KOLAR Document ID: 1457956

Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License #                        |                                | API No.:   |
|--|--------------------------------|--|
| Name:                                      |                                | Spot Description:  |
| Address 1:                                 |                                | SecTwpS. R □East □ West                                  |
| Address 2:                                 |                                | Feet from  |
| City: State:                               | Zip:+                          | Feet from _ East / _ West Line of Section                |
| Contact Person:                            |                                | Footages Calculated from Nearest Outside Section Corner: |
| Phone: ()                                  |                                | □NE □NW □SE □SW  |
| CONTRACTOR: License #                      |                                | GPS Location: Lat:, Long:                                |
| Name:                                      |                                | (e.g. xx.xxxxx) (e.gxxx.xxxxxx)                          |
| Wellsite Geologist:                        |                                | Datum: NAD27 NAD83 WGS84                                 |
| Purchaser:                                 |                                | County:  |
| Designate Type of Completion:              |                                | Lease Name: Well #:                                      |
| New Well Re-Entry                          | Workover                       | Field Name:  |
|  | SWD                            | Producing Formation:                                     |
|  | EOR                            | Elevation: Ground: Kelly Bushing:                        |
|  | GSW                            | Total Vertical Depth: Plug Back Total Depth:             |
| CM (Coal Bed Methane)                      |                                | Amount of Surface Pipe Set and Cemented at: Feet         |
| Cathodic Other (Core, Expl.,               | etc.):                         | Multiple Stage Cementing Collar Used?                    |
| If Workover/Re-entry: Old Well Info as for | ollows:                        | If yes, show depth set: Feet                             |
| Operator:                                  |                                | If Alternate II completion, cement circulated from:      |
| Well Name:                                 |                                | feet depth to:w/sx cmt.                                  |
| Original Comp. Date: C                     | Original Total Depth:          |  |
| Deepening Re-perf.                         | Conv. to EOR Conv. to SWD      | Drilling Fluid Management Plan                           |
| ☐ Plug Back ☐ Liner ☐ (                    | Conv. to GSW Conv. to Producer | (Data must be collected from the Reserve Pit)            |
|  | 9-11                           | Chloride content: ppm Fluid volume: bbls                 |
|  | nit #:                         | Dewatering method used:                                  |
|  | nit #:<br>nit #:               | Location of fluid disposal if hauled offsite:            |
|  | nit #:                         | Location of fluid disposal if flauled offsite.           |
|  | nit #:                         | Operator Name:   |
| _  |                                | Lease Name: License #:                                   |
| Spud Date or Date Reached                  | TD Completion Date or          | Quarter Sec TwpS. R                                      |
| Recompletion Date                          | Recompletion Date              | 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 Drill Stem Tests Received |  |  |  |  |
| Geologist Report / Mud Logs Received            |  |  |  |  |
| UIC Distribution                                |  |  |  |  |
| ALT I II Approved by: Date:                     |  |  |  |  |

KOLAR Document ID: 1457956

#### Page Two

| Operator Name:   |  |                              |                                 |  | Lease Nam  | ne:   |                                    |                               | Well #:  |  |
|--|--|------------------------------|---------------------------------|--|--|---|------------------------------------|-------------------------------|--|--|
| Sec Tw   | pS. F  | R [                          | East                            | West   | County:  |   |                                    |                               |  |  |
| open and closed and flow rates if                        | , flowing and sh<br>gas to surface t<br>ty Log, Final Lo   | nut-in pressurest, along wit | es, whe<br>h final c<br>ain Geo | ther shut-in pre<br>hart(s). Attach<br>physical Data a | essure reached<br>extra sheet if r<br>and Final Electr | station<br>more :<br>ric Loc  | level, hydrosta<br>space is needed | tic pressures,<br>d.          | bottom hole tempe  | val tested, time tool erature, fluid recovery,  Digital electronic log |
| Drill Stem Tests (Attach Addit                           |  |                              | Ye                              | es No  |  | Lo  | og Formatio                        | n (Top), Deptl                | n and Datum  | Sample   |
| Samples Sent to  | Geological Sur   | vey                          | Ye                              | es 🗌 No  |  | Name  | )                                  |                               | Тор  | Datum  |
| Samples Sent to Geological Survey  List All E. Logs Run: |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              | Repo                            |  | RECORD [   | Nev   | w Used rmediate, producti          | on. etc.                      |  |  |
| Purpose of St  |  | ze Hole<br>Orilled           | Siz                             | e Casing<br>(In O.D.)                                  | Weight Lbs. / Ft.                                      |   | Setting<br>Depth                   | Type of Cement                | # Sacks<br>Used  | Type and Percent<br>Additives  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 | ADDITIONAL   | OF MENTING /   |   |                                    |                               |  |  |
| Purpose:   | [  | Depth                        | Typo                            | of Cement  | # Sacks Use  |   | EEZE RECORD                        | Typo a                        | nd Percent Additives   |  |
| Perforate Protect Ca Plug Back                           | Top  | Bottom                       | туре                            | or cement  | # Sacks Use  | ,u  |                                    | туре а                        | ia reicent Additives   |  |
| Plug Off Z   |  |                              |                                 |  |  |   |                                    |                               |  |  |
| Did you perform     Does the volum     Was the hydraul   | e of the total base  | fluid of the hyd             | draulic fra                     | cturing treatmen                                       |  | •   | Yes ns? Yes                        | No (If No                     | , skip questions 2 an<br>, skip question 3)<br>, fill out Page Three o | ,  |
| Date of first Produ                                      | ction/Injection or   | Resumed Produ                | uction/                         | Producing Meth   |  |   | Coolift 0                          | thor (Fundain)                |  |  |
| Estimated Produc   | otion  | Oil Bb                       | le.                             | Flowing<br>Gas   | Pumping  Mcf   | Wate  |                                    | ther <i>(Explain)</i><br>bls. | Gas-Oil Ratio  | Gravity  |
| Per 24 Hours   |  | Oli Bb                       | 15.                             | Gas  | IVICI  | vvale   | ı Di                               | JIS.                          | Gas-Oil Hallo  | Gravity  |
| DISPO  | OSITION OF GAS   | S:                           |                                 | N  | METHOD OF CO   | MPLE.   | TION:                              |                               | PRODUCTIO  | N INTERVAL:  |
| Vented   | Vented     Sold     Used on Lease     □ Open Hole     □ Perf.     □ Dually Comp.     □ Commingled     Top     Bottom |                              |                                 |  |  | Bottom  |                                    |                               |  |  |
| (If vente  | (If vented, Submit ACO-18.) (Submit ACO-5) (Submit ACO-4)  |                              |                                 |  |  |   |                                    |                               |  |  |
| Shots Per<br>Foot  | Perforation<br>Top   | Perforation<br>Bottom        | on                              | Bridge Plug<br>Type                                    | Bridge Plug<br>Set At                                  | g Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used) |                                    | Record                        |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
|  |  |                              |                                 |  |  |   |                                    |                               |  |  |
| TUBING RECOR   | D: Size:   |                              | Set At:                         |  | Packer At:   |   |                                    |                               |  |  |

| Form      | ACO1 - Well Completion        |
|-----------|-------------------------------|
| Operator  | Trans Pacific Oil Corporation |
| Well Name | WHISMAN A 1-31                |
| Doc ID    | 1457956                       |

## All Electric Logs Run

| Comp Density/Neutron |
|----------------------|
| Micro                |
| Sonic                |
| Dual Induction       |

| Form      | ACO1 - Well Completion        |
|-----------|-------------------------------|
| Operator  | Trans Pacific Oil Corporation |
| Well Name | WHISMAN A 1-31                |
| Doc ID    | 1457956                       |

## Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | Weight | Setting<br>Depth | Type Of<br>Cement | Type and Percent Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|----------------------------|
| Surface              | 12.25                | 8.625                 | 23     | 219              | 80/20 Poz         | 3% cc, 2%<br>gel           |
|                      |                      |                       |        |                  |                   |                            |
|                      |                      |                       |        |                  |                   |                            |
|                      |                      |                       |        |                  |                   |                            |



Company: Trans Pacific Oil Corporation

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

2nd Close

Minutes: 90

**Current Reading:** 

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation:
Uploading recovery &
pressures

DATE April 09

2019

DST #1 Formation: Upper Test Interval: 2807 - Total Depth: 2875'
Topeka 2875'

Time On: 02:55 04/09 Time Off: 11:33 04/09

Time On Bottom: 05:33 04/09 Time Off Bottom: 09:48 04/09

Electronic Volume Estimate: 83' 1st Open Minutes: 30 Current Reading: 5.7" at 30 min

Max Reading: 5.7"

