KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1108534

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34344
Name: Culbreath Oil & Gas Company, Inc.
Address 1: 1532 S PEORIA AVE
Address 2:
City: TULSA State: OK Zip: 74120 + 6202
Contact Person: Billy Schmidt
Phone: (918) 749-3508
CONTRACTOR: License # 34233
Name: Maverick Drilling LLC
Wellsite Geologist: Pat Deenihan
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

09/18/2012	09/26/2012	09/26/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22800-00-00
Spot Description: 80' East, SW NW SE
E2 - SW - NW - SE Sec. 29 Twp. 15 S. R. 25 [ ] East [x] West
1650 Feet from [ ] North / [x] South Line of Section
2210 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Trego
Lease Name: Deines Well #: 1-29
Field Name:
Producing Formation: Miss
Elevation: Ground: 2515 Kelly Bushing: 2524
Total Depth: 4526 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 270 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 270
feet depth to: w/ 180 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 8000 ppm Fluid volume: 6000 bbls
Dewatering method used: Evaporated
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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 01/24/2013

Side Two

[redacted] 1108534

Operator Name: Culbreath Oil & Gas Company, Inc. Lease Name: Deines Well #: 1-29

Sec. 29 Twp. 15 S. R. 25 ☐ East ☑ West County: Trego

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

DIL, CNP, Micro

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	270	common	180	3% gel, 2% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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

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

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Deines 1-29
Doc ID	1108534

Tops

Name	Top	Datum
Anhydrite	1947	
Heebner	3797	
Toronto	3817	
Lansing	3848	
BKC	4142	
Marmaton	4213	
Pawnee	4274	
Mississippi	4450	
Log Total Depth	4526	

Schippers Oilfield Services LLC

RR 1 Box 90D
Hoxie, KS 67740

Phone # 785-675-8974 sosllc@ruraltel.net
Fax # 785-675-9938

Invoice

Date 9/17/2012
Invoice # 616

Bill To
Culbreath Oil and Gas Company 1532 S Peoria Tulsa, Ok 74120

Ship To

P.O. # Denice 1-29
Terms Net 30

Ship Date 9/19/2012
Due Date 10/17/2012
Other

Item	Description	Qty	Price	Amount
Cement	Common	185	15.50	2,867.50T
Gel		4	26.00	104.00T
chloride	calcium chloride	6	52.00	312.00T
Handling of mater...	per sack	195	2.15	419.25
Mileage and labor		61	19.50	1,189.50
Pump truck charge	Tri- plex pump charge		1,050.00	1,050.00
Pump truck mileage	To and From Location	122	6.50	793.00
Light vehicle mile...	To and From Location	122	2.00	244.00

TAKE 10% DISCOUNT IF PAID WITHIN 20 DAYS. DEDUCT FROM TOTAL.

Subtotal	$6,979.25
Sales Tax (6.8%)	$223.28
Total	$7,202.53
Payments/Credits	$0.00
Balance Due	$7,202.53

Schippers Oilfield Services LLC

REMIT TO
RR 1 BOX 90 D
HOXIE, KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

No 616

DATE 9/17/12 SEC.	RANGE/TWP.	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
				COUNTY Trego	STATE KS
LEASE ~~Shovel Petroleum Inc~~ Denise Co. Culbreath		WELL # 1-29			

CONTRACTOR	Murfin Drilling LLC 108	OWNER Culbreath			
TYPE OF JOB	Surface				
HOLE SIZE 12¼	T.D. 262	CEMENT			
CASING SIZE 8⅝	DEPTH 252	AMONT ORDERED	185		
TUBING SIZE	DEPTH 8⅝				
DRILL PIPE	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	185	@ 15.50	2,867.50
DISPLACEMENT 14.75	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.		GEL	4	@ 26.00	104.00
PERFS		CHLORIDE	6	@ 52.00	312.00
		ASC		@	
EQUIPMENT				@	
				@	
PUMP TRUCK				@	
# Jay				@	
BULK TRUCK				@	
# Eric				@	
BULK TRUCK				@	
#		HANDLING	195	@ 2.15	419.25
		MILEAGE	61	@ 19.50	1,189.50
				TOTAL	

