



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1070569  
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: \_\_\_\_\_

1070569

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
--	---

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	--	---

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 19, 2011

Glenna Lowe  
Trans Pacific Oil Corporation  
100 S MAIN STE 200  
WICHITA, KS 67202-3735

Re: ACO1  
API 15-165-21939-00-00  
Cumberland A 1-10  
SE/4 Sec.10-16S-20W  
Rush 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,  
Glenna Lowe

**Well:** Cumberland A 1-10

**STR:** 10-16S-20W

**Cty:** Rush

**State:** Kansas

Log Tops:

Anhydrite	1385' ( +759) -7'
B/Anhydrite	1424' ( +720) NA
Topeka	3192' (-1048) -7'
Heebner	3481' (-1337) -5'
Lansing	3522' (-1379) -4'
BKC	3781' (-1637) -6'
Cherokee Sand	3895' (-1751) NA
Arbuckle	3899' (-1755) -7'
RTD	3902' (-1758)

# ALLIED CEMENTING CO., LLC. 037348

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Cement Benders

DATE <u>8-24-11</u>	SEC. <u>10</u>	TWP. <u>16S</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30pm</u>	JOB FINISH <u>2:00pm</u>
CUMBERLAND LEASE <u>A</u>	WELL # <u>1-10</u>	LOCATION <u>McCracken &amp; North to Curve</u>		COUNTY <u>Rush</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one) <u>NEW</u> <u>East 2 north NW into</u>							

CONTRACTOR Pirexcell Drilling OWNER Transpacfire oil Corp.  
 TYPE OF JOB Surface  
 HOLE SIZE 17 1/4 T.D. 695  
 CASING SIZE 8 5/8 23# DEPTH 695  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH 695  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 42,666 Feet  
 PERFS.  
 DISPLACEMENT Freshwater

**EQUIPMENT**

PUMP TRUCK CEMENTER Bob D. Wayne D.  
 # 366 HELPER Doug - Wayne D.  
 BULK TRUCK  
 # 344-170 DRIVER Jacob  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

Pipe on bottom break circulation with Rig  
and 1 Mia 400 so cement 3% ce 2% gel  
shut down release plug and displace with 41,556bl  
Freshwater and shut in  
Cement did circulate

**CEMENT**  
 AMOUNT ORDERED 400 so Com 3% ce  
2% gel

COMMON	<u>400</u>	@	<u>16.25</u>	<u>6,500.00</u>
POZMIX		@		
GEL	<u>7</u>	@	<u>21.25</u>	<u>148.75</u>
CHLORIDE	<u>14</u>	@	<u>58.20</u>	<u>814.80</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>421</u>	@	<u>2.25</u>	<u>947.25</u>
MILEAGE	<u>421 x 25 x 1.1</u>	@		<u>1,157.25</u>
			TOTAL	<u>9,568.50</u>

**SERVICE**

DEPTH OF JOB	<u>695</u>			
PUMP TRUCK CHARGE				<u>1,125.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>HUM 50</u>	@	<u>300</u>	<u>350.00</u>
MANIFOLD		@		
<u>hvm 50</u>		@	<u>4.00</u>	<u>200.00</u>
		@		

**RECEIVED**

**SEP 06 2011**

**PLUG & FLOAT EQUIPMENT**

BY Bob D. Wayne  
Bob D. Wayne  
Battle Plate

CHARGE TO: Transpacfire oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL



JOB LOG

SWIFT Services, Inc.

CUSTOMER	WELL NO.	LEASE	JOB TYPE	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
Trans Pac	A #1	Spur Lumberland	Cement Port Collar					
10:30		278	5 1/2					On location w/ 175 STS SWD cut
		1000	1000					Set up Tnk - Port Collar @ 1995'
		2	2					Test P.C. Closed
								Open P.C
								Have to Test - Close Ann
								Start H <sub>2</sub> O - Inj rate
		3	2			300		Have 6 hrs @ 6.88) Have need to Ann
		3	2			300		Start SWD cut -
		83	10	95		100		@ 150 STS have cut into PT.
		10	150			150		Mix Last 25 STS @ 13 1/2 gal
		6 1/2				200		Fia conf
						1000		Displ 6 1/2 881
								Close P.C - Test Closed - OK
		2 1/2	25					Ris Run 4 Jts Hg
								Rev-out 2 plugs & Clean
								Job Complete
								Wash up & Rack up
								25 STS to PT
		12:30						cut
								Abdul Man, Brian & Joe

RECEIVED

SEP 17 2011

BY \_\_\_\_\_



## DRILL STEM TEST REPORT

Prepared For: **Trans Pacific Oil Corporation**

100 South Main  
Suite 200  
Wichita, Kansas 67202+3735

ATTN: Bryce Bidleman

**10/16S/20W/Rush**

**#1-10 Cumberland "A"**

Start Date: 2011.08.28 @ 07:10:00

End Date: 2011.08.28 @ 14:35:00

Job Ticket #: 15839                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.08.28 @ 12:58:38





# DRILL STEM TEST REPORT

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15839 **DST#: 1**  
 Test Start: 2011.08.28 @ 07:10:00

## GENERAL INFORMATION:

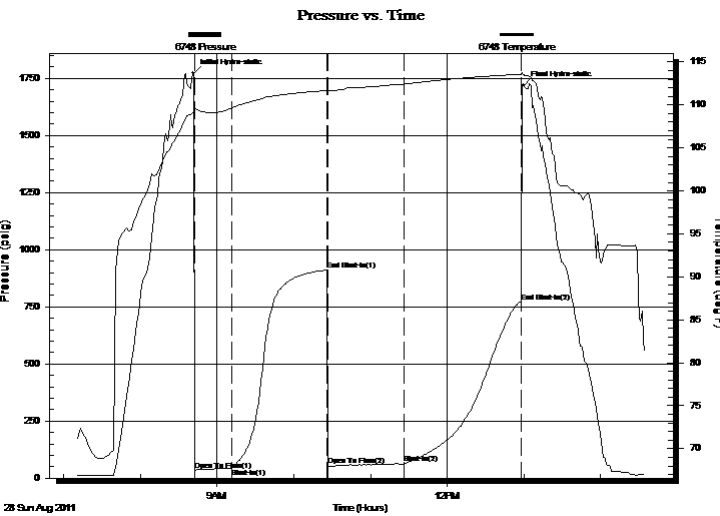
Formation: **Lansing zone B**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:42:30  
 Time Test Ended: 14:35:00  
 Interval: **3534.00 ft (KB) To 3555.00 ft (KB) (TVD)**  
 Total Depth: 3555.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Hays/  
 Reference Elevations: 2144.00 ft (KB)  
 2137.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 6748

## Outside

Press @ Run Depth: 62.93 psig @ 3552.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2011.08.28 End Date: 2011.08.28 Last Calib.: 2011.08.28  
 Start Time: 07:10:00 End Time: 14:35:00 Time On Btm: 2011.08.28 @ 08:41:30  
 Time Off Btm: 2011.08.28 @ 13:00:00

TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow built to 5 inches in bucket of water  
 1ST Shut In 75 Minutes/No blow back  
 2ND Open 60 Minutes/Fair blow/Blow built to bottom of bucket in 53 minutes  
 2ND Shut In 90 Minutes/No blow back



