.44	5	43			1.5	PO			7.22tf

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. 104

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-14-14	28	10	17	ROOKS	Ks.	9:15 PM	11:00 PM

Location Codell Ks. 2 W 2 3/4 S. 1/4 W INTO

Lease	Well No.	Owner	
<u>BAUMITT</u>	<u>2-28</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.	
Contractor	Type Job	Charge To	
<u>Royal Rig #1</u>	<u>Cement Surface</u>	<u>MIKOL OIL CO2</u>	
Hole Size	T.D.	Street	
<u>12 1/4</u>	<u>220'</u>		
Csg.	Depth	City	
<u>8 5/8</u>		State	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered <u>150 sx Comm.</u>	
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <u>3% CC 2% GreL</u>	
<u>15'</u>			
Meas Line	Displace		
	<u>13 / BBL</u>		

EQUIPMENT		Common
Pumptrk	No.	<u>150</u>
<u>18</u>		
Bulktrk	No.	
<u>1</u>		
Bulktrk	No.	

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling <u>158</u>
		Mileage

RAN 5 NEW JOINTS OF 23#
8 5/8 csg. SET @ 220'
Received circ x
Cement w/ 150 sx comm 342
Displaced 13 BBL H₂O &
Shot in @ 250#.
Cement did circulate
to surface
THANKS

FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	<u>Surface</u>
Mileage	<u>49</u>

X Signature <u>Doug Judy</u>	Tax
	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 108

Date <u>4-21-14</u>	Sec. <u>28</u>	Twp. <u>10</u>	Range <u>17</u>	County <u>Rooks</u>	State <u>KS.</u>	On Location	Finish <u>5:00 AM</u>
				Location <u>Codell KS, 3W 3 1/2 S, 1/2W</u>			

Lease <u>BRUMITT</u>	Well No. <u>2-28</u>	Owner
Contractor <u>ROYAL DRILLING RIG #1</u>		To Quality Oilwell Cementing, Inc.
Type Job <u>PRODUCTION STRING w/PORT COLLAR</u>		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	T.D.	Charge To <u>MIKOL OIL LLC,</u>
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Csg. <u>5 1/2</u>	Depth <u>3630'</u>	Street
Tbg. Size	Depth	City State

Tool <u>LATCH DOWN Plug</u>	Depth <u>AS/ @ 3613</u>	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <u>200 SX COMM</u>

Meas Line	Displace <u>86 BBL</u>	<u>10% SALT,</u>
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EQUIPMENT

Pumptrk <u>18</u>	No.	Cementer	<u>GLAIN G.</u>	Common <u>200</u>
		Helper	<u>CODY B.</u>	Poz. Mix
Bulktrk <u>1</u>	No.	Driver	<u>CLINTON B.</u>	Gel.
		Driver		Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole <u>30 SX</u>	Salt <u>17</u>

Mouse Hole <u>20 SX</u>	Flowseal
Centralizers	Kol-Seal

Baskets	Mud CLR 48 <u>500 GAL</u>
D/V of Port Collar <u>5 1/2 Port Collar</u>	CFL-117 or CD110 CAF 38

<u>RAN 87 NEW JTS OF 15,500# 5 1/2 csg,</u>	Sand
<u>SET @ 3630' RECEIVED CIRCULATION</u>	Handling <u>217</u>

<u>DROP AFU BALL, & CIRCULATE 1 HR,</u>	Mileage
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FLOAT EQUIPMENT

<u>MIX MUD - FLUSH, & CEMENT w/150</u>	Guide Shoe <u>1 - FLOAT SHOE "AFU"</u>
<u>SX COMM, 10% SALT, CLEAR-LINE</u>	Centralizer <u>5-TURBO</u>

<u>RELEASE LATCH DOWN Plug, &</u>	Baskets <u>1-BSK</u>
<u>DISPRED 86 /BBL HR @ -</u>	AFU Inserts

<u>LAND Plug @ 2000#</u>	Float Shoe <u>1 - FLOAT SHOE</u>
<u>RELEASE PRESSURE & Plug</u>	Latch Down <u>1 - LATCH DOWN & ASSY</u>

<u>"HELD."</u>	<u>1 port collar</u>
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	Pumptrk Charge <u>PROD STRING</u>
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<u>30 SX @ Rat Hole</u>	Mileage <u>491</u>
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<u>20 SX @ Mouse Hole</u>	Tax
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<u>Vernon W. Preshes</u>	Discount
<u>THANK'S!</u>	Total Charge

X Signature <u>W. Bug Budge</u>	
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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. 176

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-6-14				Ellis	KS		10:00 AM

Location Codell + River Rd 1W 3N Winto

Lease <u>Bramitt</u>	Well No. <u>2-28</u>	Owner
Contractor <u>Western</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>Port collar</u>		
Hole Size	T.D.	Charge To <u>Mikol Oil</u>
Csg. <u>5 1/2</u>	Depth	Street
Tbg. Size <u>2'</u>	Depth	City
Tool <u>Port collar</u>	Depth <u>1226'</u>	State
Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line	Displace <u>2 1/2 bbl</u>	Cement Amount Ordered <u>300 60/40 6 3/8 Gel 1/4 flow</u>
		Used <u>200 60/40 6 3/8 Gel 1/4 flow</u>

EQUIPMENT

Pumptrk <u>5</u> No.	Cementer Helper <u>David</u>	Common <u>120</u>
Bulktrk <u>4</u> No.	Driver <u>Lennie M</u>	Poz. Mix <u>80</u>
Bulktrk <u>Pu</u> No.	Driver <u>Brett</u>	Gel. <u>11</u>
		Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal <u>75#</u>
Centralizers	Kol-Seal
Baskets	Mud CLR 48
PC Port Collar <u>1226'</u>	CFL-117 or CD110 CAF 38
	Sand
	Handling <u>300</u>
	Mileage

FLOAT EQUIPMENT

Test PC @ 800 lbs	Guide Shoe
Opened PC	Centralizer
Mixed 200sks 60/40	Baskets
Displaced 2 1/2 bbl	AFU Inserts
Ran 5 jts	Float Shoe
Washed Clean	Latch Down
Cement circulated!!	

Pumptrk Charge port collar
Mileage 49

Signature <u>Kerry W. Reisher</u>	Tax
	Discount
	Total Charge