REMARKS	SERVICE	Surface		
Plug down @ 2315	DEPT OF JOB		@	
14¾ bbl Displacement	PUMP TRUCK CHARGE	1050	@	
Circ Cement to Pit	EXTRA FOOTAGE		@	
	MILEAGE Pump Truck	61 x2	@ 6.50	793.00
	MANIFOLD		@	
	Flow Pick up	61 x2	@ 2.00	244.00
			TOTAL	

CHARGES TO: Culbreath	
STREET	STATE
CITY	ZIP

PLUG & FLOAT EQUIPMENT	
	@

To: Schippers Oil Field Services L.L.C.

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas**

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

Deines #1-29

S29-15s-25w Trego, KS

Start Date: 2012.09.26 @ 04:30:00
End Date: 2012.09.26 @ 12:18:00
Job Ticket #: 48458 DST #: 3

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

Printed: 2012.10.01 @ 14:56:05

DRILL STEM TEST REPORT

Culbreath Oil & Gas

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

S29-15s-25w Trego, KS

Deines #1-29

Job Ticket: 48458 **DST#: 3**

Test Start: 2012.09.26 @ 04:30:00

GENERAL INFORMATION:

Formation: **Mississippan**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:09:50
Time Test Ended: 12:18:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 62

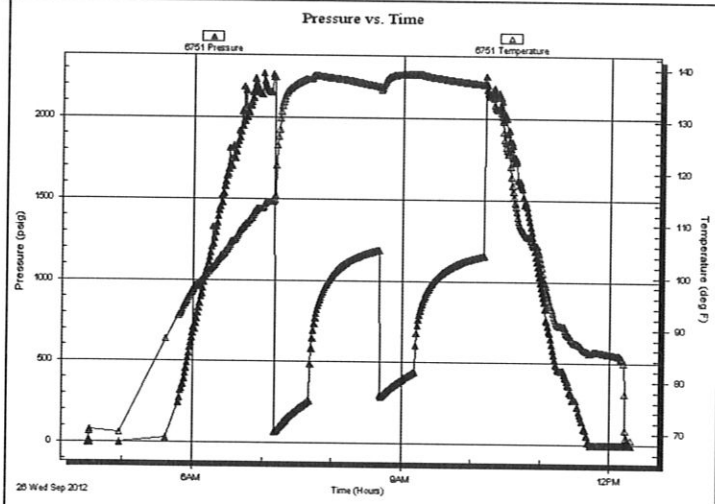
Interval: 4458.00 ft (KB) To 4472.00 ft (KB) (TVD)
Total Depth: 4472.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2524.00 ft (KB)
2515.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6751 **Outside**
Press@RunDepth: psig @ 4462.00 ft (KB)
Start Date: 2012.09.26 End Date: 2012.09.26
Start Time: 04:30:02 End Time: 12:18:11

Capacity: 8000.00 psig
Last Calib.: 2012.09.26
Time On Btm:
Time Off Btm:

TEST COMMENT: B.O.B. @ 7 min.
No return.
B.O.B. @ 7 1/2 min.
No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
750.00	W 100w	10.52
120.00	MW 15m 85w	1.68
60.00	OSWM 25w 75m	0.84

* Recovery from multiple tests

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

S29-15s-25w Trego, KS

Deines #1-29

Job Ticket: 48458 **DST#: 3**

Test Start: 2012.09.26 @ 04:30:00

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:	36000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3200.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
750.00	W 100w	10.521
120.00	MW 15m 85w	1.683
60.00	OSWM 25w 75m	0.842

