

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1230998  
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: \_\_\_\_\_

1230998

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

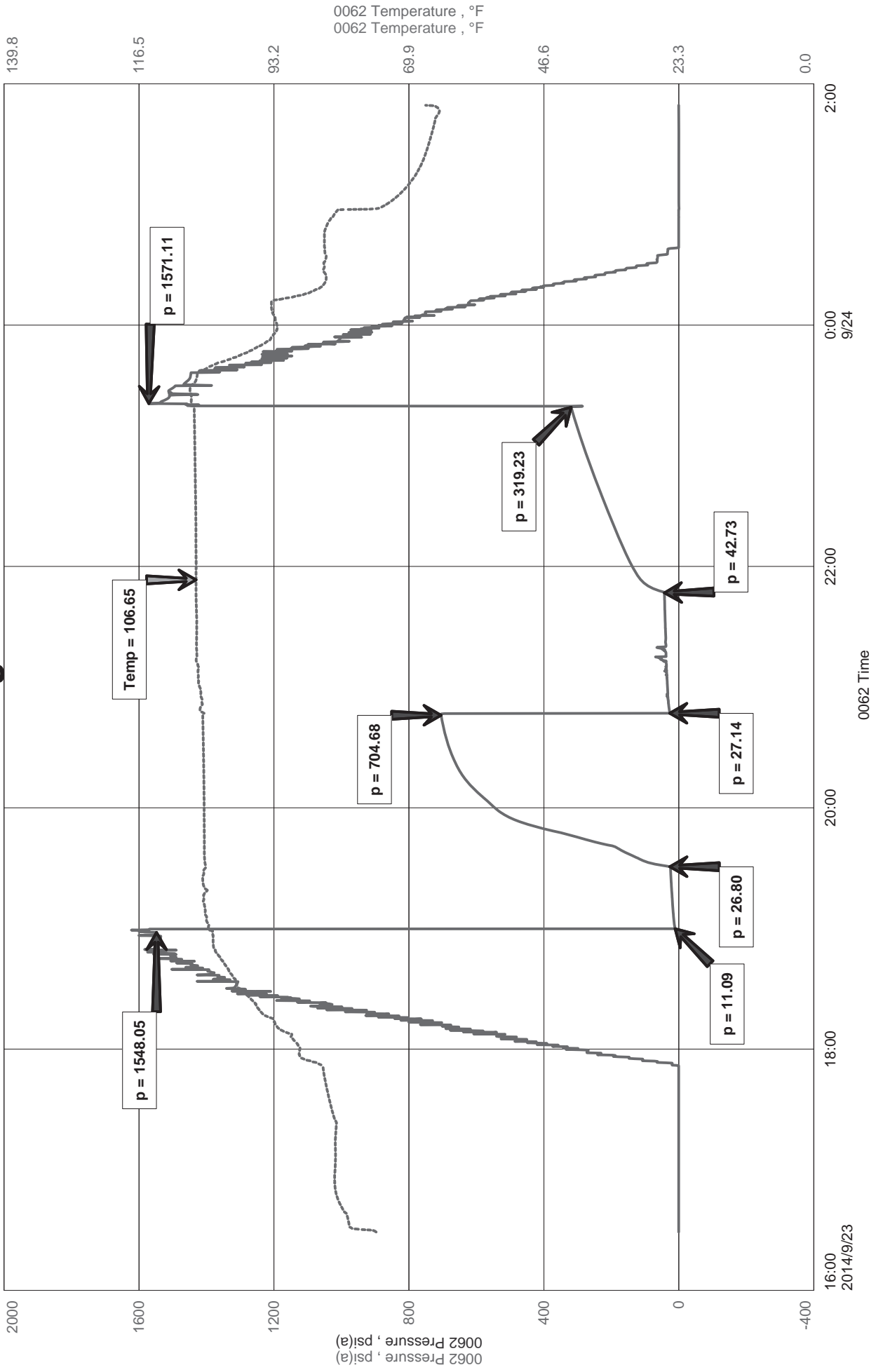
<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Trans Pacific Corporation  
Dst 1 Lan (3161-3248)  
Start Test Date: 2014/09/23  
Final Test Date: 2014/09/24

Ludwig A 1-32  
Formation: Dst 1 Lan (3161-3248)  
Pool: Pool ext  
Job Number: RR090