## PRESSURE SUMMARY

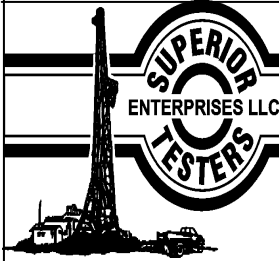
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.83	109.24	Initial Hydro-static
1	34.27	109.43	Open To Flow (1)
30	44.07	109.68	Shut-In(1)
105	911.85	111.68	End Shut-In(1)
106	54.29	111.59	Open To Flow (2)
165	62.93	112.43	Shut-In(2)
257	773.30	113.54	End Shut-In(2)
259	1720.36	113.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gas in pipe 100%	0.73
70.00	Watery Oil cut Mud	1.02
0.00	Water 30% Oil 30% Mud 40%	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15839 **DST#: 1**  
 Test Start: 2011.08.28 @ 07:10:00

## GENERAL INFORMATION:

Formation: **Lansing zone B**  
 Deviated: No Whipstock: \_\_\_\_\_ ft (KB)  
 Time Tool Opened: 08:42:30  
 Time Test Ended: 14:35:00  
 Interval: **3534.00 ft (KB) To 3555.00 ft (KB) (TVD)**  
 Total Depth: 3555.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Hays/  
 Reference Elevations: 2144.00 ft (KB)  
 2137.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 6749

Inside

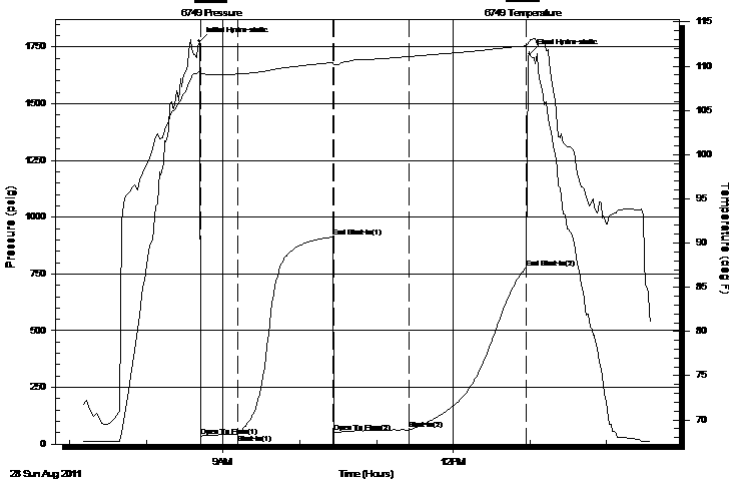
Press @ Run Depth: 776.27 psig @ 3551.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2011.08.28 End Date: 2011.08.28 Last Calib.: 2011.08.28  
 Start Time: 07:10:00 End Time: 14:34:30 Time On Btm: 2011.08.28 @ 08:41:30  
 Time Off Btm: 2011.08.28 @ 13:00:00

TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow built to 5 inches in bucket of water  
 1ST Shut In 75 Minutes/No blow back  
 2ND Open 60 Minutes/Fair blow/Blow built to bottom of bucket in 53 minutes  
 2ND Shut In 90 Minutes/No blow back

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.22	109.51	Initial Hydro-static
1	35.27	109.15	Open To Flow (1)
31	44.93	109.11	Shut-In(1)
105	912.72	110.41	End Shut-In(1)
106	54.12	110.20	Open To Flow (2)
164	63.17	111.09	Shut-In(2)
256	776.27	112.29	End Shut-In(2)
259	1719.18	112.91	Final Hydro-static

Pressure vs. Time



## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gas in pipe 100%	0.73
70.00	Watery Oil cut Mud	1.02
0.00	Water 30% Oil 30% Mud 40%	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15839      **DST#: 1**  
 Test Start: 2011.08.28 @ 07:10:00

**Tool Information**

Drill Pipe:	Length: 3530.00 ft	Diameter: 3.88 inches	Volume: 51.62 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 51.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3534.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			3519.00	
HYD S.I. Tool	5.00			3524.00	
Packer	5.00			3529.00	20.00      Bottom Of Top Packer
Packer	5.00			3534.00	
Anchor	16.00			3550.00	
Recorder	1.00	6749	Inside	3551.00	
Recorder	1.00	6748	Outside	3552.00	
Bull plug	3.00			3555.00	21.00      Bottom Packers & Anchor

**Total Tool Length: 41.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15839      **DST#: 1**  
 Test Start: 2011.08.28 @ 07:10:00

### Mud and Cushion Information

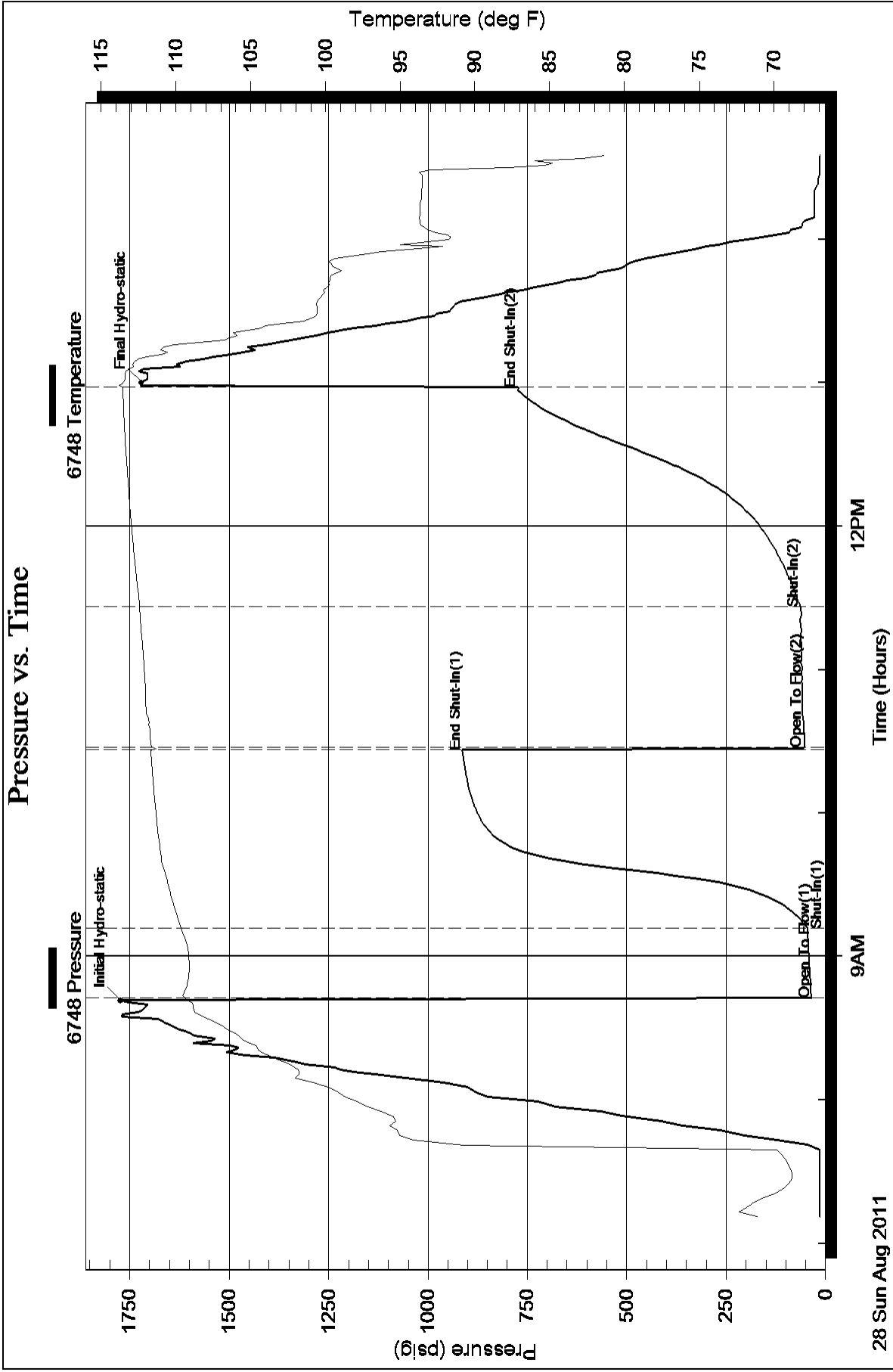
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7100.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