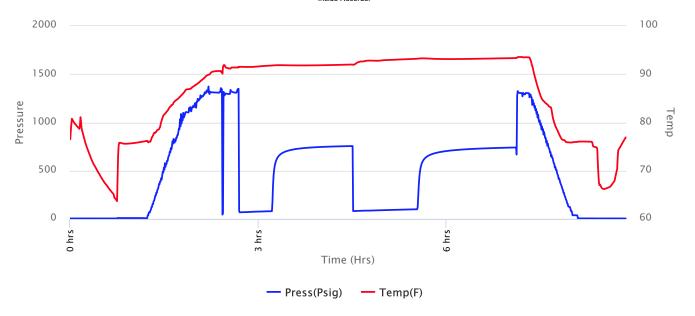
1st Close Minutes: 75 Current Reading: 0" at 75 min

Max Reading: 0" Max Reading: 5.6"

2nd Open Minutes: 60 Current Reading: 5.6" at 60 min

5.6" at 60 min 0" at 90 min x Reading: 5.6" Max Reading: 0"

Inside Recorder





Company: Trans Pacific Oil Corporation Lease: Whisman "A" #1-31 SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation:
Uploading recovery &
pressures

| <b>DATE</b> |  |
|-------------|--|
| April       |  |
| 09          |  |
| 2019        |  |

| DST #1 | Formation: Upper | Test Interval: 2807 - | Total Depth: 2875' |
|--------|------------------|-----------------------|--------------------|
|        | Topeka           | 2875'                 | •                  |

Time On: 02:55 04/09 Time Off: 11:33 04/09

Time On Bottom: 05:33 04/09 Time Off Bottom: 09:48 04/09

#### Recovered

| <u>Foot</u> | <u>BBLS</u> | Description of Fluid | <u>Gas %</u> | <u>Oil %</u> | Water % | <u>Mud %</u> |
|-------------|-------------|----------------------|--------------|--------------|---------|--------------|
| 55          | 0.5643      | M (trace O)          | 0            | .01          | 0       | 99.99        |
| 63          | 0.64638     | M                    | 0            | 0            | 0       | 100          |
| 63          | 0.64638     | HWCM                 | 0            | 0            | 42      | 58           |

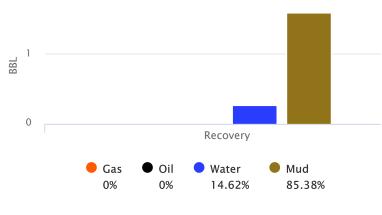
Total Recovered: 181 ft

Total Barrels Recovered: 1.85706

| Reversed Out |
|--------------|
| NO           |

| Initial Hydrostatic Pressure | 1308      | PSI |
|------------------------------|-----------|-----|
| Initial Flow                 | 70 to 81  | PSI |
| Initial Closed in Pressure   | 756       | PSI |
| Final Flow Pressure          | 82 to 100 | PSI |
| Final Closed in Pressure     | 741       | PSI |
| Final Hydrostatic Pressure   | 1305      | PSI |
| Temperature                  | 94        | °F  |
|                              |           |     |
| Pressure Change Initial      | 2.0       | %   |
| Close / Final Close          |           |     |

## Recovery at a glance



GIP cubic foot volume: 0



Uploading recovery &

pressures

Company: Trans Pacific Oil Corporation
Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE**April **09**2019

DST #1 Formation: Upper Test Interval: 2807 - Total Depth: 2875'
Topeka 2875'

Time On: 02:55 04/09 Time Off: 11:33 04/09

Time On Bottom: 05:33 04/09 Time Off Bottom: 09:48 04/09

#### **BUCKET MEASUREMENT:**

1st Open: 1 3/4" Blow built to 5 3/4" over 30 min.

1st Close: No Return

2nd Open: Surface Blow Started at 4 min. Built to 5 3/4" over 60 min.

2nd Close: No Return

#### **REMARKS:**

Tool Slid approx. 6 feet to bottom. Had to add an additional joint to make bottom and be able to set slips.

Tool Sample: 0% Gas 0% Oil 35% Water 65% Mud

Gravity: 3.6 @ 60 °F

Ph: 7

Measured RW: .24 @ 60 degrees °F

RW at Formation Temp: 0.159 @ 94 °F

Chlorides: 31000 ppm



**Company: Trans Pacific Oil** Corporation Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation: Uploading recovery & pressures

**DATE** 

April

09

2019

Formation: Upper Topeka

Test Interval: 2807 -

Total Depth: 2875'

2875'

Time On: 02:55 04/09

Time Off: 11:33 04/09

Time On Bottom: 05:33 04/09 Time Off Bottom: 09:48 04/09

## **Down Hole Makeup**

**Heads Up:** 30.56 FT

**DST #1** 

Packer 1: 2801.56 FT

**Drill Pipe:** 2809.38 FT Packer 2: 2806.56 FT

5/8"

ID-3 1/4

Top Recorder: 2790.98 FT

Weight Pipe: 0 FT

ID-2 7/8

**Bottom Recorder:** 1 FT

Collars: 0 FT Well Bore Size: 7 7/8

ID-2 1/4

**Surface Choke:** 

**Test Tool:** 28.74 FT

**Bottom Choke:** 

ID-3 1/2-FH Safety Joint

**Total Anchor:** 

68.44

**Anchor Makeup** 

Packer Sub: 1 FT

Perforations: (top): 31 FT

4 1/2-FH

**Change Over:** 1 FT

Drill Pipe: (in anchor): 31.44 FT

ID-3 1/4

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



Company: Trans Pacific Oil Corporation Lease: Whisman "A" #1-31 SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation:
Uploading recovery & pressures

DATE
April
09
2019

DST #1 Formation: Upper Test Interval: 2807 - Total Depth: 2875'
Topeka 2875'

Time On: 02:55 04/09 Time Off: 11:33 04/09

Time On Bottom: 05:33 04/09 Time Off Bottom: 09:48 04/09

## **Mud Properties**

Mud Type: Chem Weight: 9.0 Viscosity: 51 Filtrate: 7.6 Chlorides: 4800 ppm



Uploading recovery &

pressures

Company: Trans Pacific Oil Corporation

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

DATE April 10

DST #2 Formation: Toronto - Test Interval: 3025 - Total Depth: 3120' LKC "A,B,C" 3120'

Time On: 03:54 04/10 Time Off: 11:03 04/10

Time On Bottom: 05:57 04/10 Time Off Bottom: 09:32 04/10

Electronic Volume Estimate:

2019

2'

1st Open Minutes: 30 Current Reading: .3" at 30 min Max Reading: .3" 1st Close Minutes: 75 Current Reading: 0" at 75 min Max Reading: 0"

Current Reading: 0" at 20 min

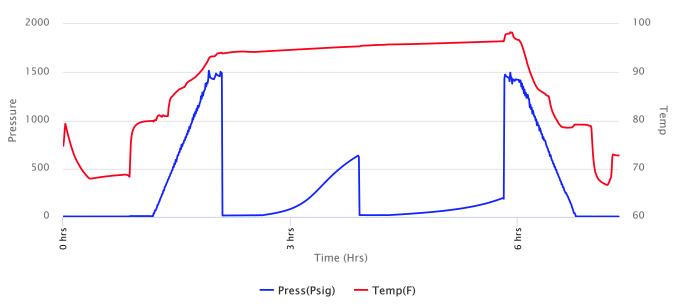
2nd Open

Minutes: 20

Max Reading: 0"

2nd Close Minutes: 90 Current Reading: 0" at 90 min Max Reading: 0"

Inside Recorder





**Company: Trans Pacific Oil** Corporation Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W County: ROOKS

State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation: Uploading recovery & pressures

**DATE** 

April

10

2019

**DST #2** Formation: Toronto -LKC "A,B,C"

Test Interval: 3025 -

Total Depth: 3120'

3120'

Time On: 03:54 04/10 Time Off: 11:03 04/10

Time On Bottom: 05:57 04/10 Time Off Bottom: 09:32 04/10

#### Recovered

**BBLS Foot** 10 0.1026 **Description of Fluid SLOCM** 

Gas % 0

Oil % 10

Gas

0%

Water % 0

Recovery at a glance

Mud % 90

Total Recovered: 10 ft

Total Barrels Recovered: 0.1026

Reversed Out NO

| Initial Hydrostatic Pressure | 1490     | PSI |
|------------------------------|----------|-----|
| Initial Flow                 | 16 to 19 | PSI |
| Initial Closed in Pressure   | 621      | PSI |
| Final Flow Pressure          | 19 to 19 | PSI |
| Final Closed in Pressure     | 197      | PSI |
| Final Hydrostatic Pressure   | 1449     | PSI |
| Temperature                  | 97       | °F  |
|                              |          |     |
| Pressure Change Initial      | 68.3     | %   |

Close / Final Close

징 0.05

Oil 10%

Water 0%

Recovery

Mud 90%

GIP cubic foot volume: 0



Uploading recovery &

pressures

Company: Trans Pacific Oil Corporation Lease: Whisman "A" #1-31 SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

DATE
April
10
2019

DST #2 Formation: Toronto - Test Interval: 3025 - Total Depth: 3120'

Time On: 03:54 04/10 Time Off: 11:03 04/10

Time On Bottom: 05:57 04/10 Time Off Bottom: 09:32 04/10

#### **BUCKET MEASUREMENT:**

1st Open: Weak Surface Blow built to 1/4" over 30 min.