# Ludwig 1-32





Diamond Testing LLC  
 P.O. Box 157  
 HoisingtonKS 67544

**Ricky Ray - Tester**  
**(620) 617-7261**

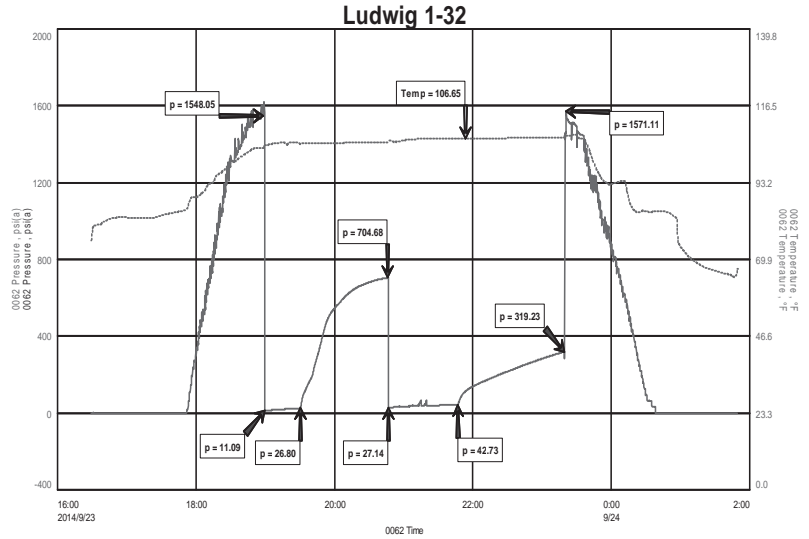
# Wellsite Report

## General Information

Company Name	Trans Pacific Corporation
Contact	Beth A Isern
Well Operator	Trans Pacific Corporation
Well Name	Ludwig A 1-32
Surface Location	Sec: 32-16s-13w (Barton County)
Field	Trapp
Well Type	Vertical
Pool	Pool ext
Test Purpose (AEUB)	Initial Test
Qualified By	Alex Chapin
Gauge Name	0062

## Test Information

Job Number	RR090
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Lan (3161-3248)
Start Test Date	2014/09/23 YYYY/MM/DD
Start Test Time	16:29:00 HH:mm:ss
Final Test Date	2014/09/24 YYYY/MM/DD
Final Test Time	01:48:00 HH:mm:ss



## Test Results

Recovery:

65' M 100% M

Tool Sample: 100% m



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Ludwig A 1-32

TIME ON: 14:29 Sep 23  
TIME OFF: 01:48 Sep 24

Company Trans Pacific Corporation Lease & Well No. Ludwig 1-32  
Contractor Southwind Drilling Charge to Trans Pacific Corporation  
Elevation 1941 Est Formation \_\_\_\_\_ Lan Effective Pay \_\_\_\_\_ Ft. Ticket No. RR090  
Date 09/23/2014 Sec. 32 Twp. \_\_\_\_\_ 16 S Range \_\_\_\_\_ 13 W County \_\_\_\_\_ Barton State KANSAS  
Test Approved By Alexn Chapin Diamond Representative RICKY RAY

Formation Test No. 1 Interval Tested from 3161 ft. to 3248 ft. Total Depth 3248 ft.  
Packer Depth 3156 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3161 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3151 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3229 ft. Recorder Number 5954 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 4700 P.P.M. Drill Pipe Length 3138 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number na Test Tool Length 23 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 87(24P) ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 xh in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB Built to 3 1/4 inches in 30 mins NOBB  
2nd Open: NO Blow Built to 1 3/4 inches in 60 mins NOBB

Recovered 65 ft. of M 100 % M  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: Tool Sample: <u>100 % M</u>	Insurance
	Total

Time Set Packer(s) 7:00PM A.M. P.M. Time Started Off Bottom 11:15PM A.M. P.M. Maximum Temperature 107

Initial Hydrostatic Pressure..... (A) 1548 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 27 P.S.I.  
Initial Closed In Period..... Minutes 75 (D) 705 P.S.I.  
Final Flow Period..... Minutes 60 (E) 27 P.S.I. to (F) 43 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 319 P.S.I.  
Final Hydrostatic Pressure..... (H) 1571 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Ludwig A 1-32 Dst 2

TIME ON: 12:25  
TIME OFF: 21:09

Company Trans Pacific Corporation Lease & Well No. Ludwig A 1-32  
Contractor Southwind Drilling Charge to Trans Pacific Corporation  
Elevation 1941 Est Formation \_\_\_\_\_ Lan "H-I" Effective Pay \_\_\_\_\_ Ft. Ticket No. RR091  
Date 09/24/2014 Sec. 32 Twp. \_\_\_\_\_ 16 S Range \_\_\_\_\_ 13 W County \_\_\_\_\_ Barton State KANSAS  
Test Approved By Alexn Chapin Diamond Representative RICKY RAY