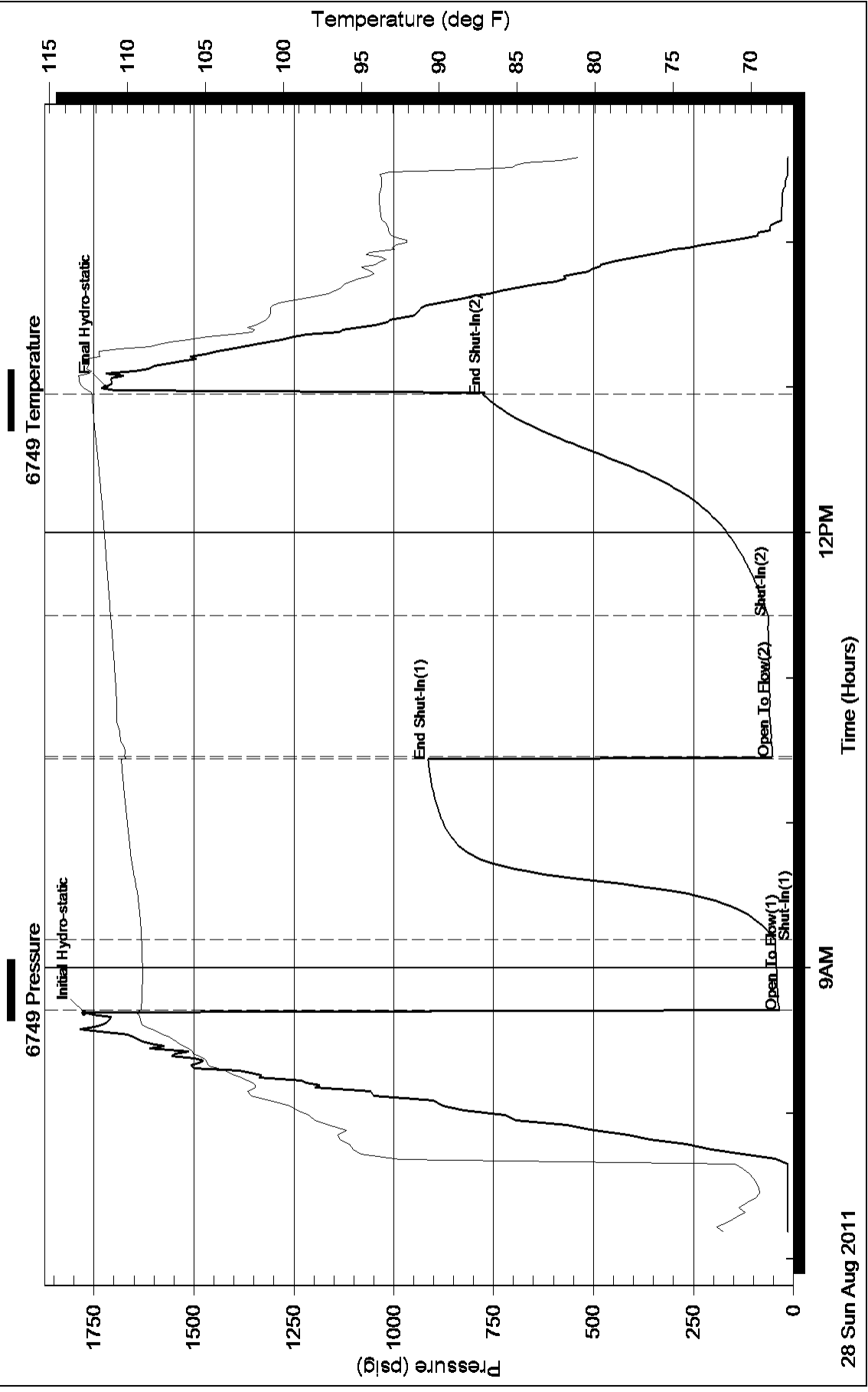
Recovery Table

Length ft	Description	Volume bbl
50.00	Gas in pipe 100%	0.731
70.00	Watery Oil cut Mud	1.024
0.00	Water 30% Oil 30% Mud 40%	0.000

Total Length: 120.00 ft      Total Volume: 1.755 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Trans Pacific Oil Corporation**

100 South Main  
Suite 200  
Wichita, Kansas 67202+3735

ATTN: Bryce Bidleman

**10/16S/20W/Rush**

**#1-10 Cumberland "A"**

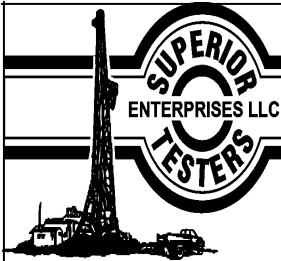
Start Date: 2011.08.29 @ 16:30:00

End Date: 2011.08.30 @ 00:24:30

Job Ticket #: 15840                      DST #: 2

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.08.29 @ 22:48:53



# DRILL STEM TEST REPORT

Trans Pacific Oil Corporation

**#1-10 Cumberland "A"**

100 South Main  
Suite 200  
Wichita, Kansas 67202+3735  
ATTN: Bryce Bidleman

**10/16S/20W/Rush**

Job Ticket: 15840      **DST#: 2**  
Test Start: 2011.08.29 @ 16:30:00

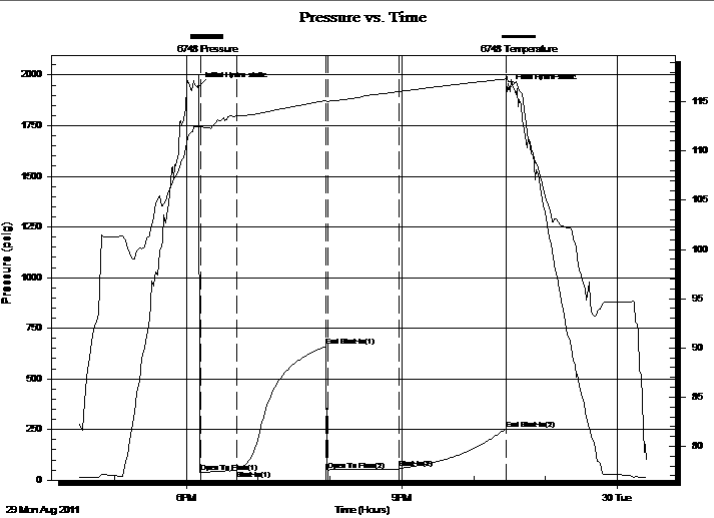
## GENERAL INFORMATION:

Formation:	<b>Cherokee Sand</b>	
Deviated:	No Whipstock:	ft (KB)
Time Tool Opened:	18:12:00	
Time Test Ended:	00:24:30	
Interval:	<b>3873.00 ft (KB) To 3897.00 ft (KB) (TVD)</b>	Test Type: Conventional Bottom Hole (Initial)
Total Depth:	3897.00 ft (KB) (TVD)	Tester: Ken Swinney
Hole Diameter:	7.88 inches	Unit No: 3325 Hays/58
Hole Condition:	Fair	Reference Elevations: 2144.00 ft (KB)
		2137.00 ft (CF)
		KB to GR/CF: 7.00 ft

## Serial #: 6748      Outside

Press @ Run Depth:	56.27 psig @ 3894.00 ft (KB)	Capacity:	5000.00 psig
Start Date:	2011.08.29	End Date:	2011.08.30
Start Time:	16:30:00	End Time:	00:24:30
		Last Calib.:	2011.08.29
		Time On Btm:	2011.08.29 @ 18:10:00
		Time Off Btm:	2011.08.29 @ 22:29:30

**TEST COMMENT:** 1ST Open      30 Minutes/Weak blow /Blow built to 2 1/2 inches in bucket of water  
 1ST Shut In      75 Minutes/No blow back  
 2ND Open      60 Minutes/Weak blow /Blow built to just below surface  
 2ND Shut In      90 Minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.73	112.49	Initial Hydro-static
2	39.29	112.51	Open To Flow (1)
32	46.97	113.55	Shut-In(1)
107	660.29	115.13	End Shut-In(1)
108	50.92	115.04	Open To Flow (2)
168	56.27	116.04	Shut-In(2)
257	251.29	117.33	End Shut-In(2)
260	1932.45	117.08	Final Hydro-static

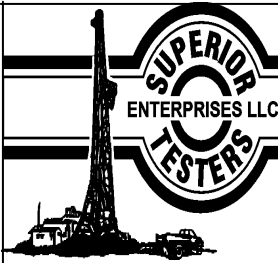
## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean oil	0.07
40.00	Oil cut Mud 5% Oil 95% Mud	0.58

## Gas Rates

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





# DRILL STEM TEST REPORT

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15840 **DST#: 2**  
 Test Start: 2011.08.29 @ 16:30:00

## GENERAL INFORMATION:

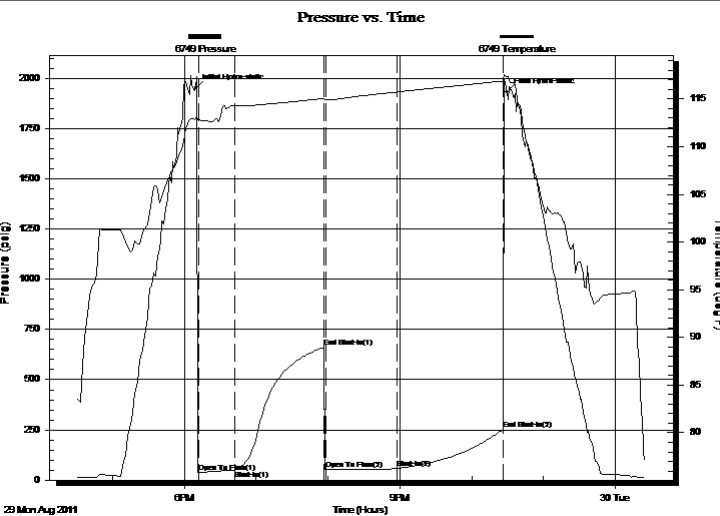
Formation: **Cherokee Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:12:00  
 Time Test Ended: 00:24:30  
 Interval: **3873.00 ft (KB) To 3897.00 ft (KB) (TVD)**  
 Total Depth: 3897.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Hays/58  
 Reference Elevations: 2144.00 ft (KB)  
 2137.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 6749

Inside

Press @ Run Depth: 251.20 psig @ 3893.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2011.08.29 End Date: 2011.08.30 Last Calib.: 2011.08.29  
 Start Time: 16:30:00 End Time: 00:24:30 Time On Btm: 2011.08.29 @ 18:09:30  
 Time Off Btm: 2011.08.29 @ 22:29:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 2 1/2 inches in bucket of water  
 1ST Shut In 75 Minutes/No blow back  
 2ND Open 60 Minutes/Weak blow /Blow built to just below surface  
 2ND Shut In 90 Minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.84	112.92	Initial Hydro-static
3	38.58	112.81	Open To Flow (1)
33	48.10	114.33	Shut-In(1)
107	661.75	115.06	End Shut-In(1)
109	51.76	114.89	Open To Flow (2)
168	57.26	115.74	Shut-In(2)
258	251.20	116.89	End Shut-In(2)
260	1930.87	117.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean oil	0.07
40.00	Oil cut Mud 5% Oil 95% Mud	0.58

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15840      **DST#: 2**  
 Test Start: 2011.08.29 @ 16:30:00

**Tool Information**

Drill Pipe:	Length: 3875.00 ft	Diameter: 3.88 inches	Volume: 56.67 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 56.67 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	3873.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			3858.00	
HYD S.I. Tool	5.00			3863.00	
Packer	5.00			3868.00	20.00      Bottom Of Top Packer
Packer	5.00			3873.00	
Anchor	19.00			3892.00	
Recorder	1.00	6749	Inside	3893.00	
Recorder	1.00	6748	Outside	3894.00	
Bull plug	3.00			3897.00	24.00      Bottom Packers & Anchor

**Total Tool Length: 44.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Trans Pacific Oil Corporation

**#1-10 Cumberland "A"**

100 South Main  
Suite 200  
Wichita, Kansas 67202+3735  
ATTN: Bryce Bidleman

**10/16S/20W/Rush**

Job Ticket: 15840

**DST#: 2**

Test Start: 2011.08.29 @ 16:30:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 58.00 sec/qt  
Water Loss: 11.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 9800.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Clean oil	0.073
40.00	Oil cut Mud 5% Oil 95% Mud	0.585

Total Length: 45.00 ft      Total Volume: 0.658 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