1st Close: No Return 2nd Open: No Blow 2nd Close: No Return

**REMARKS:** 

Tool Sample: 0% Gas 10% Oil 5% Water 85% Mud



Company: Trans Pacific Oil Corporation
Lease: Whisman "A" #1-31

County: ROOKS

State: Kansas Drilling Contractor: L. D. Drilling, Inc -

SEC: 31 TWN: 10S RNG: 16W

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation:
Uploading recovery & pressures

**DATE** 

April

10

2019

DST #2 Formation: Toronto - LKC "A,B,C"

Test Interval: 3025 -

Total Depth: 3120'

3120'

Time On: 03:54 04/10

Time Off: 11:03 04/10

Time On Bottom: 05:57 04/10 Time Off Bottom: 09:32 04/10

## **Down Hole Makeup**

Heads Up: 29.82 FT

Packer 1: 3019.57 FT

**Drill Pipe:** 3026.65 FT

Packer 2: 3024.57 FT

ID-3 1/4

Top Recorder: 3008.99 FT

Weight Pipe: 0 FT

ID-2 7/8

**Bottom Recorder:** 3028 FT

Collars: 0 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 28.74 FT

Bottom Choke: 5/8"

ID-3 1/2-FH Safety Joint

Total Anchor: 95.43

**Anchor Makeup** 

Packer Sub: 1 FT

Perforations: (top): 27 FT

4 1/2-FH

Change Over: 1 FT

**Drill Pipe: (in anchor):** 62.43 FT

ID-3 1/4

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



**Company: Trans Pacific Oil** Corporation

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W County: ROOKS

State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation: Uploading recovery & pressures

> **DATE** April 10 2019

**DST #2** Formation: Toronto -LKC "A,B,C"

Test Interval: 3025 -

Total Depth: 3120'

3120'

Time On: 03:54 04/10 Time Off: 11:03 04/10

Time On Bottom: 05:57 04/10 Time Off Bottom: 09:32 04/10

## **Mud Properties**

Chlorides: 4800 ppm Mud Type: Chem Weight: 9.0 Viscosity: 51 Filtrate: 7.6



Uploading recovery &

pressures

Company: Trans Pacific Oil Corporation

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE**April **10**2019

DST #3 Formation: LKC Test Interval: 3117 - Total Depth: 3167'

Time On: 20:17 04/10 Time Off: 04:16 04/11

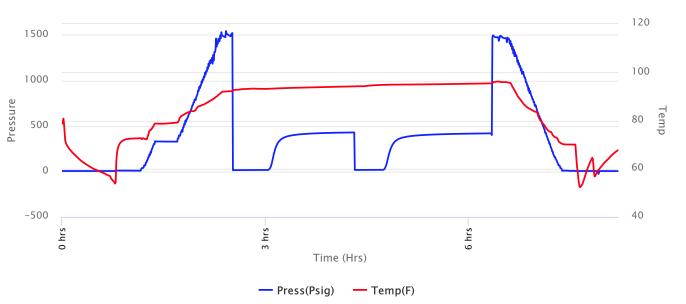
Time On Bottom: 22:44 04/10 Time Off Bottom: 02:19 04/11

Electronic Volume Estimate:

14'

1st Open Minutes: 30 Current Reading: 1.7" at 30 min Max Reading: 1.7" 1st Close Minutes: 75 Current Reading: 0" at 75 min Max Reading: 0" 2nd Open Minutes: 20 Current Reading: 0" at 20 min Max Reading: 0" 2nd Close Minutes: 90 Current Reading: 0" at 90 min Max Reading: 0"

Inside Recorder





Company: Trans Pacific Oil Corporation
Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation:
Uploading recovery & pressures

DATE
April
10
2019

DST #3 Formation: LKC "D,E,F"

Test Interval: 3117 -

Total Depth: 3167'

3167'

Time On: 20:17 04/10 Time Off: 04:16 04/11

Time On Bottom: 22:44 04/10 Time Off Bottom: 02:19 04/11

Gas %

0

Recovered

Foot BBLS 10 0.1026

Description of Fluid M

<u>Oil %</u>

0

<u>Water %</u> <u>Mud %</u> 0 100

Total Recovered: 10 ft

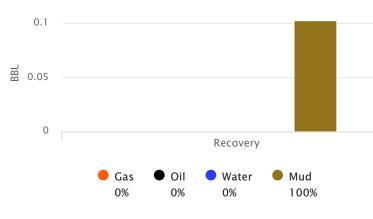
Total Barrels Recovered: 0.1026

Reversed Out NO

| Initial Hydrostatic Pressure | 1496     | PSI |
|------------------------------|----------|-----|
| Initial Flow                 | 14 to 17 | PSI |
| Initial Closed in Pressure   | 429      | PSI |
| Final Flow Pressure          | 17 to 18 | PSI |
| Final Closed in Pressure     | 419      | PSI |
| Final Hydrostatic Pressure   | 1474     | PSI |
| Temperature                  | 96       | °F  |
|                              |          |     |
|                              |          |     |

Close / Final Close

Recovery at a glance



GIP cubic foot volume: 0



Company: Trans Pacific Oil Corporation Lease: Whisman "A" #1-31 SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation:
Uploading recovery &
pressures

DATE
April
10
2019

DST #3 Formation: LKC Test Interval: 3117 - Total Depth: 3167'

Time On: 20:17 04/10 Time Off: 04:16 04/11

Time On Bottom: 22:44 04/10 Time Off Bottom: 02:19 04/11

#### **BUCKET MEASUREMENT:**

1st Open: Weak Surface Blow built to 1 3/4" over 30 min.

1st Close: No Return 2nd Open: No Blow 2nd Close: No Return

**REMARKS:** 

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



Uploading recovery &

pressures

**Company: Trans Pacific Oil Corporation** 

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE**April **10**2019

DST #3 Formation: LKC Test Interval: 3117 - Total Depth: 3167'

"D,E,F" 3167'

Time On: 20:17 04/10 Time Off: 04:16 04/11

Time On Bottom: 22:44 04/10 Time Off Bottom: 02:19 04/11

## **Down Hole Makeup**

**Heads Up:** 32.85 FT **Packer 1:** 3111.51 FT

**Drill Pipe:** 3121.62 FT **Packer 2:** 3116.51 FT

ID-3 1/4 Top Recorder: 3100.93 FT

Weight Pipe: 0 FT

ID-2 7/8 Bottom Recorder: 3120 FT

Collars: 0 FT Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 28.74 FT Bottom Choke: 5/8"

ID-3 1/2-FH Safety Joint

**Total Anchor:** 50.49

**Anchor Makeup** 

Packer Sub: 1 FT

Perforations: (top): 13 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.49 FT

ID-3 1/4

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



Uploading recovery &

pressures

**Company: Trans Pacific Oil Corporation** 

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE**April **10**2019

DST #3 Formation: LKC Test Interval: 3117 - Total Depth: 3167'

"D,E,F" 3167'

Time On: 20:17 04/10 Time Off: 04:16 04/11

Time On Bottom: 22:44 04/10 Time Off Bottom: 02:19 04/11

## **Mud Properties**

Mud Type: Chem Weight: 9.1 Viscosity: 50 Filtrate: 7.8 Chlorides: 4900 ppm



**Company: Trans Pacific Oil Corporation** 

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation:
Uploading recovery &
pressures

<u>DATE</u>

April 11

2019

DST #4

Formation: LKC "H,I,J,K,L"

Test Interval: 3195 -

Total Depth: 3313'

3313'

Time On: 20:17 04/11

Time Off: 04:21 04/12

Time On Bottom: 22:43 04/11 Time Off Bottom: 02:58 04/12

Electronic Volume Estimate:

17'

1st Open Minutes: 30 Current Reading:

1.9" at 30 min

Max Reading: 1.9"

1st Close Minutes: 75 Current Reading:

0" at 75 min

Max Reading: 0"

2nd Open Minutes: 60 Current Reading:

.1" at 60 min

Max Reading: .1"

<u>2nd Close</u> Minutes: 90 Current Reading:

0" at 90 min

Max Reading: 0"







**Company: Trans Pacific Oil** Corporation Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation: Uploading recovery & pressures

> **DATE** April 11 2019

DST #4 Formation: LKC "H,I,J,K,L"

Time On: 20:17 04/11

Test Interval: 3195 -

Total Depth: 3313'

3313'