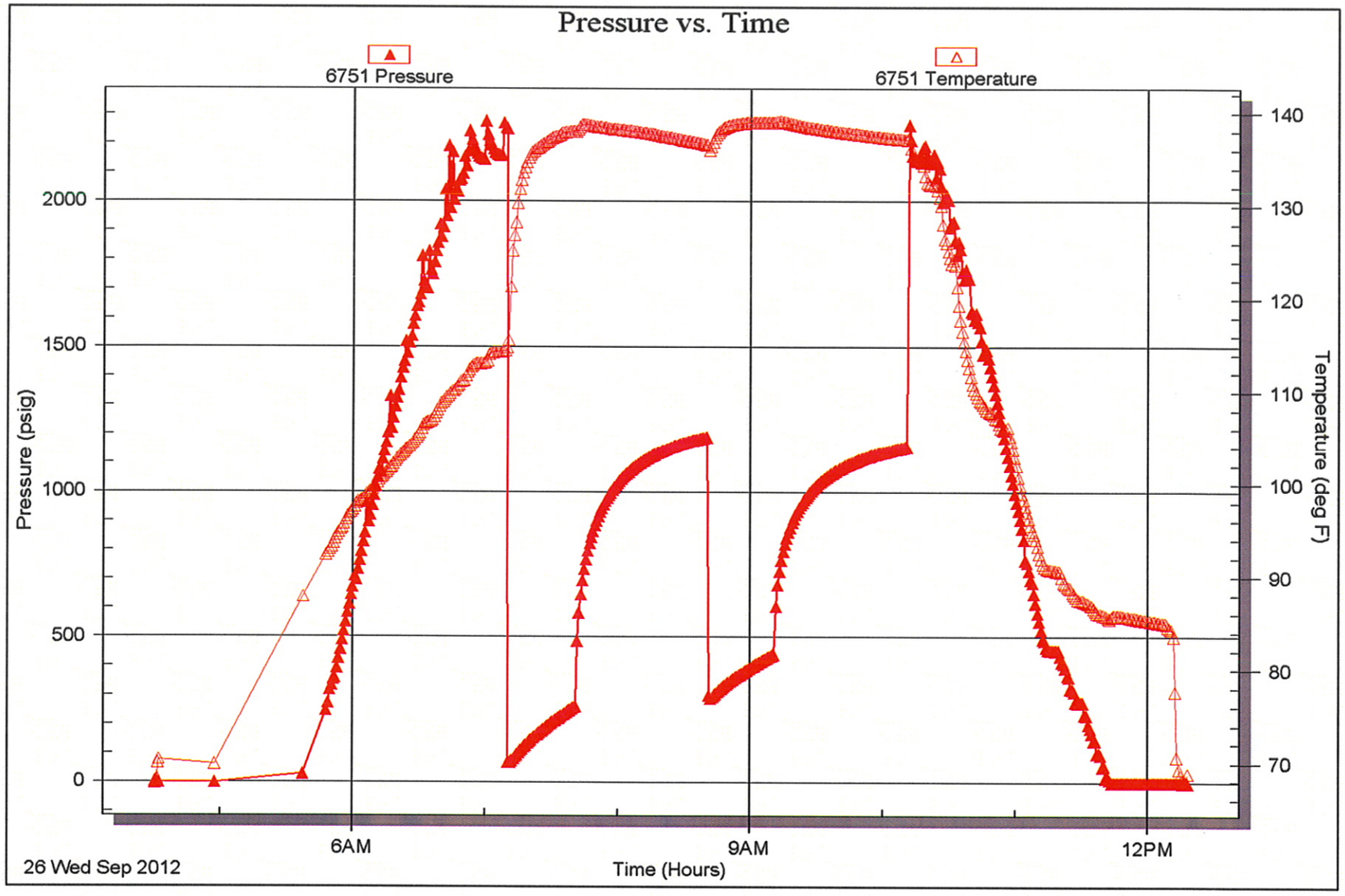
Total Length: 930.00 ft Total Volume: 13.046 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .212 @ 73 Degrees F = 36000 PPM

Serial #: 6751 **Outside** Culbreath Oil & Gas Deines #1-29 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 48458 Printed: 2012.10.01 @ 14:56:10