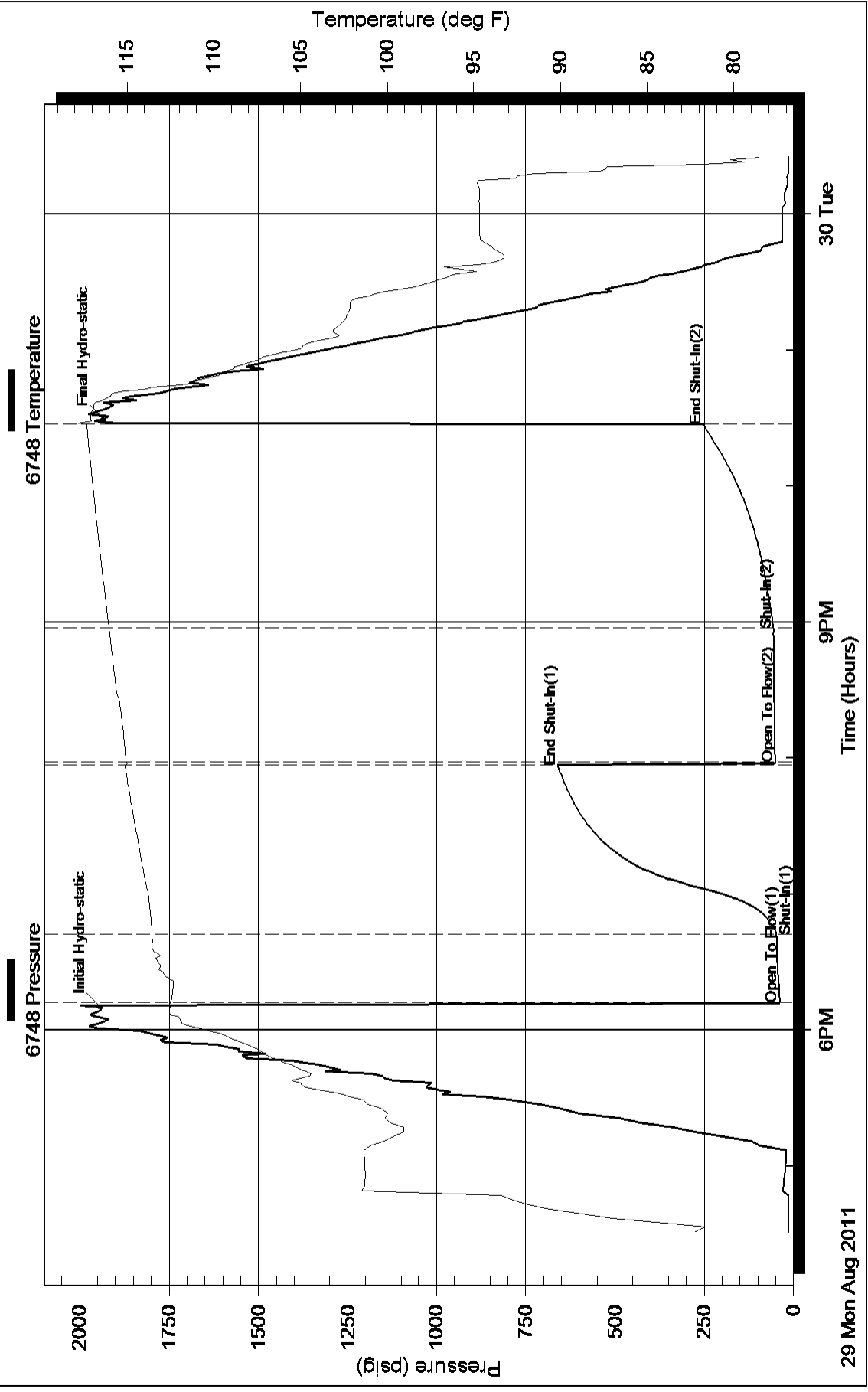
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



Serial #: 6749

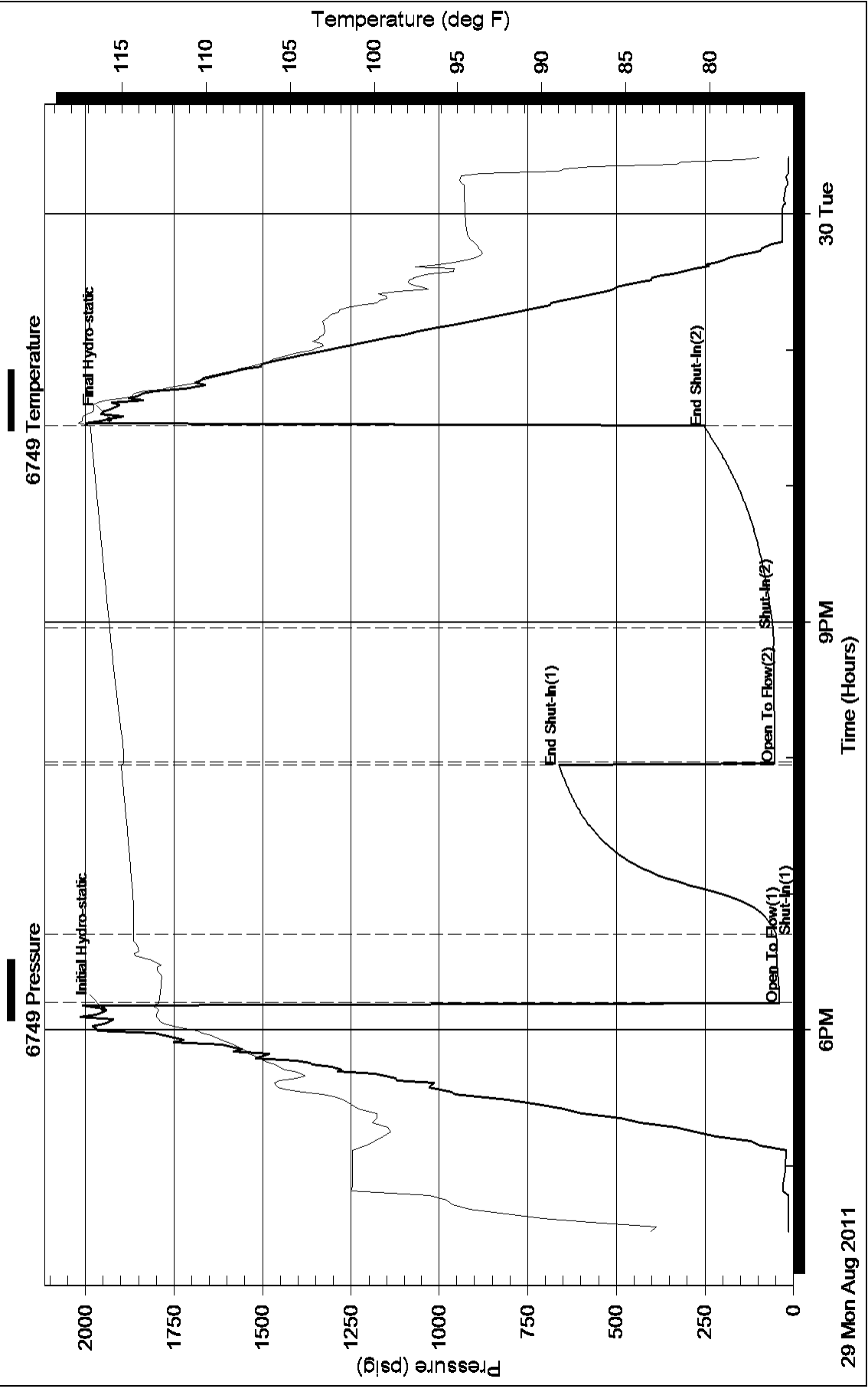
Inside

Trans Pacific Oil Corporation

10/16S20W/Rush

DST Test Number: 2

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Trans Pacific Oil Corporation**