Time Off: 04:21 04/12

Time On Bottom: 22:43 04/11 Time Off Bottom: 02:58 04/12

Recovered

**BBLS Foot** 28 0.28728 **Description of Fluid** Μ

Gas % 0

<u>Oil %</u> 0

Water % 0

Mud % 100

Total Recovered: 28 ft

Total Barrels Recovered: 0.28728

Reversed Out

| Initial Hydrostatic Pressure | 1542     | PSI |
|------------------------------|----------|-----|
| Initial Flow                 | 16 to 19 | PSI |
| Initial Closed in Pressure   | 780      | PSI |
| Final Flow Pressure          | 20 to 23 | PSI |
| Final Closed in Pressure     | 658      | PSI |
| Final Hydrostatic Pressure   | 1536     | PSI |
| Temperature                  | 97       | °F  |
|                              |          |     |

15.7

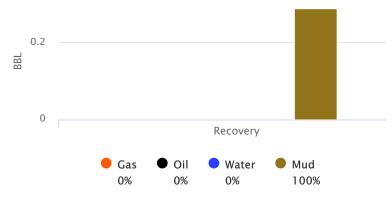
Close / Final Close

Pressure Change Initial

NO

%

## Recovery at a glance



GIP cubic foot volume: 0



**Company: Trans Pacific Oil** Corporation Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation: Uploading recovery & pressures

> **DATE** April 11 2019

DST #4 Formation: LKC "H,I,J,K,L"

Test Interval: 3195 -

Total Depth: 3313'

3313'

Time On: 20:17 04/11 Time Off: 04:21 04/12

Time On Bottom: 22:43 04/11 Time Off Bottom: 02:58 04/12

#### **BUCKET MEASUREMENT:**

1st Open: Surface blow built to 2" over 30 min.

1st Close: No Return

2nd Open: Weak Surface blow started at 7 min. Did not build or die.

2nd Close: No Return

**REMARKS:** 

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



Uploading recovery &

pressures

**Company: Trans Pacific Oil Corporation** 

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE**April **11**2019

DST #4 Formation: LKC "H,I,J,K,L"

Test Interval: 3195 -

Total Depth: 3313'

3313'

Time On: 20:17 04/11 Time Off: 04:21 04/12

Time On Bottom: 22:43 04/11 Time Off Bottom: 02:58 04/12

## **Down Hole Makeup**

**Heads Up:** 17.09 FT **Packer 1:** 3189.65 FT

**Drill Pipe:** 3184 FT **Packer 2:** 3194.65 FT

ID-3 1/4 Top Recorder: 3179.07 FT

Weight Pipe: 0 FT
Bottom Recorder: 3198 FT

ID-2 7/8

Collars: 0 FT Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 28.74 FT Bottom Choke: 5/8"

ID-3 1/2-FH Safety Joint

**Total Anchor:** 118.35

**Anchor Makeup** 

Packer Sub: 1 FT

Perforations: (top): 19 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 93.35 FT

ID-3 1/4

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



Uploading recovery &

pressures

**Company: Trans Pacific Oil Corporation** 

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE**April **11**2019

**DST #4** 

Formation: LKC "H,I,J,K,L"

Test Interval: 3195 -

Total Depth: 3313'

3313'

Time On: 20:17 04/11 Time Off: 04:21 04/12

Time On Bottom: 22:43 04/11 Time Off Bottom: 02:58 04/12

## **Mud Properties**

Mud Type: Chem Weight: 9.1 Viscosity: 51 Filtrate: 6.8 Chlorides: 4800 ppm



Uploading recovery &

pressures

Company: Trans Pacific Oil Corporation

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

DATE April 12

DST #5 Formation: Cong. Test Interval: 3315 - Total Depth: 3395'

3395'

Time On: 13:59 04/12 Time Off: 23:16 04/12

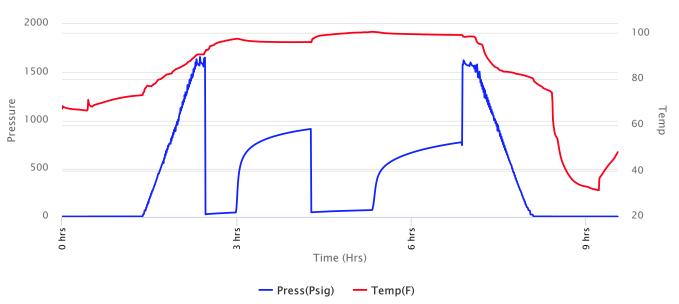
Time On Bottom: 16:23 04/12 Time Off Bottom: 20:38 04/12

Electronic Volume Estimate: 110'

2019

1st Open Minutes: 30 Current Reading: 7.6" at 30 min Max Reading: 7.6" 1st Close Minutes: 75 Current Reading: 0" at 75 min Max Reading: 0" 2nd Open Minutes: 60 Current Reading: 5.1" at 60 min Max Reading: 5.1" 2nd Close Minutes: 90 Current Reading: 0" at 90 min Max Reading: 0"

Inside Recorder





**Company: Trans Pacific Oil** 

Corporation Lease: Whisman "A" #1-31 SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

Operation: Uploading recovery & pressures

> **DATE** April 12 2019

DST #5 Formation: Cong. Test Interval: 3315 -Total Depth: 3395' 3395'

Time On: 13:59 04/12 Time Off: 23:16 04/12

Time On Bottom: 16:23 04/12 Time Off Bottom: 20:38 04/12

#### Recovered

| <u>Foot</u> | <u>BBLS</u> | Description of Fluid | <u>Gas %</u> | <u>Oil %</u> | Water % | Mud % |
|-------------|-------------|----------------------|--------------|--------------|---------|-------|
| 63          | 0.64638     | HMCW                 | 0            | 0            | 65      | 35    |
| 63          | 0.64638     | MCW                  | 0            | 0            | 75      | 25    |

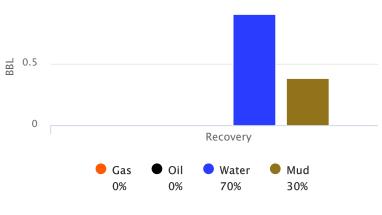
Total Recovered: 126 ft

Total Barrels Recovered: 1.29276

| Reversed Out |
|--------------|
| NO           |

| Initial Hydrostatic Pressure      | 1606     | PSI |
|-----------------------------------|----------|-----|
| Initial Flow                      | 28 to 47 | PSI |
| <b>Initial Closed in Pressure</b> | 912      | PSI |
| Final Flow Pressure               | 49 to 72 | PSI |
| Final Closed in Pressure          | 774      | PSI |
| Final Hydrostatic Pressure        | 1591     | PSI |
| Temperature                       | 101      | °F  |
|                                   |          |     |
| Pressure Change Initial           | 15.0     | %   |
| Close / Final Close               |          |     |

## Recovery at a glance



GIP cubic foot volume: 0



Uploading recovery &

pressures

Company: Trans Pacific Oil Corporation
Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE**April **12**2019

DST #5 Formation: Cong. Test Interval: 3315 - Total Depth: 3395'

3395'

Time On: 13:59 04/12 Time Off: 23:16 04/12

Time On Bottom: 16:23 04/12 Time Off Bottom: 20:38 04/12

#### **BUCKET MEASUREMENT:**

1st Open: 2 1/2" Blow built to 7 1/2" over 30 min.

1st Close: No Return

2nd Open: Weak Surface Blow built to 5" over 60 min.

2nd Close: No Return

**REMARKS:** 

Chased tool approx. 8 feet to bottom.

Tool Sample: 0% Gas 0% Oil 85% Water 15% Mud

Ph: 6

Measured RW: .28 @ 40 degrees °F

RW at Formation Temp: 0.122 @ 101 °F

Chlorides: 43,000 ppm



Uploading recovery &

pressures

**Company: Trans Pacific Oil Corporation** 

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

DATE April

12

2019

DST #5 Formation: Cong. Test Interval: 3315 - Total Depth: 3395'

3395'

Time On: 13:59 04/12 Time Off: 23:16 04/12

Time On Bottom: 16:23 04/12 Time Off Bottom: 20:38 04/12

## **Down Hole Makeup**

**Heads Up:** 21.19 FT **Packer 1:** 3310.49 FT

**Drill Pipe:** 3308.94 FT **Packer 2:** 3315.49 FT

ID-3 1/4 Top Recorder: 3299.91 FT

Weight Pipe: 0 FT

ID-2 7/8 Bottom Recorder: 3319 FT

Collars: 0 FT Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 28.74 FT Bottom Choke: 5/8"

ID-3 1/2-FH Safety Joint

**Total Anchor:** 79.51

**Anchor Makeup** 

Packer Sub: 1 FT

Perforations: (top): 11 FT

4 1/2-FH

Change Over: 1 FT

**Drill Pipe: (in anchor):** 62.51 FT

ID-3 1/4

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



Uploading recovery &

pressures

**Company: Trans Pacific Oil** Corporation

Lease: Whisman "A" #1-31

SEC: 31 TWN: 10S RNG: 16W

County: ROOKS State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1862 GL

Field Name: Brungardt East

Pool: Pool Ext Job Number: 320

**DATE** April **12** 2019

DST #5 Formation: Cong. Test Interval: 3315 -Total Depth: 3395'