Formation Test No. 2 Interval Tested from 3260 ft. to 3318 ft. Total Depth 3318 ft.  
Packer Depth 3255 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3260 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3250 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3297 ft. Recorder Number 5954 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6700 P.P.M. Drill Pipe Length 3237 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number na Test Tool Length 23 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 58A "26P" ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 xh in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4 Blow BOB in 4 1/4 mins 1 1/4 inch BB  
2nd Open: 3/4" Blow BOB in 3 mins 2 inch BB

Recovered 1748 ft. of GIP  
Recovered 62 ft. of O 100% O 40 Gravity @ 60 Deg  
Recovered 186 ft. of M w/ HGO 30% G 40% O 20% M  
Recovered 248 ft. of Total Fluid

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: Tool Sample: <u>65 % O 35% M</u>	Insurance
	Total

Time Set Packer(s) 2:40 PM A.M. P.M. Time Started Off Bottom 6:55 PM A.M. P.M. Maximum Temperature 108

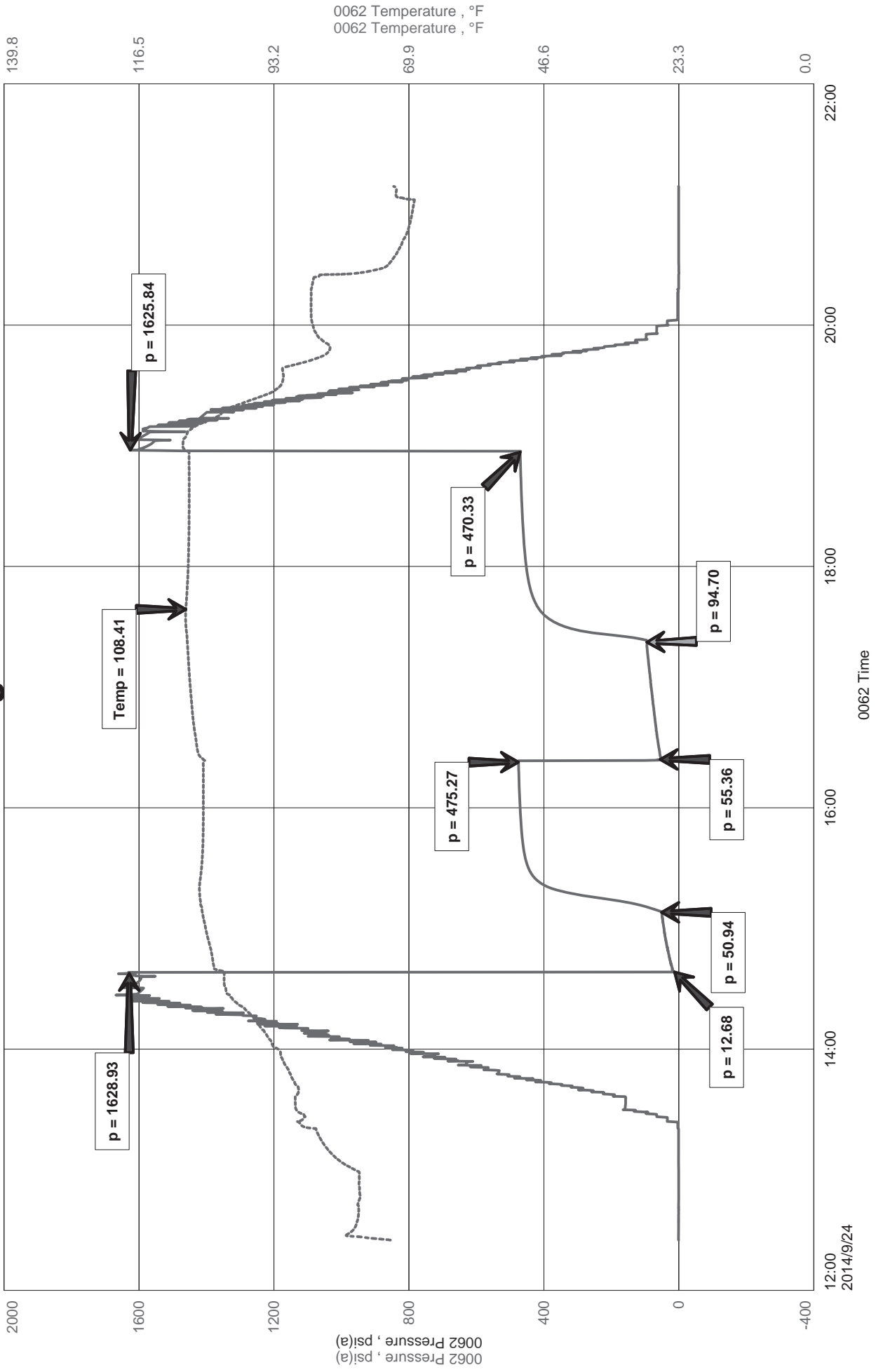
Initial Hydrostatic Pressure..... (A) 1629 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 51 P.S.I.  
Initial Closed In Period..... Minutes 75 (D) 475 P.S.I.  
Final Flow Period..... Minutes 60 (E) 55 P.S.I. to (F) 95 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 470 P.S.I.  
Final Hydrostatic Pressure..... (H) 1626 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

