

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 # _____

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
12
 2018

DST #1 **Formation: LANS/KC 'C-F'** **Test Interval: 3757 - 3850'** **Total Depth: 3850'**
 Time On: 11:08 05/12 Time Off: 18:18 05/12
 Time On Bottom: 13:10 05/12 Time Off Bottom: 16:35 05/12

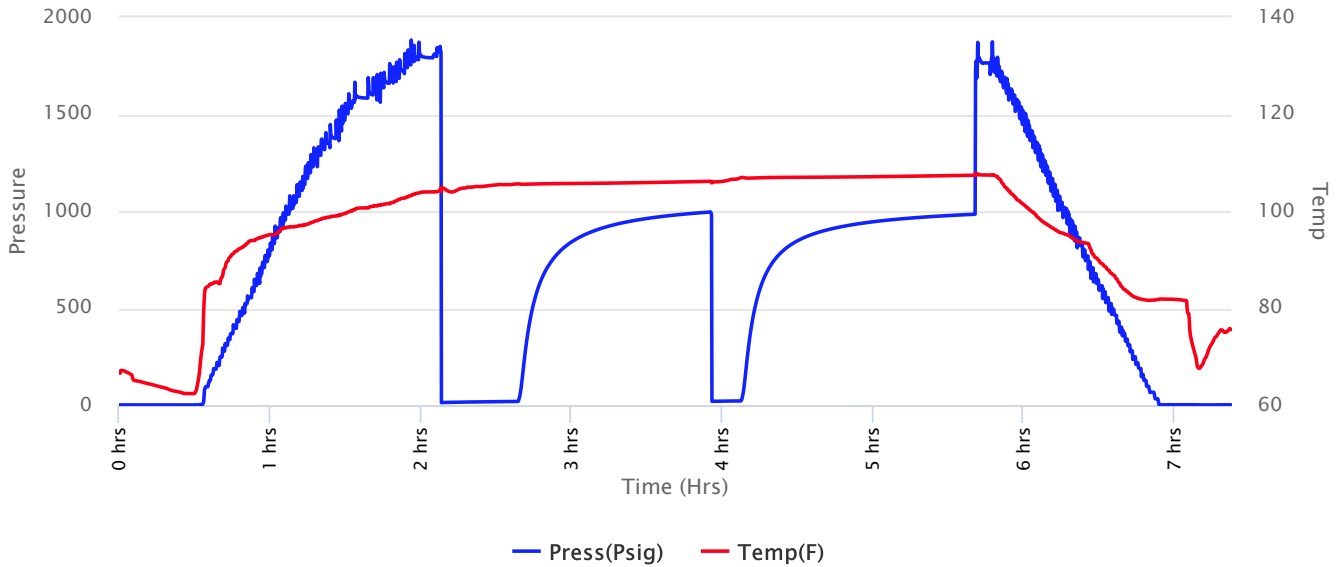
Electronic Volume Estimate:
 11'

1st Open
 Minutes: 30
 1.1" at 30 min

1st Close
 Minutes: 75
 0" at 75 min

2nd Open
 Minutes: 10
 0" at 10 min

2nd Close
 Minutes: 90
 0" at 90 min





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DATE
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12
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 Time On: 11:08 05/12 Time Off: 18:18 05/12
 Time On Bottom: 13:10 05/12 Time Off Bottom: 16:35 05/12

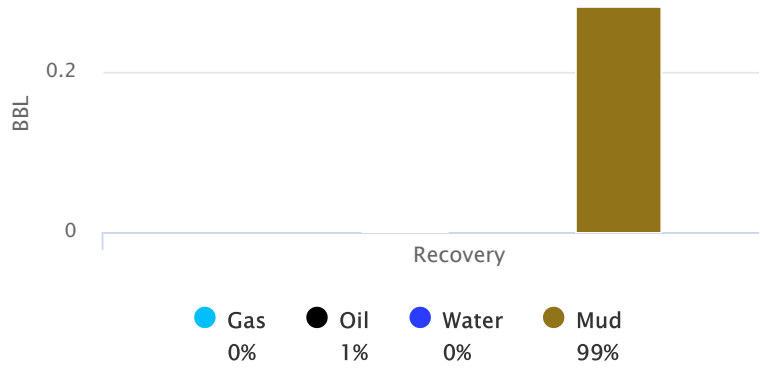
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.2846	SLOCM	0	1	0	99