3395'

Time On: 13:59 04/12 Time Off: 23:16 04/12

Time On Bottom: 16:23 04/12 Time Off Bottom: 20:38 04/12

## **Mud Properties**

Chlorides: 4800 ppm Mud Type: Chem Weight: 9.2 Viscosity: 60 Filtrate: 8.0



API: 15-163-24387

STR:

31-10S-16W

County: Rooks

KB: 1863 Location:

330 FSL 2180 FWL

State: KS

| Zone             | Sample Top   | Log Top      | Structural Position | Comments |  |
|------------------|--------------|--------------|---------------------|----------|--|
| Anhydrite        | 1067 (796)   | 1065 (798)   | +2                  |          |  |
| Base Anhydrite   | 1101 (762)   | 1100 (763)   | +2                  |          |  |
| Topeka           | 2800 (-937)  | 2802 (-939)  | -2                  |          |  |
| Heebner          | 3031 (-1168) | 3034 (-1171) | -2                  |          |  |
| Lansing          | 3074 (-1211) | 3076 (-1213) | -2                  |          |  |
| Base Kansas City | 3320 (-1457) | 3317 (-1454) | -2                  |          |  |
| Conglomerate     | 3360 (-1497) | 3363 (-1500) | -4                  |          |  |
| Arbuckle         | 3495 (-1632) | 3493 (-1630) | +1                  |          |  |

## TRANS PACIFIC OIL



Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Whisman A #1-31

API: 15-163-24387

Location: SW 1/4, Section 31-T10S-R16W

License Number: 9408 Region: Rooks County, KS.

Surface Coordinates: 330' FSL & 2180' FWL

Bottom Hole Coordinates:

Ground Elevation (ft): 1858' K.B. Elevation (ft): 1863' Logged Interval (ft): 2700' To: TD Total Depth (ft): 3550'

Formation: ARBUCKLE
Type of Drilling Fluid: Chemical Mud

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

#### **OPERATOR**

Company: Trans Pacific Oil Corporation
Address: 100 S. Main St. Suite #200

Wichita, KS. 67202

#### **GEOLOGIST**

Name: Nick Hixon

Company: Trans Pacific Oil Corporation Address: 100 S. Main St. Suite #200

Wichita, KS. 67202

#### **Comments**

The Anhydrite tops were structurally higher than the reference well but the Anhydrite to Heebner/Lansing interval failed to thin as the seismic data had indicated, resulting in Heebner and Lansing tops lower than other Lansing and Conglomerate producers in the area. Several shows of oil and stain were seen in the Upper Topeka, throughout the Lansing-Kansas City group and the Conglomerate Chert. The Conglomerate chert was well developed at this location. All shows were evaluated by DST with negative results each time. The Arbuckle had one piece with stain but was not tested. Due to poor structural position, negative DST results and electric log examination, it was decided to plug and abandon the Whisman A #1-31 on April 13, 2019.

UPPER TOPEKA 2807'-2875' 30-75-60-90

IF: 1.75" BLOW BUILT TO 5.75' IN 30 MIN.

IS: NO RETURN.

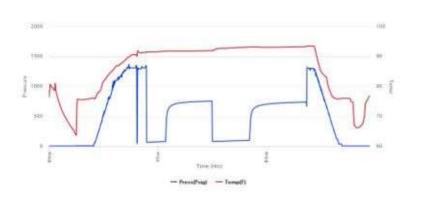
FF: SURFACE BLOW BUILT TO 5.75" IN 60 MIN.

FS: NORETURN.

RECOVERED: 55' MUD W/TRACE OIL, 63' MUD, 63'

HWCM (42%W) 181' TOTAL FLUID HP: 1308-1305 PSI IF: 70-81 PSI FF: 82-100 PSI

SIP: 756-741 PSI



DST#1

TORONTO, LANSINGA-C

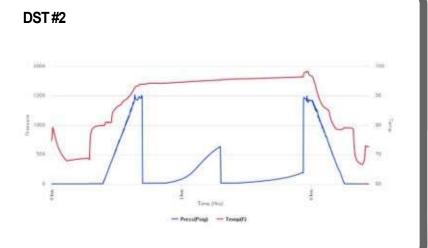
3025'-3120' 30-75-20-90

IF: SURFACE BLOW BUILT TO 0.25" IN 30 MIN.

IS: NO RETURN. FF: NO BLOW. FS: NO RETURN.

**RECOVERED: 10' SLIOCM** 

HP: 1490-1449 PSI IF: 16-19 PSI FF: 19-19 PSI SIP: 621-197 PSI



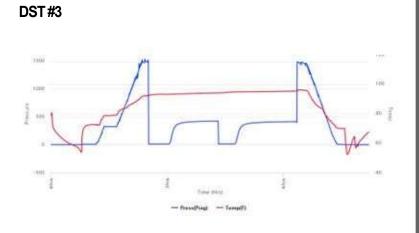
LANSING D-F 3117'-3167'

30-75-20-90

IF: WEAK SURFACE BLOW BUILT TO 1.75" IN 30 MIN.

IS: NO RETURN.
FF: NO BLOW.
FS: NO RETURN.
RECOVERED: 10' MUD
HP: 1496-1474 PSI
IF: 14-17 PSI
FF: 17-18 PSI

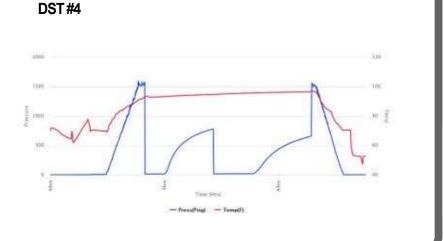
SIP: 429-419 PSI



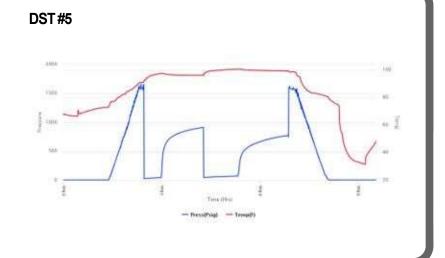
LANSING H-L 3195'-3313' 30-75-60-90 IF: SURFACE BLOW BUILT TO 2" IN 30 MIN. IS: NO RETURN. FF: WEAK SURFACE BLOW. FS: NO RETURN. **RECOVERED: 28' MUD** HP: 1542-1536 PSI IF: 16-19 PSI FF: 20-23 PSI

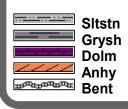
SIP: 780-658 PSI

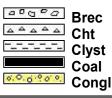
FF: 49-72 PSI SIP: 912-774 PSI

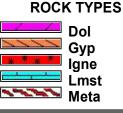


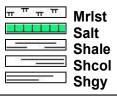
**CONGLOMERATE** 3315'-3395' 30-75-60-90 IF: 2.5" BLOW BUILT TO 7.5" IN 30 MIN. IS: NO RETURN. FF: WEAK SURFACE BLOW BUILT TO 5" IN 60 MIN. FS: NO RETURN. RECOVERED: 63' HMCW (65%W), 63' MCW (75%W) HP: 1606-1591 PSI IF: 28-47 PSI

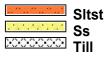








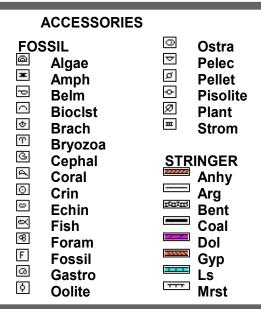




#### **MINERAL** 11 **Anhy** 1 Arggrn -Arg В **Bent** 1 Bit ß **Brecfrag** 1 Calc • Carb ٠ Chtdk Δ Chtlt 1 Dol + Feldspar • 4 **Ferrpel** Ferr