Trans Pacific Corporation  
Dst 2 Lan "H"1 (3260-3318)  
Start Test Date: 2014/09/24  
Final Test Date: 2014/09/24

Ludwig A 1-32  
Formation: Dst 2 Lan "H"1 (3260-3318)  
Pool: Pool Ext  
Job Number: RR091

# Ludwig A 1-32







Diamond Testing LLC  
 P.O. Box 157  
 HoisingtonKS 67544

Ricky Ray - Tester  
 (620) 617-7261

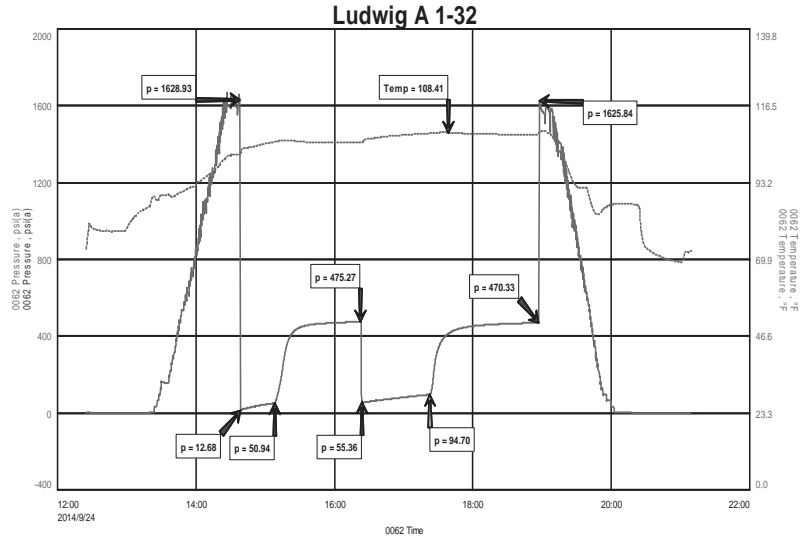
# Wellsite Report

## General Information

Company Name	Trans Pacific Corporation
Contact	Beth A Isern
Well Operator	Trans Pacific Corporation
Well Name	Ludwig A 1-32
Surface Location	Sec: 32-16s-13w (Barton County)
Field	Trapp
Well Type	Vertical
Pool	Pool Ext
Test Purpose (AEUB)	Initial Test
Qualified By	Alex Chapin
Gauge Name	0062

## Test Information

Job Number	RR091
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 2 Lan "H" I (3260-3318)
Start Test Date	2014/09/24 YYYY/MM/DD
Start Test Time	12:25:00 HH:mm:ss
Final Test Date	2014/09/24 YYYY/MM/DD
Final Test Time	21:09:00 HH:mm:ss



## Test Results

### Recovery:

1798'	GIP				
62'	O	100% O	40 Gravity @ 60 Deg		
186'	M w/ HGO	30% G	40% O	20% M	
248'	Total Fluid				

Tool Sample: 65% O 35% M



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Ludwig A 1-32 Dst 3

TIME ON: 05:28  
TIME OFF: 14:48

Company Trans Pacific Corporation Lease & Well No. Ludwig A 1-32  
Contractor Southwind Drilling Charge to Trans Pacific Corporation  
Elevation 1941 Est Formation Lan"J"K Effective Pay \_\_\_\_\_ Ft. Ticket No. RR092  
Date 09/25/2014 Sec. 32 Twp. 16 S Range 13 W County Barton State KANSAS  
Test Approved By Alexn Chapin Diamond Representative RICKY RAY

Formation Test No. 3 Interval Tested from 3314 ft. to 3360 ft. Total Depth 3360 ft.  
Packer Depth 3309 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3314 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3304 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3351 ft. Recorder Number 5954 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6200 P.P.M. Drill Pipe Length 3291 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number na Test Tool Length 23 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 46A (14P) ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 xh in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4 Blow Built to 4 1/2 inches in 30 mins NOBB  
2nd Open: 1/4 Blow Built to 7 1/2 inches in 60 mins NOBB