Total Recovered: 20 ft
 Total Barrels Recovered: 0.2846

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1796	PSI
Initial Flow	14 to 20	PSI
Initial Closed in Pressure	997	PSI
Final Flow Pressure	21 to 23	PSI
Final Closed in Pressure	985	PSI
Final Hydrostatic Pressure	1766	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	1.1	%



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Lease: J. William Unit #1-29

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County: LOGAN
State: Kansas
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Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 12 2018

DST #1	Formation: LANS/KC 'C-F'	Test Interval: 3757 - 3850'	Total Depth: 3850'
	Time On: 11:08 05/12	Time Off: 18:18 05/12	
	Time On Bottom: 13:10 05/12	Time Off Bottom: 16:35 05/12	

REMARKS:

TOOL SAMPLE: 1%O - 99%M

IFP:WSB-INCREASING TO 1" IN 30 MINUTES

ISIP:NO BLOW BACK

FFP:NO BLOW-NO BUILD

FSIP:NO BLOW BACK



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 Elevation: 2761 EGL
 Field Name: Wildcat
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 Job Number: 154

DATE
May
12
2018

DST #1 **Formation:** **Test Interval: 3757 -** **Total Depth: 3850'**
LANS/KC 'C-F' **3850'**
 Time On: 11:08 05/12 Time Off: 18:18 05/12
 Time On Bottom: 13:10 05/12 Time Off Bottom: 16:35 05/12

Down Hole Makeup

Heads Up: 22.61 FT	Packer 1: 3752 FT
Drill Pipe: 3751.87 FT <i>ID-3 1/2</i>	Packer 2: 3757 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3741.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3827 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 93	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 63.5 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 24 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 12 2018

DST #1 **Formation:** **Test Interval: 3757 -** **Total Depth: 3850'**
LANS/KC 'C-F' **3850'**
Time On: 11:08 05/12 Time Off: 18:18 05/12
Time On Bottom: 13:10 05/12 Time Off Bottom: 16:35 05/12

Mud Properties

Mud Type: Chemical **Weight:** 49 **Viscosity:** 8.6 **Filtrate:** 6.4 **Chlorides:** 2000 ppm



Company: Trans Pacific Oil Corporation
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 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
May
12
2018

DST #1 **Formation: LANS/KC 'C-F'** **Test Interval: 3757 - 3850'** **Total Depth: 3850'**

Time On: 11:08 05/12 Time Off: 18:18 05/12
 Time On Bottom: 13:10 05/12 Time Off Bottom: 16:35 05/12

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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Company: Trans Pacific Oil Corporation

Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 13 2018

DST #2 Formation: LKC h,j,k Test Interval: 3900 - 3990' Total Depth: 3990'

Time On: 12:55 05/13 Time Off: 20:17 05/13
Time On Bottom: 14:55 05/13 Time Off Bottom: 18:25 05/13