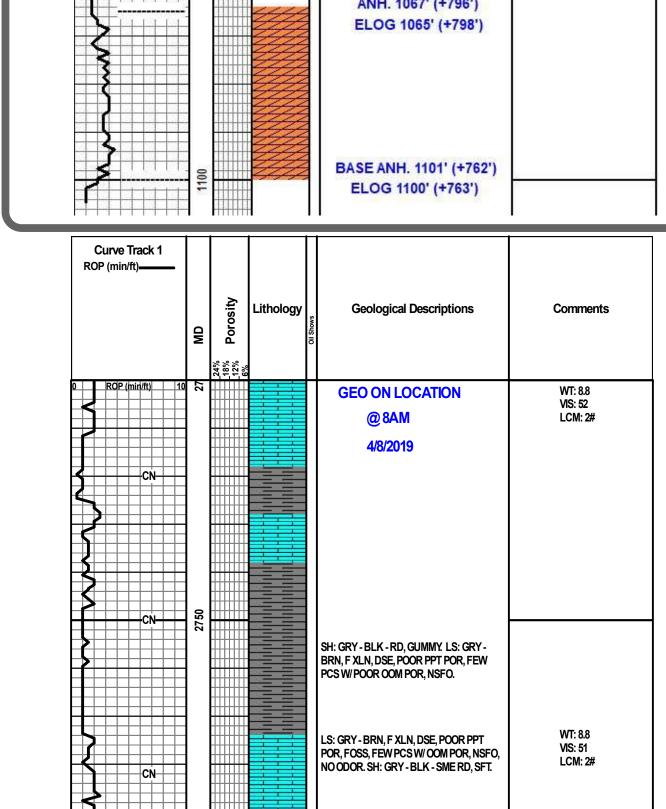
Glau

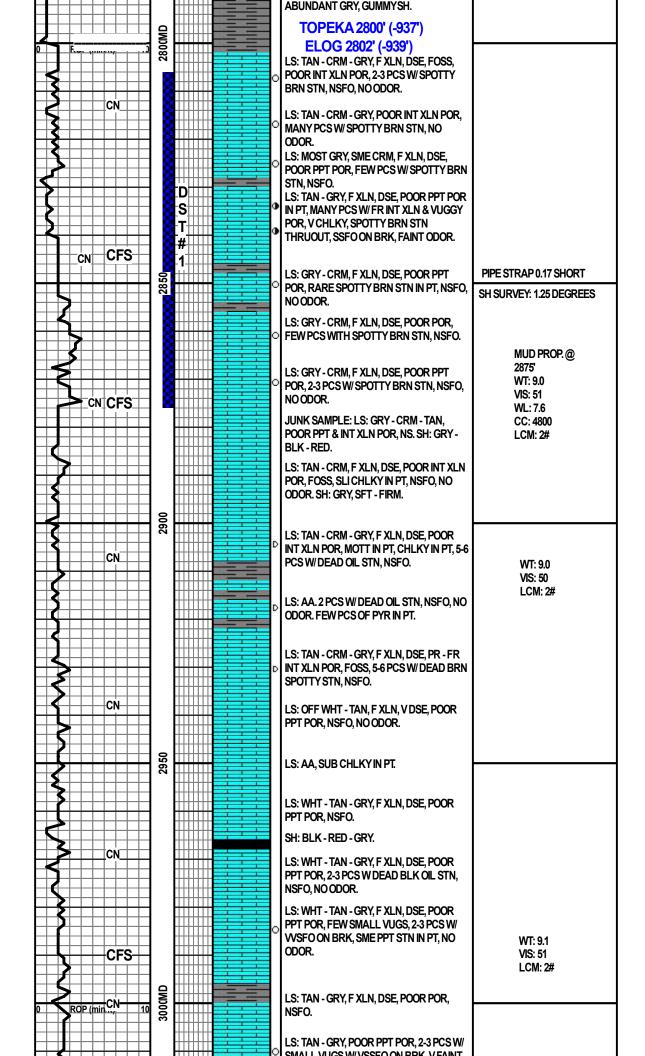


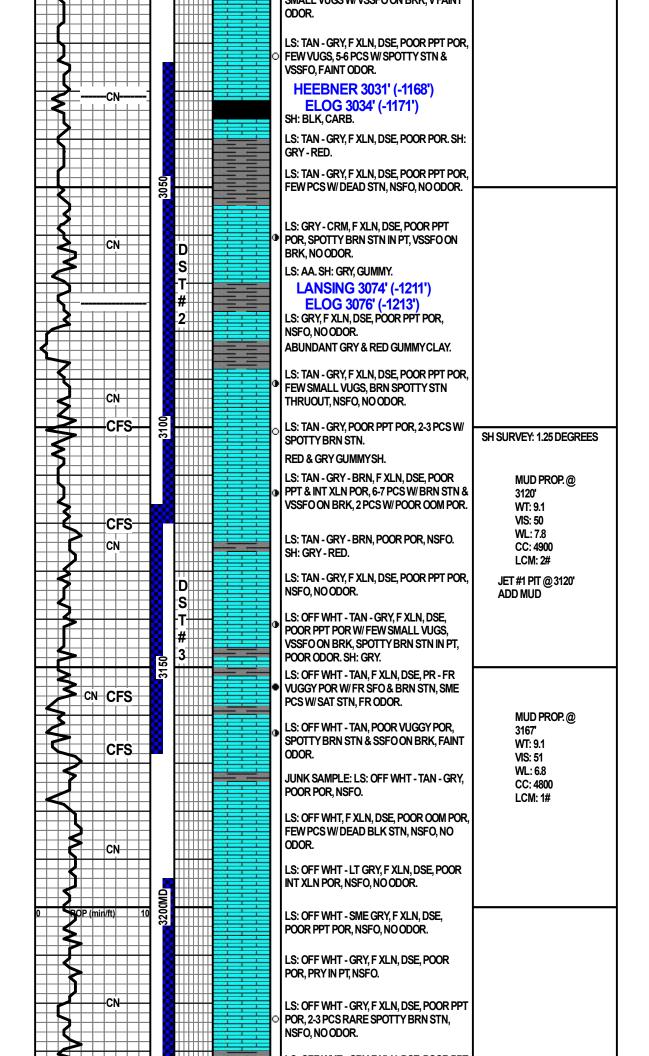




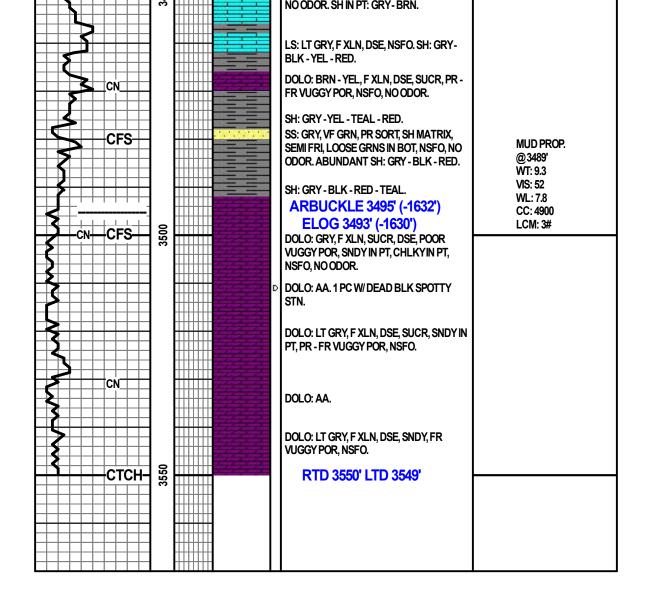
#### **OTHER SYMBOLS** • ٧ • Vuggy ROUNDING Round Dst **POROSITY** Even Ε • **Earthy** Rounded **Spotted** r 0 SORTING Well **Fenest** Subrnd Ques **EVENT** F a D Fracture Well Dead Rft Subang × M Α **Sidewall** Inter **Moderate Angular** s Р **INTERVAL** Moldic **Poor** 0 **Organic** OIL SHOW Gas Dst1 P **Pinpoint** Core Gas ANH. 1067' (+796') ELOG 1065' (+798')