Recovered 4 ft. of O 100 % O 26 Gravity @ 60 Deg  
Recovered 53 ft. of OM 22% O 78% M  
Recovered 253 ft. of GIP  
Recovered 57 ft. of Total Fluid

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: Tool Sample: <u>42% O</u> <u>58 % M</u>	Insurance
	Total

Time Set Packer(s) 8:21 AM A.M. Time Started Off Bottom 12:36 PM P.M. Maximum Temperature 107

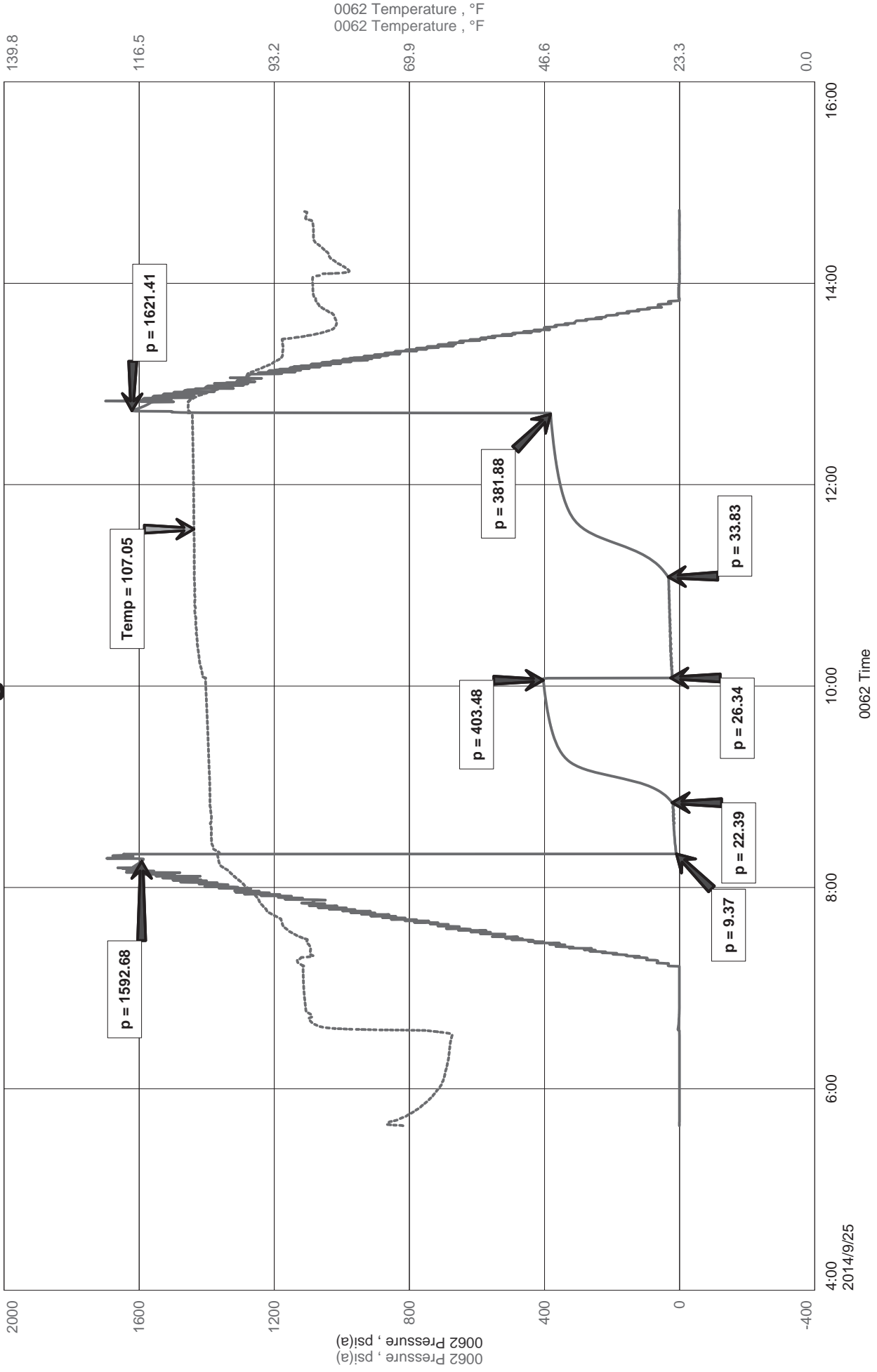
Initial Hydrostatic Pressure..... (A) 1593 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 22 P.S.I.  
Initial Closed In Period..... Minutes 75 (D) 403 P.S.I.  
Final Flow Period..... Minutes 60 (E) 26 P.S.I. to (F) 34 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 382 P.S.I.  
Final Hydrostatic Pressure..... (H) 1621 P.S.I.