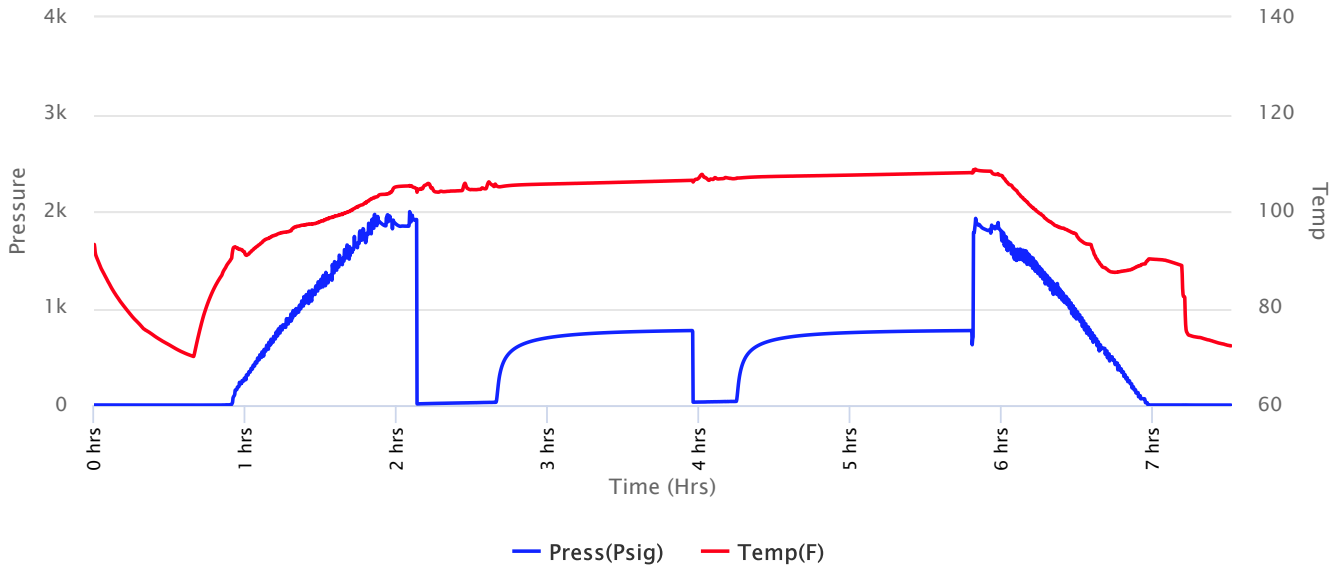
Electronic Volume Estimate:
23'

1st Open
Minutes: 30
2.2" at 30 min

1st Close
Minutes: 75
0" at 75 min

2nd Open
Minutes: 15
0" at 15 min

2nd Close
Minutes: 90
0" at 90 min





Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
13
 2018

DST #2 **Formation: LKC h,j,k** **Test Interval: 3900 - 3990'** **Total Depth: 3990'**
 Time On: 12:55 05/13 Time Off: 20:17 05/13
 Time On Bottom: 14:55 05/13 Time Off Bottom: 18:25 05/13

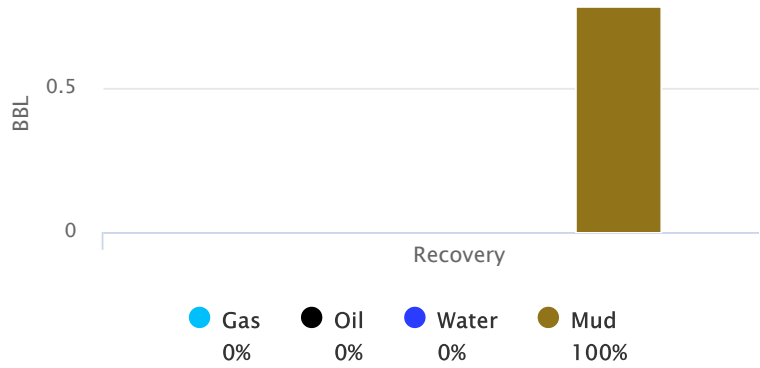
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
55	0.78265	M	0	0	0	100

Total Recovered: 55 ft
 Total Barrels Recovered: 0.78265

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1847	PSI
Initial Flow	14 to 31	PSI
Initial Closed in Pressure	771	PSI
Final Flow Pressure	32 to 40	PSI
Final Closed in Pressure	770	PSI
Final Hydrostatic Pressure	1843	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	0.0	%



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

<p>DATE May 13 2018</p>

DST #2 **Formation: LKC h,j,k** **Test Interval: 3900 - 3990'** **Total Depth: 3990'**

Time On: 12:55 05/13

Time Off: 20:17 05/13

Time On Bottom: 14:55 05/13

Time Off Bottom: 18:25 05/13

REMARKS:

If: web built to 2.2

Ic: nobb

Ff: no blow no build

Fc: nobb

Tool sample: 100% m



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
May
13
2018

DST #2 **Formation: LKC h,j,k** **Test Interval: 3900 - 3990'** **Total Depth: 3990'**
 Time On: 12:55 05/13 Time Off: 20:17 05/13
 Time On Bottom: 14:55 05/13 Time Off Bottom: 18:25 05/13

Down Hole Makeup

Heads Up: 38.32 FT	Packer 1: 3895 FT
Drill Pipe: 3910.58 FT <i>ID-3 1/2</i>	Packer 2: 3900 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3884.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3973 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 90	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 63.5 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 21 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 13 2018