| 3                   |  | LS: OFF WHT - GRY, F XLN, DSE, POOR PPT POR, NSFO, NO ODOR.  |                                 |
|---------------------|--|--|---------------------------------|
| CFC S               |  | LS: OFF WHT - GRY, F XLN, DSE, POOR PPT<br>POR, 5-6 PCS W/ BLK STN, VSSFO ON BRK,<br>NO ODOR.  | WT: 9.1<br>VIS: 47<br>LCM: 1#   |
| CN CFS              | 0525   | LS: OFF WHT - GRY, F XLN, POOR POR,<br>NSFO, NO ODOR. SH: GRY, GUMMY.  |                                 |
| \$                  |  | LS: OFF WHT - GRY, F XLN, POOR PPT POR,<br>NSFO, NO ODOR.  |                                 |
|                     | D D  | LS: GRY, F XLN, DSE, IMBD PYR IN PT,<br>POOR PPT POR, 3 PCS W/ DEAD OIL STN,<br>NSFO, NO ODOR.   |                                 |
| CN                  |  | ABUNDANT GRY GUMMYSH.  |                                 |
|                     | 0  | LS: OFF WHT - TAN, F XLN, DSE, POOR PPT<br>POR W/FEW SMALL VUGS, 2-3 PCS W/<br>SPOTTY BRN STN, NSFO, NO ODOR.  |                                 |
|                     | 3300   | GRY GUMMYSH.   | SH SURVEY: 2 DEGREES            |
| CN CFS              | D  | LS: OFF WHT - GRY, F XLN, DSE, SUB<br>CHLKY IN PT, POOR PPT POR, FEW PCS<br>DEAD OIL STN, NSFO, NO ODOR.   | MUD PROP.<br>@3313'<br>WT: 9.2  |
| CIV CFS             |  | BKC 3320' (-1457')<br>ELOG 3317' (-1454')  | VVI. 9.2<br>VIS: 60+<br>WL: 8.0 |
|                     |  | LS: OFF WHT - GRY, F XLN, DSE, POOR<br>POR, NSFO, NO ODOR.   | CC: 4800<br>LCM: 1#             |
| 3                   |  | SH: GRY-BLK-RED.   |                                 |
| <b>5</b>            |  | SH: GRY-BLK-RED, SFT-FIRM.   |                                 |
| CN                  | D  | LS: GRY, F XLN, DSE, POOR PPT POR,<br>NSFO, NO ODOR.   |                                 |
|                     | S<br>T   | LS: OFF WHT - GRY, F XLN, DSE, POOR PPT<br>& VUGGY POR, POOR SPOTTY STN IN PT,<br>NSFO. ABUNDANT SH: GRY - RED - BLK.  |                                 |
| CN                  | -5   | CONG. 3360' (-1497') ELOG 3363' (-1500') CHRT: WHT - ORG, FRESH, SME SMALL FRAC POR, V POOR BLK SPOTTY STN, FEW PCS SD: LT GRY, VF GRN, TITE, WSSFO ON BRK, NO ODOR. | JET & ADD PREMIX                |
| CFS                 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4                              | CHRT: MORE ORG, WHT, FRESH, POOR<br>FRAC POR, SPOTTY BLK STN IN PT, V FEW<br>GAS BUB, WSSFO.   |                                 |
| CFS                 | 4 4 4 4 4 X  | CHRT: ORG - WHT, FRESH, POOR POR,<br>BLK OIL STN IN PT, V FEW GAS BUB, NO<br>ODOR.   |                                 |
| 0 ROP (min/ft) 10 S | 3400MD<br>3400MD<br>3400MD<br>3400MD<br>3400MD<br>3400MD<br>3400MD | CHRT: ORG - WHT, FRESH, PR FRAC POR, POOR BLK SPOTTY STN, NSFO, NO ODOR.   | WT: 9.1<br>VIS: 50<br>LCM: 1.5# |
|                     |  | CHRT: AA.  | Com. nor                        |
| >                   |  | CHRT: ORG - WHT, FRESH, RARE SPOTTY<br>BLK STN, NSFO, NO ODOR.   |                                 |
| S <sub>CN</sub>     | 4 4 4 4 4  | CHRT: OFF WHT - ORG, FRESH, NSFO, NO<br>ODOR. SH: GRY - BRN.   |                                 |
|                     |  | LS: LT GRY, F XLN, DSE, PR PPT POR,<br>NSFO, NO ODOR. SH: GRY - BRN.   |                                 |
|                     | 450  | LS: LT GRY, F XLN, DSE, POOR POR, NSFO,  |                                 |



# 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. 1250

|  | manus promotos -   |  |   |  |  |  |
|--|--|--|---|--|--|--|
| Date 4:5:/9 3  | . Twp.   | Range  | County ROKS                             | State  | On Location  | Finish   |
| The second secon |  | and the second of the second o | Location ally                           | We low Just  |  | 22 20 20   |
| Lease Whisman A  | \  | Well No. / 3   |   | 1/ (77 010   | Community of the Commun |  |
| Contractor LDn   |  | mananan mananan mananan maka saka me   | To Quality O                            | ilwell Cementing, Inc.   | •  | 3 1  |
| Type Job Surface:  | ***************************************  |  | You are here cementer and               | by requested to rent<br>d helper to assist ow  | cementing equipment<br>ner or contractor to d  | t and furnish  |
| Hole Size 121/4  | T.D.   | 222  | Charge                                  | -105.5 Dec   | 1: 0.0   | Parla.   |
| Csg. 83/8  | Depth  | 219  | Street                                  | - John Sharyhoun Kalania I   |  | ~ y 3  |
| Tbg. Size  | Depth  | ***************************************  | City                                    | 00000000000000000000000000000000000000   | State  |  |
| Tool   | Depth  |  |   | s done to satisfaction a   |  | 2 2 2 ant or contractor  |
| Cement Left in Csg. 10   | Shoe Jo  | oint   |   | unt Ordered / 57   | 5/20 2/11/2 2  | See Simacion   |
| Meas Line  | Displace   |  |   | and the second s | reformerediation formanion in the second   |  |
|  | PWENT  | The second se  | Common / j                              | 20:  |  | - , , , ,  |
| Pumptrk / No. Cernente Helper  |  |  | Poz. Mix                                | PO .   |  |  |
| Bulktrk No. Driver Driver  |  | ***************************************  | Gel. 3                                  |  | · · · · · · · · · · · · · · · · · · ·  |  |
| Bulktrk 9 No. Driver Driver  | 1/2/   |  | Calcium 7                               |  | ***************************************  |  |
| JOB SERVICES   | S & REMAI  | RKS  | Hulls                                   |  | Mentere entre in the second process of the second control of the s | *  |
| Remarks:   |  |  | Salt                                    | The second secon | ***************************************  |  |
| Rat Hole   | 2000-16000 1000-16000 1000-16000 1000-1600 1000-1600 1000-1600 1000-1600 1000-1600 1000-1600 1000-1600 1000-1  |  | Flowseal                                | . *  |  |  |
| Mouse Hole   | ************************************   | *  | Kol-Seal                                |  |  |  |
| Centralizers   |  | 1 .  | Mud CLR 48                              | ·  | Management (1980)  | ***************************************  |
| Baskets  | COOODS   |  | CFL-117 or C                            | D110 CAF 38  |  |  |
| D/V or Port Collar   |  |  | Sand                                    | 2 .  | ***************************************  |  |
| 83/8 on button   | 34/1   | whiten   | Handling /                              | 20   |  |  |
| MX150XX Displa   | 1.   |  | Mileage                                 | and the second   |  |  |
|  | •  | Λ  |   | FLOAT EQUIPME  | NT   | ***************************************  |
| Cenary in  | Ulatre   | <u> </u>   | Guide Shoe /                            | O# Sugar   | The state of the s |  |
|  | ······································   | ***************************************  | Centralizer                             | -  | The same of the sa |  |
|  | ······································   |  | Baskets                                 |  | :  |  |
| entroniciamentale de la constantina de   |  |  | AFU Inserts                             |  |  |  |
|  | $q^{W}$  |  | Float Shoe                              |  |  | ***************************************  |
|  | #1   | ***************************************  | Latch Down                              |  |  | e e e e e e e e e e e e e e e e e e e  |
| anno con consecuencia de la cons |  |  |   | A. 16  |  |  |
| and the second s |  |  |   |  | **   | **************************************   |
|  | ***************************************  |  | Pumptrk Charg                           | ge Surface   |  | 4  |
| Control of the Contro | to to 11/2 stances for representative constitue constitue constitue constitue constitue constitue constitue con  |  | Mileage 29                              | 7  |  | The state of the s |
|  |  | ***************************************  | See | **   | Tax  |  |
| ×  | and the contract of the contra | The second secon |   | 9.2  | Discount   |  |
| X<br>Signature   |  |  |   | 3  | Total Charge   |  |