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

Test Ticket

NO. 48457

Well Name & No. Deines #1-29 Test No. 2 Date 9-25-12

Company Culbreath Oil + Gas Elevation 2524 KB 2515 GL

Address 1532 S Peoria Ave. Tulsa, OK 74120

Co. Rep / Geo. Pat Deenihan Rig Maverick #108

Location: Sec. 29 Twp. 15s Rge. 25w Co. Trego State KS

Interval Tested 4448-4458 Zone Tested Mississippian

Anchor Length 10 Drill Pipe Run 4426 Mud Wt. 9.1

Top Packer Depth 4444 Drill Collars Run 0 Vis 50

Bottom Packer Depth 4448 Wt. Pipe Run 0 WL 9.2

Total Depth 4458 Chlorides 3200 ppm System LCM 4#

Blow Description 6" Blow.
No return.
6" Blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec 30	Feet of GO	5 %gas	95 %oil	%water	%mud
Rec 60	Feet of	%gas	60 %oil	%water	40 %mud
Rec	Feet of 30' Weak GIP	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 90 BHT 127 Gravity 37 API RW ____ @ ____ °F Chlorides — ppm

(A) Initial Hydrostatic	2256	☒ Test 1250	T-On Location 12:10
(B) First Initial Flow	22	☒ Jars 250	T-Started 12:13
(C) First Final Flow	38	☒ Safety Joint 75	T-Open 14:07
(D) Initial Shut-In	980	☒ Circ Sub N/C	T-Pulled 17:54
(E) Second Initial Flow	38	☐ Hourly Standby	T-Out 19:36
(F) Second Final Flow	54	☒ Mileage 119RT 184.45	Comments
(G) Final Shut-In	804	☐ Sampler	
(H) Final Hydrostatic	2157	☐ Straddle	☐ Ruined Shale Packer
		☐ Shale Packer	☒ Ruined Packer 320
Initial Open	32	☐ Extra Packer	☐ Extra Copies
Initial Shut-In	60	☐ Extra Recorder	Sub Total 320
Final Flow	45	☐ Day Standby	Total 2079.45
Final Shut-In	90	☐ Accessibility	MP/DST Disc't
		Sub Total 1759.45	

Approved By Patrick J. Deenihan Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas**

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

Deines #1-29

S29-15s-25w Trego, KS

Start Date: 2012.09.24 @ 20:48:00
End Date: 2012.09.25 @ 03:06:20
Job Ticket #: 48456 DST #: 1

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

Printed: 2012.10.01 @ 14:57:39

DRILL STEM TEST REPORT

Culbreath Oil & Gas

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

S29-15s-25w Trego, KS

Deines #1-29

Job Ticket: 48456 **DST#: 1**

Test Start: 2012.09.24 @ 20:48:00

GENERAL INFORMATION:

Formation: **Cherokee - Upper Mis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:06:20
Time Test Ended: 03:06:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Chuck Smith
Unit No: 62

Interval: 4357.00 ft (KB) To 4448.00 ft (KB) (TVD)
Total Depth: 4448.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

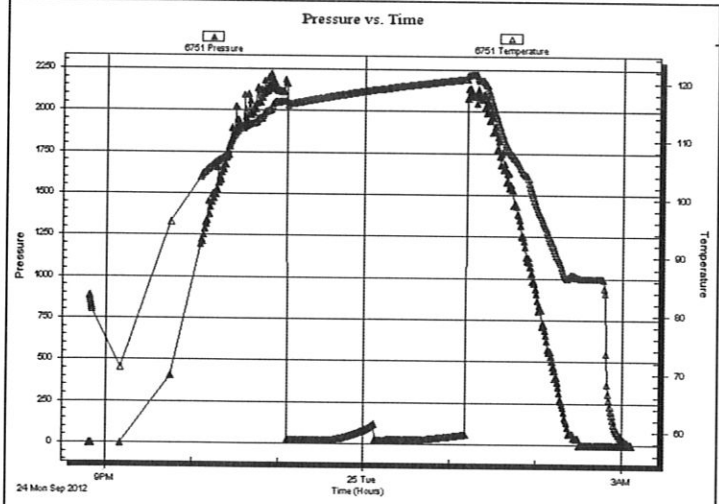
Reference Elevations: 2524.00 ft (KB)
2515.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6751 **Outside**

Press@RunDepth: psig @ 4361.00 ft (KB)
Start Date: 2012.09.24 End Date: 2012.09.25
Start Time: 20:48:02 End Time: 03:06:18