100 South Main  
Suite 200  
Wichita, Kansas 67202+3735

ATTN: Bryce Bidleman

**10/16S/20W/Rush**

**#1-10 Cumberland "A"**

Start Date: 2011.08.30 @ 08:00:00

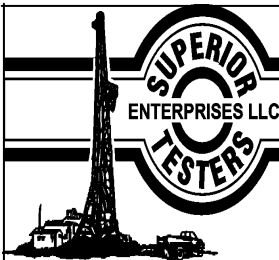
End Date: 2011.08.30 @ 18:59:30

Job Ticket #: 15841                      DST #: 3

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.08.30 @ 17:22:38

Trans Pacific Oil Corporation  
#1-10 Cumberland "A"  
10/16S/20W/Rush  
DST # 3  
Arbuckle  
2011.08.30



# DRILL STEM TEST REPORT

Trans Pacific Oil Corporation

**#1-10 Cumberland "A"**

100 South Main  
Suite 200  
Wichita, Kansas 67202+3735  
ATTN: Bryce Bidleman

**10/16S/20W/Rush**

Job Ticket: 15841

**DST#: 3**

Test Start: 2011.08.30 @ 08:00:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:39:30

Time Test Ended: 18:59:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Hays/58

**Interval: 3902.00 ft (KB) To 3872.00 ft (KB) (TVD)**

Reference Elevations: 2144.00 ft (KB)

Total Depth: 3902.00 ft (KB) (TVD)

2137.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 6748 Outside**

Press @ Run Depth: 952.26 psig @ 3929.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.08.30

End Date: 2011.08.30

Last Calib.: 2011.08.30

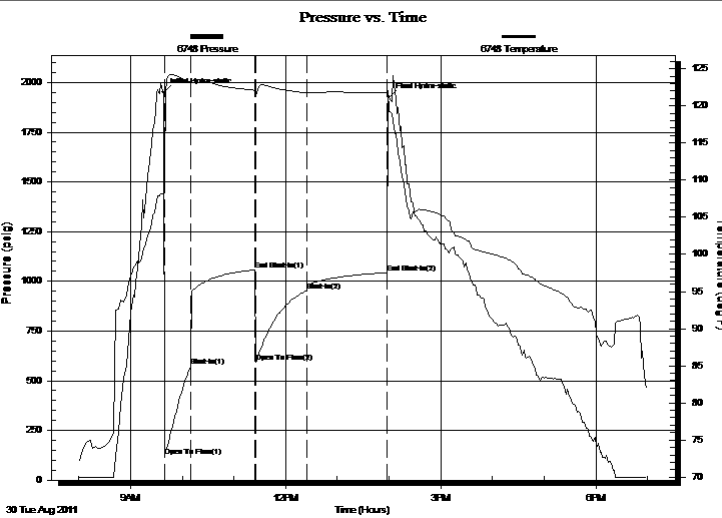
Start Time: 08:00:00

End Time: 18:59:30

Time On Btm: 2011.08.30 @ 09:38:00

Time Off Btm: 2011.08.30 @ 14:00:30

**TEST COMMENT:** 1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute  
 1ST Shut In 75 Minutes/Blow back built to 4 inches in 16 minutes/Slow ly died after 22 min to 2 inches  
 2ND Open 60 Minutes/Strong blow /Blow to bottom of bucket in 1 minute  
 2ND Shut In 90 Minutes/Blow back built to 2 inches in 17 minute/Slow ly died back after 20 min/Died 76 min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.61	108.20	Initial Hydro-static
2	118.57	111.39	Open To Flow (1)
32	576.12	123.10	Shut-In(1)
107	1057.70	122.09	End Shut-In(1)
108	593.62	121.77	Open To Flow (2)
167	952.26	121.80	Shut-In(2)
260	1042.93	121.74	End Shut-In(2)
263	1924.58	119.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	540 feet gas in pipe	0.00
1240.00	Clean Gassy Oil	18.13
0.00	Gas 35% Oil 65%	0.00
1208.00	Slightly mud cut gassy oil	17.67
0.00	5% Mud 35% Gas 60% Oil	0.00
186.00	Gassy Mud cut Oil	2.72

## Gas Rates

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



# DRILL STEM TEST REPORT

Trans Pacific Oil Corporation

**#1-10 Cumberland "A"**

100 South Main  
Suite 200  
Wichita, Kansas 67202+3735  
ATTN: Bryce Bidleman

**10/16S/20W/Rush**

Job Ticket: 15841

**DST#: 3**

Test Start: 2011.08.30 @ 08:00:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:39:30

Time Test Ended: 18:59:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Hays/58

**Interval: 3902.00 ft (KB) To 3872.00 ft (KB) (TVD)**

Reference Elevations: 2144.00 ft (KB)

Total Depth: 3902.00 ft (KB) (TVD)

2137.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 6749 Inside**

Press @ RunDepth: 1042.35 psig @ 3928.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.08.30

End Date: 2011.08.30

Last Calib.: 2011.08.30

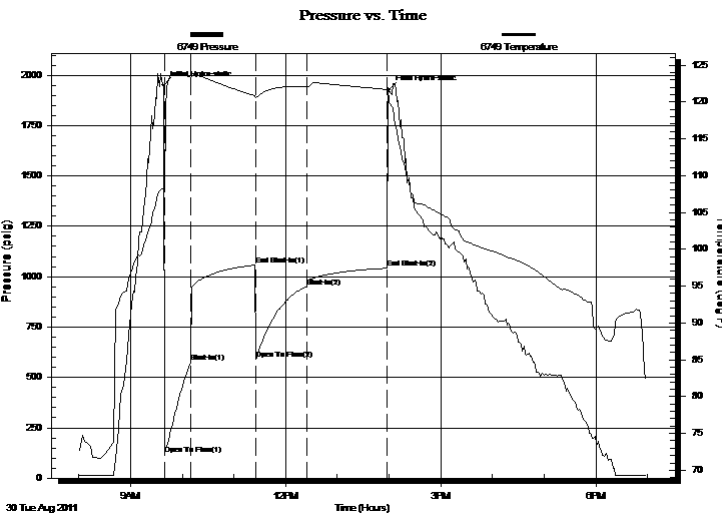
Start Time: 08:00:00

End Time: 18:59:30

Time On Btm: 2011.08.30 @ 09:38:00

Time Off Btm: 2011.08.30 @ 14:00:30

**TEST COMMENT:** 1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute  
 1ST Shut In 75 Minutes/Blow back built to 4 inches in 16 minutes/Slow ly died after 22 min to 2 inches  
 2ND Open 60 Minutes/Strong blow /Blow to bottom of bucket in 1 minute  
 2ND Shut In 90 Minutes/Blow back built to 2 inches in 17 minute/Slow ly died back after 20 min/Died 76 min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.57	108.19	Initial Hydro-static
2	116.78	107.76	Open To Flow (1)
32	574.62	123.31	Shut-In(1)
107	1056.56	120.82	End Shut-In(1)
108	591.37	120.63	Open To Flow (2)
167	951.42	122.05	Shut-In(2)
260	1042.35	121.67	End Shut-In(2)
263	1928.11	119.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	540 feet gas in pipe	0.00
1240.00	Clean Gassy Oil	18.13
0.00	Gas 35% Oil 65%	0.00
1208.00	Slightly mud cut gassy oil	17.67
0.00	5% Mud 35% Gas 60% Oil	0.00
186.00	Gassy Mud cut Oil	2.72