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Trans Pacific Corporation  
Dst 3 Lan "J"K (3314-3360)  
Start Test Date: 2014/09/25  
Final Test Date: 2014/09/25

Ludwig A 1-32  
Formation: Dst 3 Lan "J"K (3314-3360)  
Pool: Pool Ext  
Job Number: RR092

# Ludwig A 1-32





Diamond Testing LLC  
 P.O. Box 157  
 HoisingtonKS 67544

Ricky Ray - Tester  
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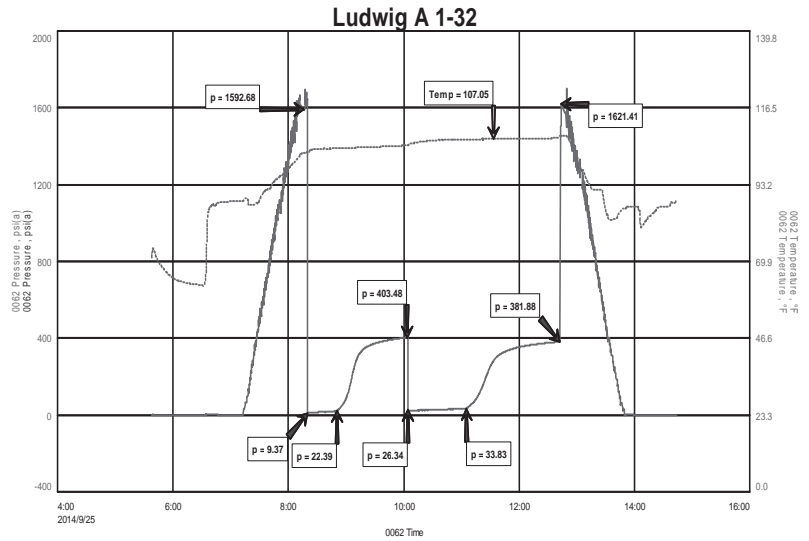
# Wellsite Report

## General Information

Company Name	Trans Pacific Corporation
Contact	Beth A Isern
Well Operator	Trans Pacific Corporation
Well Name	Ludwig A 1-32
Surface Location	Sec: 32-16s-13w (Barton County)
Field	Trapp
Well Type	Vertical
Pool	Pool Ext
Test Purpose (AEUB)	Initial Test
Qualified By	Alex Chapin
Gauge Name	0062

## Test Information

Job Number	RR092
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 3 Lan "J"K (3314-3360)
Start Test Date	2014/09/25 YYYY/MM/DD
Start Test Time	05:38:00 HH:mm:ss
Final Test Date	2014/09/25 YYYY/MM/DD
Final Test Time	14:48:00 HH:mm:ss