Capacity: 8000.00 psig
Last Calib.: 2012.09.25
Time On Btm:
Time Off Btm:

TEST COMMENT: Surface blow died @ 5 min.
No return.
No blow.
No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100m Oil spots in tool.	0.05

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

S29-15s-25w Trego, KS

Deines #1-29

Job Ticket: 48456 **DST#: 1**

Test Start: 2012.09.24 @ 20:48:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.57 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3200.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

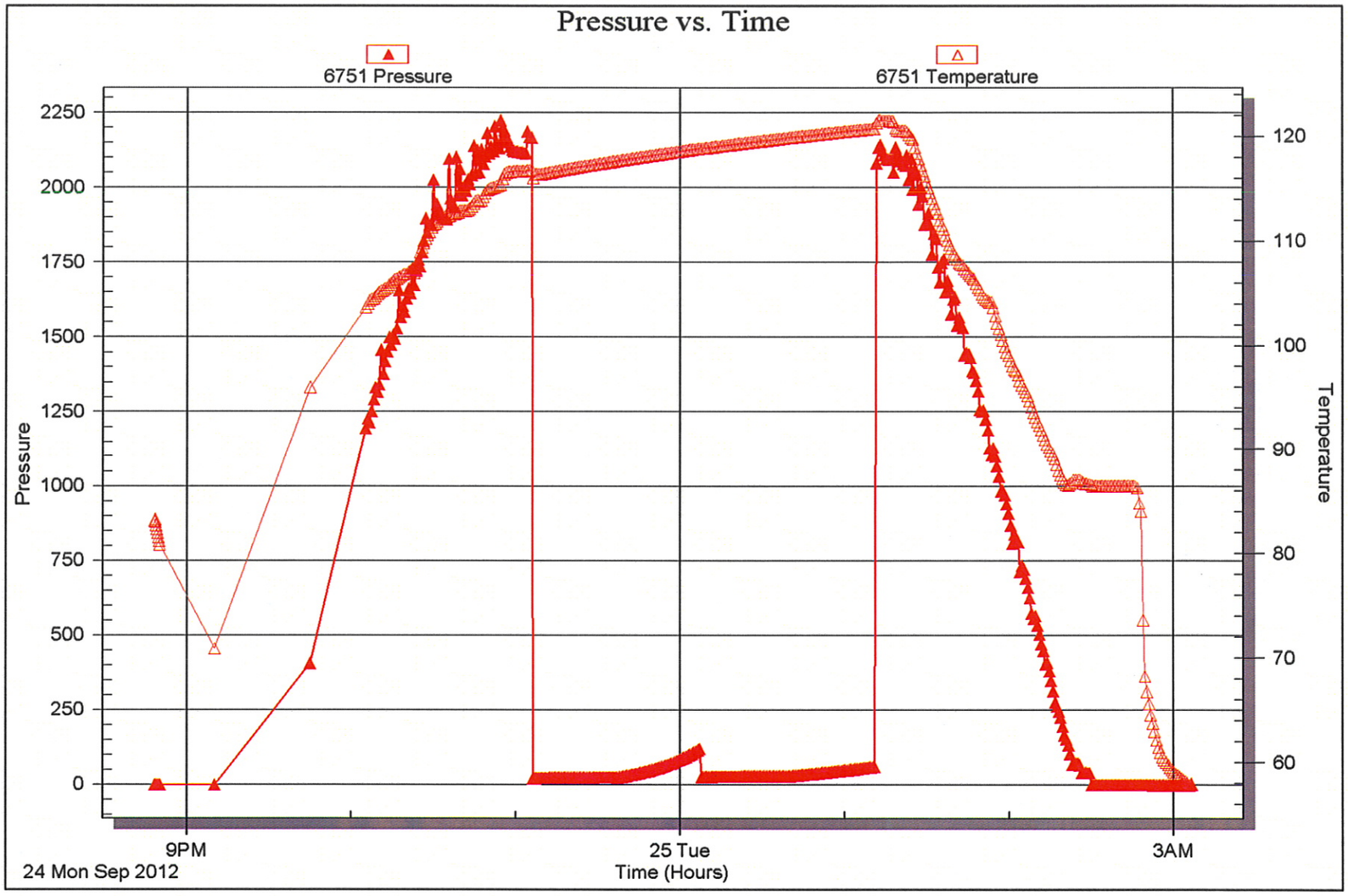
Recovery Table

Length ft	Description	Volume bbl
10.00	M 100m Oil spots in tool.	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6751 **Outside** Culbreath Oil & Gas Deines #1-29 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 48456 Printed: 2012.10.01 @ 14:57:44