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15841      **DST#: 3**  
 Test Start: 2011.08.30 @ 08:00:00

**Tool Information**

Drill Pipe:	Length: 3904.00 ft	Diameter: 3.88 inches	Volume: 57.09 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	64000.00 lb
			<u>Total Volume: 57.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3902.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			3887.00	
HYD S.I. Tool	5.00			3892.00	
Packer	5.00			3897.00	20.00      Bottom Of Top Packer
Packer	5.00			3902.00	
Anchor	25.00			3927.00	
Recorder	1.00	6749	Inside	3928.00	
Recorder	1.00	6748	Outside	3929.00	
Bull plug	3.00			3932.00	30.00      Bottom Packers & Anchor

**Total Tool Length: 50.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Trans Pacific Oil Corporation  
 100 South Main  
 Suite 200  
 Wichita, Kansas 67202+3735  
 ATTN: Bryce Bidleman

**#1-10 Cumberland "A"**  
**10/16S/20W/Rush**  
 Job Ticket: 15841      **DST#: 3**  
 Test Start: 2011.08.30 @ 08:00:00

### Mud and Cushion Information

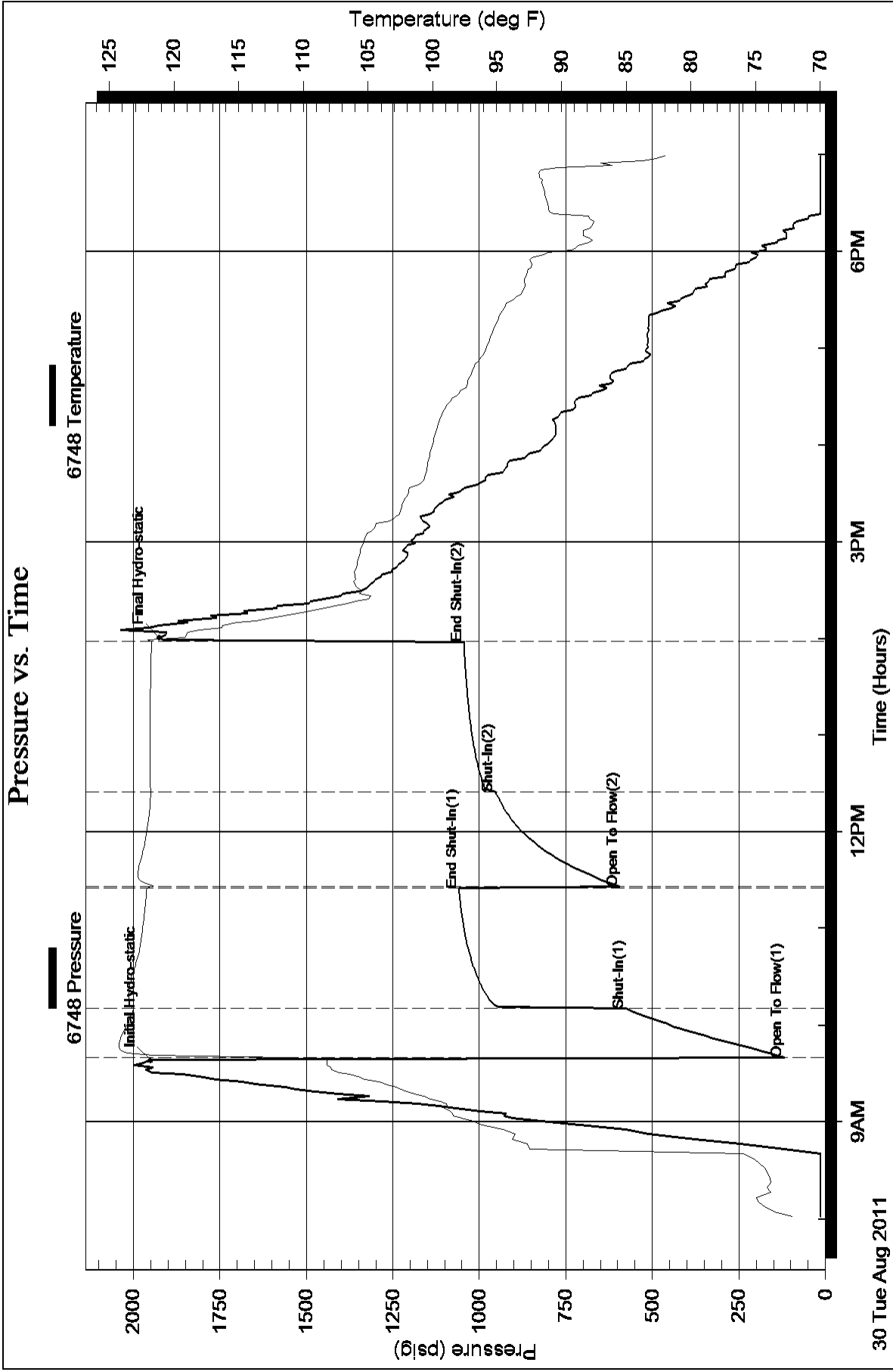
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 16.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10600.00 ppm			
Filter Cake: 2.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	540 feet gas in pipe	0.000
1240.00	Clean Gassy Oil	18.134
0.00	Gas 35% Oil 65%	0.000
1208.00	Slightly mud cut gassy oil	17.666
0.00	5% Mud 35% Gas 60% Oil	0.000
186.00	Gassy Mud cut Oil	2.720
0.00	20% Gas 25% Mud 55% Oil	0.000
0.00	Gravity of oil corrected 40	0.000

Total Length: 2634.00 ft      Total Volume: 38.520 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