#### **HURRICANE SERVICES INC**

| Customer         | Trans Pacific Oil C    | orp                     | Lease & Well #       | Whisman #1-      | 31                    | Date                                    | 4                | 13/2019            |                |             |
|------------------|------------------------|-------------------------|----------------------|------------------|-----------------------|---|------------------|--------------------|----------------|-------------|
| Service District | Oakley,K\$             | County & State Rooks KS |                      | Legals S/T/R     | 31-10                 | <b>⊦</b> 16                             | Job#             | IC                 | T 1929         |             |
| Job Type         | PTA                    | M PROD                  | a IM                 | ■ SWD            | New Well?             | ■ YES                                   | □ No             | Ticket#            | 4              | i Çires     |
| Equipment #      | Driver                 |                         |                      | Job Safet        | y Analysis - A Discus | sion of Hazards                         | & Safety Pro     | cedures            |                | 7           |
| 231              | Michael                | ■ Hard hat              |                      | ■ Gloves         |                       | □ Lockout/Tago                          | ut               | □ Warning Signs    | & Flagging     |             |
| 180              | John                   | □ H2S Monitor           |                      | ■ Eye Protectio  | n                     | Required Perm                           | nits             | □ Fall Protection  |                |             |
| 78               | Dane                   | Safety Footwear         |                      | ■ Respiratory P  | rotection             | ■ Slip/Trip/Fall I                      | łazards          | ■ Specific Job Sec | quence/Exped   | tations     |
|                  | Josh                   | FRC/Protective C        | lothing              | ■ Additional Ch  | nemical/Acid PPE      | Overhead Haz                            | ards             | □ Muster Point/M   | ledical Locati | ons         |
|                  |                        | Hearing Protection      | on                   | ■ Fire Extinguis | her                   | n Additional cor                        | cems or issue    | es noted below     |                |             |
|                  |                        |                         |                      |                  |                       | nments                                  |                  |                    |                |             |
|                  |                        | All cement and che      | emicals came from    | the Oakley,KS    | service center        |   |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
| Product/ Service |                        |                         |                      |                  |                       |   |                  |                    |                |             |
| Code             |                        | Descri                  | iption               |                  | Unit of Measure       | Quantity                                |                  |                    |                | Net Amount  |
| M010             | Heavy Equipment Mi     | leage                   |                      |                  | mi                    | 35.00                                   |                  |                    |                | \$119.00    |
| M015             | Light Equipment Mile   | age                     |                      |                  | mi                    | 35.00                                   |                  |                    |                | \$59.50     |
| M020             | Ton Mileage            |                         |                      |                  | 1m                    | 454.00                                  |                  |                    |                | \$578.85    |
| C010             | Cement Pump            |                         |                      | . A              | ea                    | 1.00                                    |                  |                    |                | \$637.50    |
| CP055            | Type H plug cement     |                         |                      |                  | sack                  | 290.00                                  |                  |                    |                | \$3,029,49  |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       | <u> </u>                                |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
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|                  |                        |                         |                      |                  | 1                     | 1                                       |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
|                  |                        |                         |                      |                  | 1                     | 1                                       |                  |                    |                |             |
|                  |                        |                         |                      |                  | i                     | <u> </u>                                |                  |                    | -              |             |
|                  |                        |                         |                      |                  | i                     |   |                  |                    |                |             |
|                  |                        |                         |                      |                  | i                     |   |                  |                    |                | i           |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
|                  |                        | 82                      |                      |                  |                       |   |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
|                  |                        |                         |                      |                  |                       |   |                  |                    |                |             |
|                  |                        |                         |                      |                  | 1.00                  |   |                  |                    |                |             |
| Custo            | iner Section: On the   | e tollowing scale ho    | w/ v/ould you rate h | turricane Servic | es luc.?              |   |                  |                    | Net:           | \$4,424.34  |
| Ra               | sed on this job, hov   | v likely is it you w    | ould recommend       | HSI to a collea  | que?                  | Total Taxable<br>State tax laws dee     | s - I            | Tax Rate:          | Sale Tax:      | 5 .         |
| 00               | 1053 M                 |                         |                      | ./               | 9                     | used on new wells                       | to be sales tax  | exempt Hurricane   | Jaje Tax.      | ,           |
| 97               |                        |                         |                      | 7/               |                       | Services relies on<br>information above | to make a deter  | rmination if       |                | l           |
| U                | raidy 1 2 3            | 3 4 5                   | 6 7 8                | 9 /10            | Extremely Likely      | services and/or pr                      | oducts are tax e | exempt.            | Total:         | \$ 4,424.34 |
|                  | HSI Representative: Da |                         |                      |                  |                       |   |                  |                    |                |             |

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event It is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price. Upon revocation, the full invoice price without discount is invoice price. Upon revocation, the full invoice price upon revocation, the full invoice price upon advanced price without date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. <u>DISCLAIMER NOTICE</u>: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for ability for a liability for ability for a liability for ability for a liability for ability for additions made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and



CUSTOMER AUTHORIZATION SIGNATURE



| CEMEN              | T TRE  | EATMEN          | IT REP                 | ORT   |                    |         |          |          |                       |   |   |  |
|--------------------|--|-----------------|------------------------|---|--------------------|---------|----------|----------|-----------------------|---|---|--|
| Cus                | stomer   | Trans P         | Pacific C              | Oil Corp                                      | Well:              |         | Whismar  | n # 1-31 |                       | Ticke                                   | 1910 40                                 | Time   |
| City               | , State:   | : Wichita,KS co |                        | ounty:  |                    | Rooks   |          |          | Ticket:   939 1071797 |   |   |  |
| Fie                | ld Rep   | Rick            |                        |   | S-T-R:             |         | 31-10-16 |          |                       | Service                                 |   | ement  |
|                    |  |                 |                        | I   |                    |         |          |          |                       |   |   |  |
|                    |  | Informati       |                        |   | Slurry             |         |          |          |                       | С                                       | ement Blend                             |  |
|                    | le Size:<br>Depth:   |                 | 7.875                  |   | leight:            |         | 3 # / sx |          |                       | roduct                                  | %                                       | #  |
|                    | Deptn:<br>1g Size:   | <del></del>     |                        |   | r/Sx:              |         | gal/sx   |          | Class /               | 1                                       | 60.0                                    | 16356  |
| Casing             |  |                 |                        |   | Yield:<br>s / Ft.: | 0.01422 |          |          | Gel<br>Poz            |   | 4.0                                     | 998  |
| Casing             |  |                 |                        |   | Depth:             | 0.01422 | ft       |          | Flo Sea               | ıl                                      | 0.3                                     | 8585<br>73   |
|                    | Depth:   |                 |                        |   | lume:              |         | bbls     |          | KolSea                |   | 0.0                                     | 73   |
| Tool / P           | acker:   |                 |                        | Ex  | cess;              |         | %        |          | Phenos                | Seal                                    |   | <del>V - ***********************************</del> |
|                    | Depth:   |                 |                        | Total 5                                       | lurry:             | 74.5    | bbls     |          | Salt                  |   |   |  |
| Displace           | ement:   | <u> </u>        | bbls                   | Total S                                       | acks:              | 290     | SX       |          |                       | -                                       |   |  |
| TIME               | RATE   | PSI             | BBLs                   | REMARKS                                       | however same       | TIME    | RATE     | PSI      | BBLs                  |   | Total                                   | 26,012   |
| 9:30 PM            |  |                 |                        | Arrive on location                            |                    | 111116  | MATE     | roi      | DOES                  |   | REMARKS                                 |  |
| 9:35 PM            |  |                 |                        | Safety meeting                                |                    |         |          |          | <b>†</b>              |   |   |  |
| 9:40 PM            |  |                 |                        | Rig up equipment                              |                    |         |          |          |                       |   | *************************************** |  |
| 9:50 PM            | 5.0  | 200.0           | 62.0                   | Mix 50 sks @ 3469 and displa                  | ce                 |         |          | ~        |                       |   |   |  |
| 12:15 AM           | 5.0  | 210.0           | 24.0                   | Mix 50 sks @ 1080 and displa                  | ce                 |         |          |          |                       |   |   |  |
| 12:54 AM           | 5.0  | 200.0           | 23.0                   | Mix 100 sks @ 560 and displa                  | ce                 |         |          | 15       |                       |   |   |  |
| 1:20 AM<br>2:15 AM | 5.0<br>3.0   | 190.0<br>120.0  | 12.0<br>10.0           | Mix 50 sks @ 270                              |                    |         |          |          | ļ                     | ****                                    |   |  |
| 2:25 AM            | 3.0  | 120.0           | 10.0                   | Mix 10 sks @ 40 and 30 sks R<br>Wash up       | H                  |         |          |          |                       |   |   |  |
| 2:30 AM            | İ  |                 | i                      | Rig down                                      | i                  |         |          |          |                       |   |   |  |
| 2:40 AM            |  |                 |                        | Depart  |                    |         |          |          |                       |   |   |  |
|                    |  |                 |                        |   |                    |         |          |          |                       |   | 5070                                    |  |
|                    |  |                 |                        |   |                    |         |          |          |                       | - 110                                   |   |  |
|                    | <u>                                     </u>   |                 |                        |   |                    |         |          |          |                       |   |   |  |
|                    |  |                 |                        |   |                    |         |          |          |                       |   |   |  |
|                    |  |                 |                        | 1794  |                    |         | -        |          | <br>                  |   |   |  |
|                    |  |                 | İ                      |   |                    |         |          |          |                       |   | 07 10 100                               |  |
|                    |  |                 |                        |   | İ                  |         |          |          |                       |   |   |  |
|                    |  |                 |                        |   |                    |         |          |          |                       |   |   |  |
|                    |  |                 |                        |   |                    |         |          |          |                       |   |   |  |
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|                    |  |                 |                        |   | $\dashv$           |         | -+       |          |                       |   |   |  |
|                    |  |                 |                        |   |                    |         |          |          |                       | *************************************** | *************************************** |  |
|                    |  |                 |                        |   |                    |         |          |          | 1                     |   |   |  |
|                    |  | CREW            |                        | UNIT  |                    |         |          |          |                       | SUMMARY                                 | •                                       |  |
|                    | nenter:  | D               | ane Retzi              | off 78  |                    | [       | Average  | Rate     | Averag                | e Pressure                              | Total Fluid                             |  |
| Pump Ope           | -  |                 | nael Reba              |   | _                  | -       | 4.6 b    | pm       | 184.00                | psi                                     | 131.00 bb                               | s  |
|                    | ulk #1:<br>ulk #2:   |                 | losh Mosi<br>John Poll |   | 180.0              |         |          |          |                       |   |   |  |
|                    | THE PARTY OF THE P |                 | 2                      | <u>,                                     </u> |                    |         |          |          |                       |   |   |  |