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Culbreath Oil & Gas

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

S29-15s-25w Trego, KS

Deines #1-29

Job Ticket: 48457 **DST#: 2**

Test Start: 2012.09.25 @ 12:13:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:06:40
Time Test Ended: 19:36:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 62

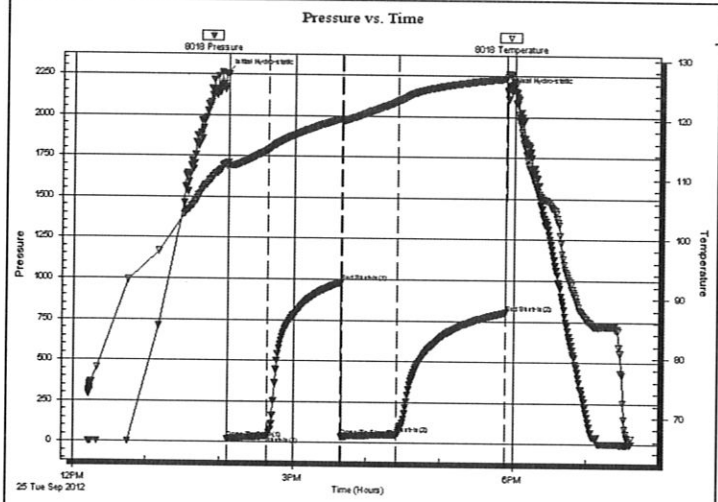
Interval: 4448.00 ft (KB) To 4458.00 ft (KB) (TVD)
Total Depth: 4458.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2524.00 ft (KB)
2515.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 53.64 psig @ 4455.00 ft (KB)
Start Date: 2012.09.25 End Date: 2012.09.25
Start Time: 12:13:01 End Time: 19:36:00

Capacity: 8000.00 psig
Last Calib.: 2012.09.25
Time On Btm: 2012.09.25 @ 14:05:00
Time Off Btm: 2012.09.25 @ 17:54:00

TEST COMMENT: 6" Blow .
No return.
6" Blow .
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.66	112.03	Initial Hydro-static
2	22.27	112.07	Open To Flow (1)
34	37.73	114.77	Shut-In(1)
94	980.10	120.03	End Shut-In(1)
95	38.43	119.70	Open To Flow (2)
140	53.64	123.00	Shut-In(2)
229	803.86	126.96	End Shut-In(2)
229	2157.08	127.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 40m 60o	0.84
30.00	GO 5g 95o	0.42
0.00	30" Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas

1532 S. Peoria Ave.
Tulsa, OK 74120

ATTN: Pat Deenihan

S29-15s-25w Trego, KS

Deines #1-29

Job Ticket: 48457 **DST#: 2**

Test Start: 2012.09.25 @ 12:13:00

Tool Information

Drill Pipe:	Length:	4426.00 ft	Diameter:	3.80 inches	Volume:	62.09 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	62.09 bbl	