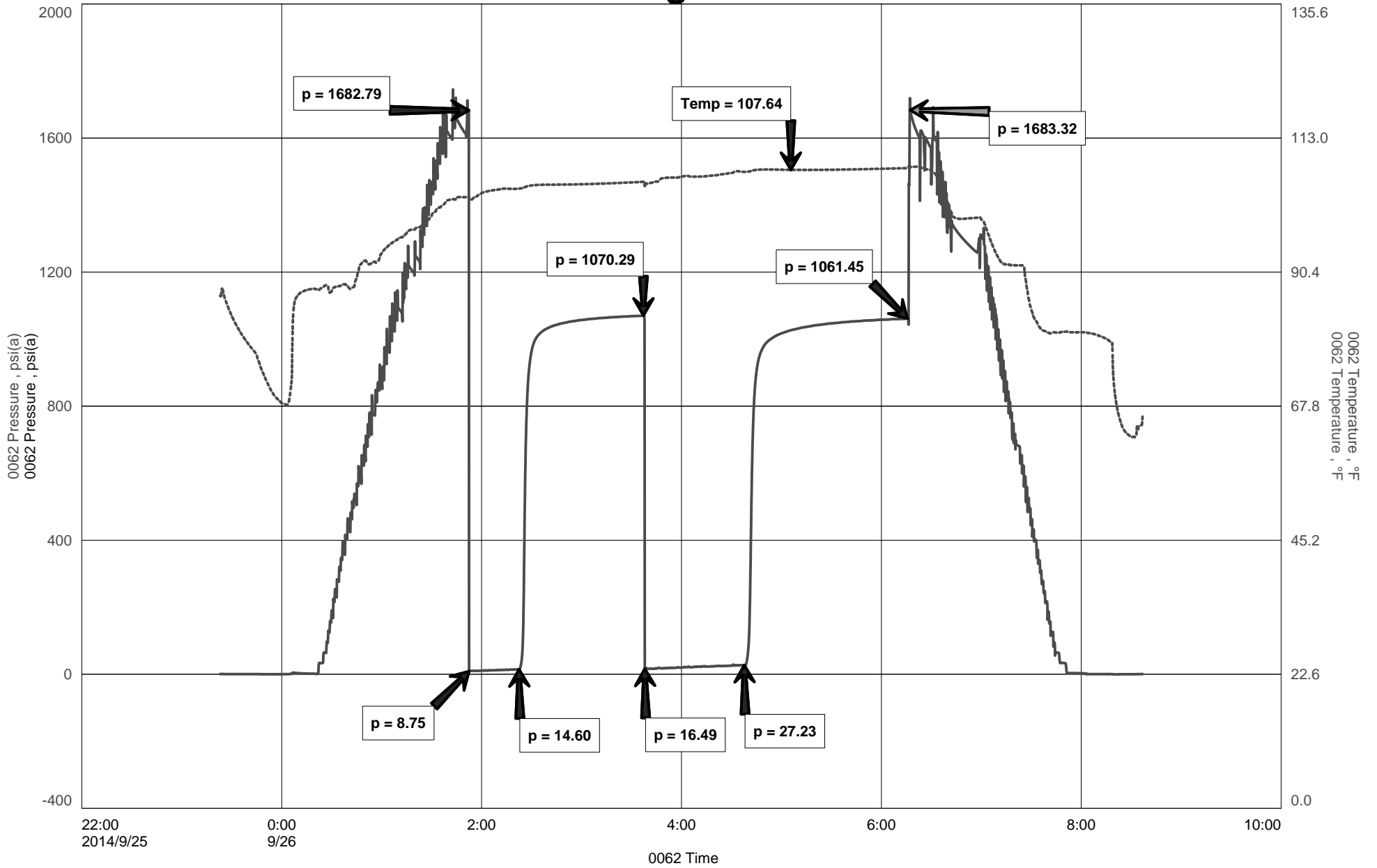
## Test Results

### Recovery:

4'	O	100 % O	26 Gravity @ 60 Deg
53'	OM	22% O	78% M
253'	GIP		
57'	Total Fluid		

Tool Sample: 42% O 58% M

# Ludwig A 1-32



# ALLIED OIL & GAS SERVICES, LLC 063953

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE <u>9-20-14</u>	SEC <u>32</u>	TWP. <u>16</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START <u>4 AM</u>	JOB FINISH <u>4:30 PM</u>
LEASE <u>Living</u>		WELL # <u>A 1-32</u>		LOCATION <u>Susank-15-34 W</u>		COUNTY <u>Barton</u>	STATE <u>TX</u>
OLD OR NEW (Circle one)							

CONTRACTOR Southwind #9  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/2 T.D.  
 CASING SIZE 8 5/8 DEPTH 391  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15 FT  
 PERFS.  
 DISPLACEMENT 23.95 bbl H2O  
 EQUIPMENT  
 PUMP TRUCK CEMENTER Josh Serr  
 # 366 HELPER Brian Lang  
 BULK TRUCK  
 # 544-198 DRIVER John Schweitzer  
 BULK TRUCK  
 # DRIVER

OWNER  
 CEMENT AMOUNT ORDERED 250 50 class A 30cc  
2 1/2 gal

COMMON	<u>250</u>	@ <u>17.90</u>	<u>4,475.00</u>
POZMIX		@	
GEL	<u>470</u>	@ <u>.50</u>	<u>235.00</u>
CHLORIDE	<u>705</u>	@ <u>1.10</u>	<u>775.50</u>
ASC	<u>Materials</u>		<u>5,485.50</u>
	<u>Disc</u>	<u>20%</u>	<u>1,097.10</u>
	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING	<u>270.33</u>	@ <u>2.48</u>	<u>670.42</u>
MILEAGE	<u>12.34 x 22 x 2.25</u>		<u>746.57</u>

**REMARKS:**

On location - Rig up - had soft grouting  
Ran 8 5/8 casing - Break circulator  
pump @ 5 bbl H2O  
Mix 2 1/2 gal class A 30cc 2 1/2 gal  
Displace 23.95 bbl H2O  
no cement in  
Cement did circulate  
Rig down

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>Hum</u>	<u>22 @ 7.70 169.40</u>
MANIFOLD	@
	<u>Hum 22 @ 4.40 96.80</u>
	@

CHARGE TO: Trans Pacific Oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 3,195.44  
Disc 20% 639.09

**PLUG & FLOAT EQUIPMENT**

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

0% TOTAL 0

To: Allied Oil & Gas Services, 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 TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Rick Stabb  
 SIGNATURE X Rick Stabb

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 8,680.94  
 DISCOUNT 30% 1,736.19 (20/20/0)  
IF PAID IN 30 DAYS  
6,944.75



JOB LOG

SWIFT Services, Inc.