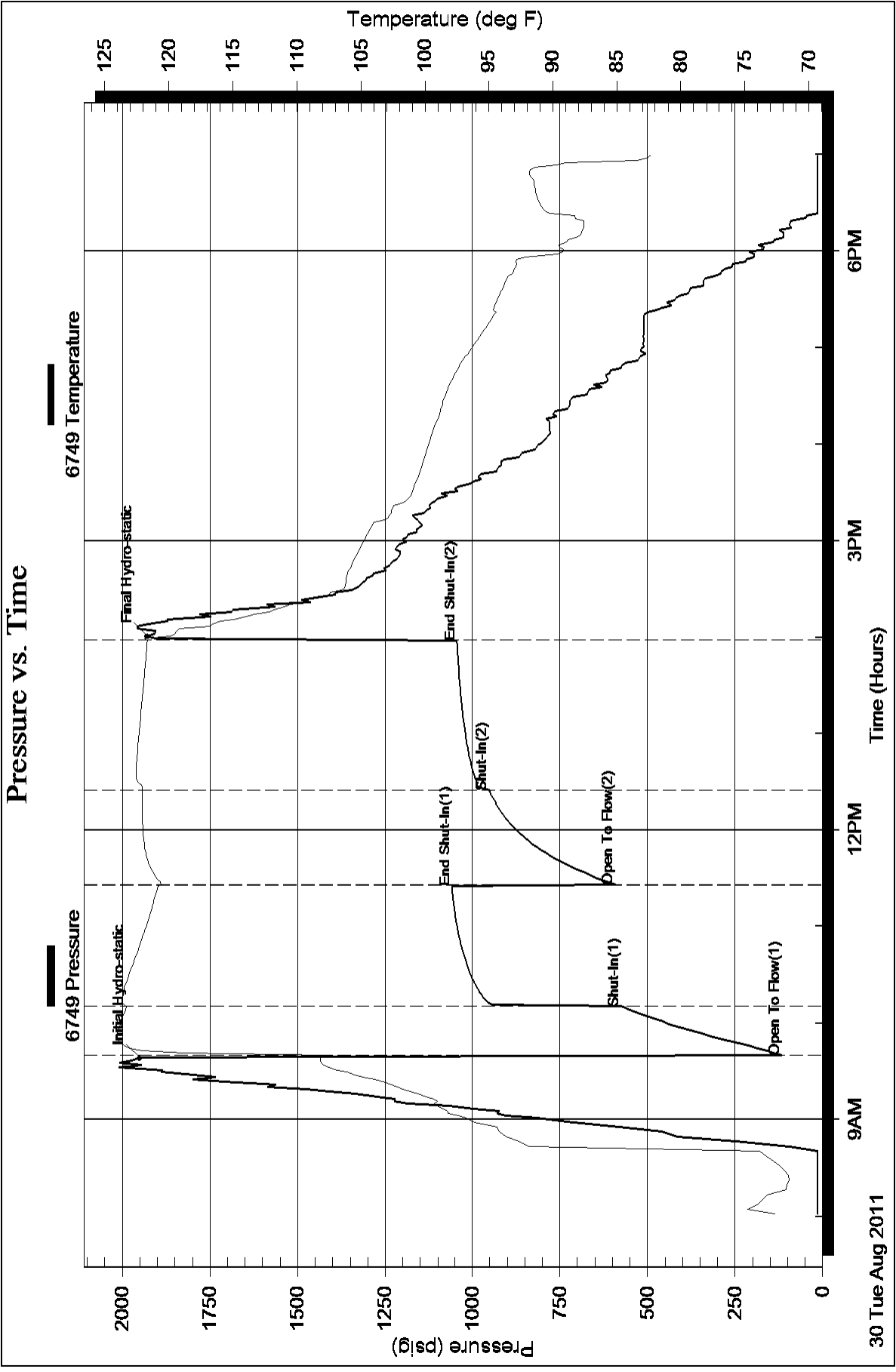
Serial #: 6749

Inside

Trans Pacific Oil Corporation

10/16S20W/Rush

DST Test Number: 3



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Trans Pacific Oil Corp.

LEASE #1-10 Cumberland A

FIELD \_\_\_\_\_

LOCATION NE SE SE

SEC 10 TWP 16S RGE 20W

COUNTY Rush STATE Kansas

CONTRACTOR Dickell Drilling Rig 10

SPID 8/23/11 COMP 8/31/11

RID 3902 LTD 3904

MUD UP 3435' TYPE MUD Chemical

SAMPLES SAVED FROM 3450 TO 75

DRILLING TIME KEPT FROM 3100 TO 75

SAMPLES EXAMINED FROM 3450 TO 75

GEOLOGICAL SUPERVISION FROM 3450 TO 75

GEOLOGIST ON WELL W. Joyce Dillema

ORINATION TOPS LOG

ANhydrite 1385 (-757)

Sandstone 1392 (-759)

Shale 1424 (-723)

Shale 3192 (-1045)

Shale 3192 (-1045)

Shale 3499 (-1383)

Shale 3499 (-1383)

Shale 3519 (-1375)

Shale 3523 (-1379)

Shale 3778 (-1437)

Shale 3778 (-1437)

Shale 3892 (-1748)

Shale 3892 (-1748)

Shale 3902 (-1758)

Shale 3904 (-1760)

Shale 3904 (-1760)

Shale 3904 (-1760)

Shale 3904 (-1760)

Shale 3904 (-1760)

Shale 3904 (-1760)

Shale 3904 (-1760)

Shale 3904 (-1760)

ELEVATIONS

KB 2144

DF 2137

Measurements are All from KB

CASING 6 3/4" 20' / 4 1/2" 11'

PRODUCTION 5.6 @ 3892' / 0.8 @ 3902'

ELECTRICAL SURVEYS Log each

Log each

Log each

Log each

Log each

Log each

Log each

Log each

Log each

Log each

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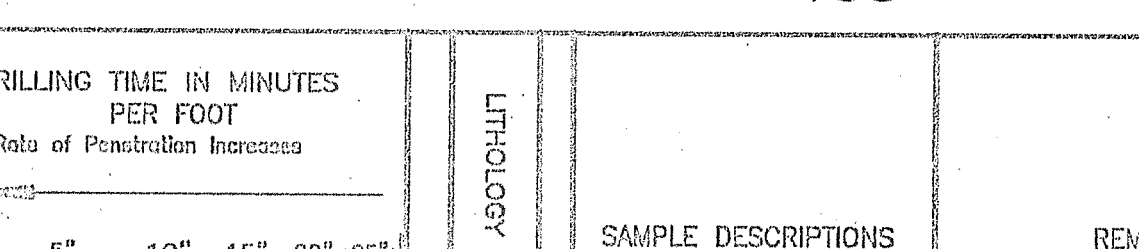
REMARKS

Due to good shows in the Anhydrite dolomite good drill stem test results, 5 1/2" production casing was set 4' off bottom to complete the top of the Anhydrite.

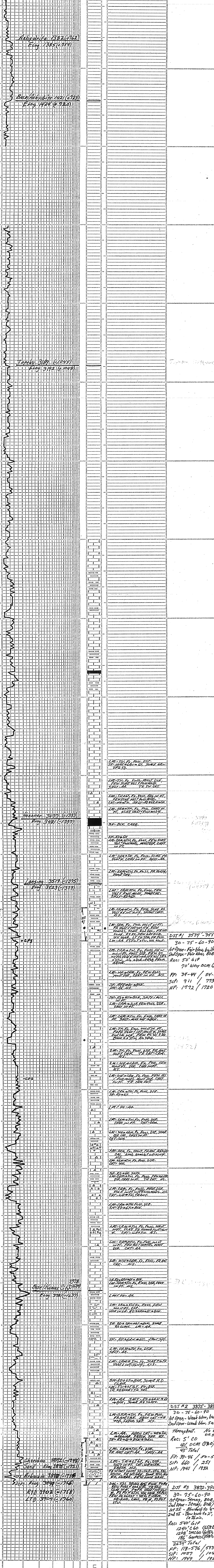
Respectfully,

W. Joyce Dillema

LEGEND



SCALE 1" = 100'



COMPANY Trans Pacific Oil Corp. LEASE #1-10 Cumberland A LOCATION NE SE SE SEC 10 TWP 16S RGE 20W COUNTY Rush STATE Kansas ELEVATION: KB 2144