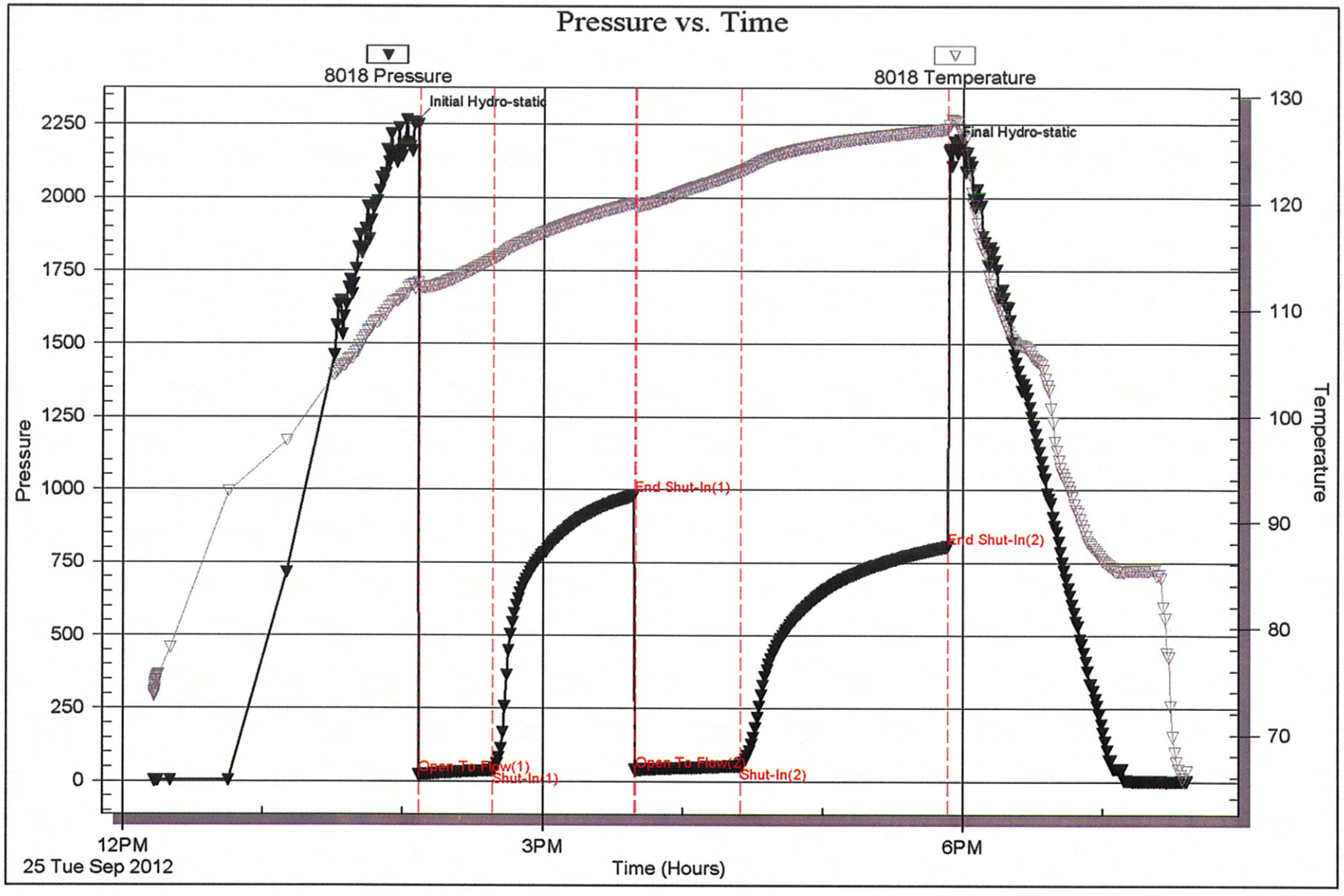
Drill Pipe Above KB:	5.50 ft
Depth to Top Packer:	4448.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	10.00 ft
Tool Length:	37.50 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2300.00 lb
Weight set on Packer:	22000.00 lb
Weight to Pull Loose:	80000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	65000.00 lb
Final	66000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4421.50		
Shut In Tool	5.00			4426.50		
Hydraulic tool	5.00			4431.50		
Jars	5.00			4436.50		
Safety Joint	2.50			4439.00		
Packer	5.00			4444.00	27.50	Bottom Of Top Packer
Packer	4.00			4448.00		
Stubb	1.00			4449.00		
Perforations	6.00			4455.00		
Recorder	0.00	8018	Inside	4455.00		
Recorder	0.00	6751	Outside	4455.00		
Bullnose	3.00			4458.00	10.00	Bottom Packers & Anchor
Total Tool Length:	**37.50**					

Serial #: 8018 **Inside** Culbreath Oil & Gas Deines #1-29 DST Test Number: 2



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