DATE 9-26-14 PAGE NO. 1

CUSTOMER TRANS PACIFIC OIL CO. WELL NO. 1-32 LEASE LUDWIG "A" JOB TYPE 5 1/2" LONGSTRING TICKET NO. 26565

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							ON LOCATION
	0130							START 5 1/2" CASING IN WELL
								TD-3386 SET = 3375'
								TP-3378 5 1/2" #14
								ST-14'
								CENTRALIZER-1, 2, 3, 4, 5, 6, 7, 8
								CMT BSKT-2
	0400							BREAK CIRCULATION
	0445				✓		1200	DROP BALL - SET PACKERSHOE
	0445	6	12		✓		400	PUMP 500 GAL MVDFLUSH
	0447	6	20		✓		400	PUMP 20 BBLs KCL FLUSH
	0455		7					PLUG RH (30SKS)
	0505	4	35		✓		200	MAX COMRT - 145 SKS EA-2 @ 15.5 PPG
	0515							WASH OUT PUMP - LINES
	0515							RELEASE LATCH DOWN PLUG
	0517	7	0		✓		0	DISPLACE PLUG
		7	80				700	
	0530	6	82				1500	PLUG DOWN - PSZ UP LATCH IN PLUG
	0535						OK	RELEASE PSZ - HEAD
								WASH TRUCK
	0630							JOB COMPLETE

THANK YOU  
WAYNE, DAVE, PRESTON, JOHN



# Ludwig A Unit 1-32

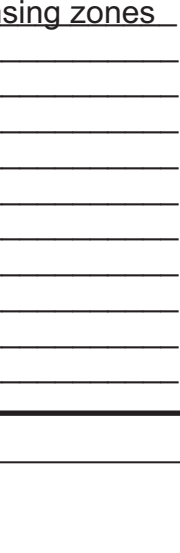
Drilling Report

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Log Tops:

Anhydrite	883' (+1063) +8'
B/Anhydrite	912' (+1034) +6'
Heebner	3065' (-1119) +13'
Lansing	3151' (-1205) +12'
Arbuckle	3370' (-1424) +15'
RTD	3386' (-1440)





**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

Geologist on Well: Alex Chapman

ELEVATIONS  
 LEASE Ludwig A 1-32  
 FIELD Trapd  
 LOCATION 100' ENL & 825' FWL  
 SEC 32 T1WSP 18S R0E 13W  
 COUNTY Barton STATE Kansas  
 CONTRACTOR Southwind Rig 9  
 SPUD 9/18/2014 COMP 9/26/2014

MEASUREMENTS ARE ALL FROM KELLY BUSHING  
 CASING  
 RTD 3386 LTD 3384  
 MUD UP 2700 TYPE MUD CHEMICAL  
 SAMPLES SAVED FROM 2800 TO RTD  
 DRILLING TIME KEPT FROM 2800 TO RTD  
 SAMPLES EXAMINED FROM 2800 TO RTD  
 GEOLOGICAL SUPERVISION FROM 2700

REFERENCE WELL: Perkins #1 Sec 32-16S-13W  
**FORMATION**  
 Anhydrite 886 (+1060) 8853 (+1065)  
 Base Anhydrite 914 (+1052) 912 (+1034)  
 Heebner 3065 (-1119) 3065 (-1119)  
 Limestone 3151 (-1205) 3151 (-1205)  
 Arbuckle 3384 (-1434) 3370 (-1424)

Formation	Sample #1	E-log Tops	Struct
Anhydrite	886 (+1060)	8853 (+1065)	+8
Base Anhydrite	914 (+1052)	912 (+1034)	+6
Heebner	3065 (-1119)	3065 (-1119)	+3
Limestone	3151 (-1205)	3151 (-1205)	+12
Arbuckle	3384 (-1434)	3370 (-1424)	+5

CONDUCTOR	SURFACE
RD	8.87' @ 21.8'
PRODUCTION	5 1/2" @ 3375
ELECTRICAL SURVEYS	
DIL, DUCP	

REMARKS Due to our positive structural position and our encouraging test in multiple Lansing zones and in the Arbuckle, we decided to set 5 1/2" production casing.

**LEGEND**