DST #2 **Formation: LKC h,j,k** **Test Interval: 3900 - 3990'** **Total Depth: 3990'**

Time On: 12:55 05/13 Time Off: 20:17 05/13
Time On Bottom: 14:55 05/13 Time Off Bottom: 18:25 05/13

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 55 **Filtrate:** 7.6 **Chlorides:** 3200 ppm



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE
May
13
2018

DST #2 Formation: LKC h,j,k Test Interval: 3900 - 3990' Total Depth: 3990'
Time On: 12:55 05/13 Time Off: 20:17 05/13
Time On Bottom: 14:55 05/13 Time Off Bottom: 18:25 05/13

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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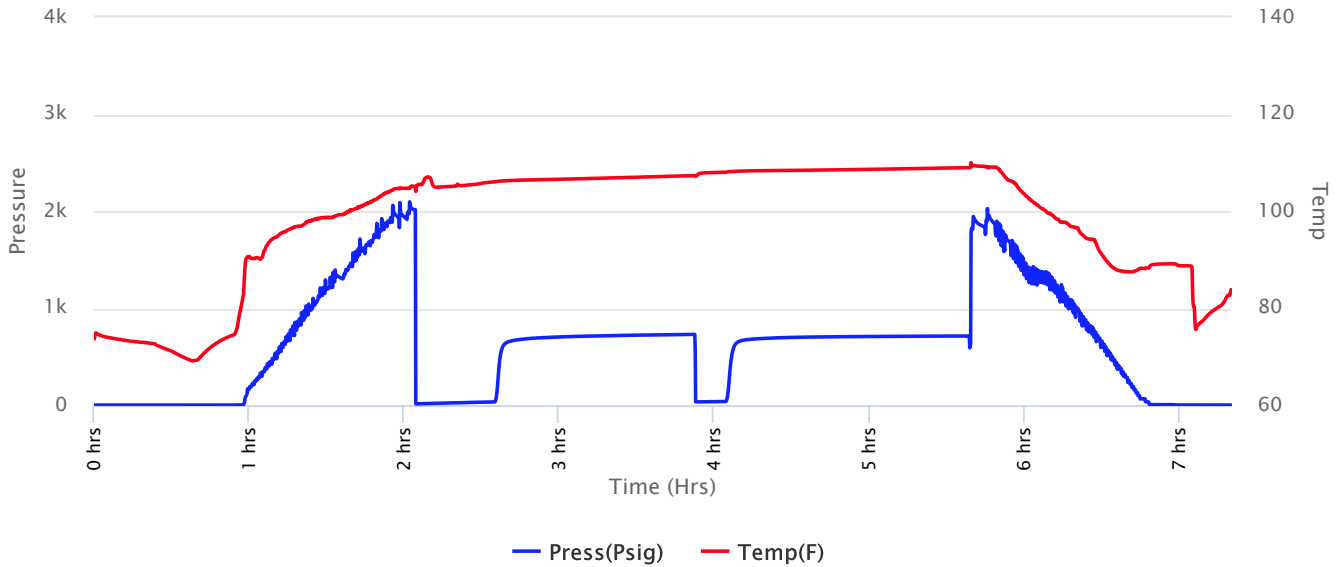
Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
14
 2018

DST #3 **Formation: LKC k & L, pleasanton** **Test Interval: 3987 - 4086'** **Total Depth: 4086'**
 Time On: 09:56 05/14 Time Off: 17:03 05/14
 Time On Bottom: 11:55 05/14 Time Off Bottom: 15:20 05/14

Electronic Volume Estimate: 32'	<u>1st Open</u> Minutes: 30 3" at 30 min	<u>1st Close</u> Minutes: 75 0" at 75 min	<u>2nd Open</u> Minutes: 10 0" at 10 min	<u>2nd Close</u> Minutes: 90 0" at 90 min
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Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
14
 2018

DST #3 **Formation: LKC k & L, pleasanton** **Test Interval: 3987 - 4086'** **Total Depth: 4086'**
 Time On: 09:56 05/14 Time Off: 17:03 05/14
 Time On Bottom: 11:55 05/14 Time Off Bottom: 15:20 05/14

Recovered

Foot	BBLs
40	0.5692

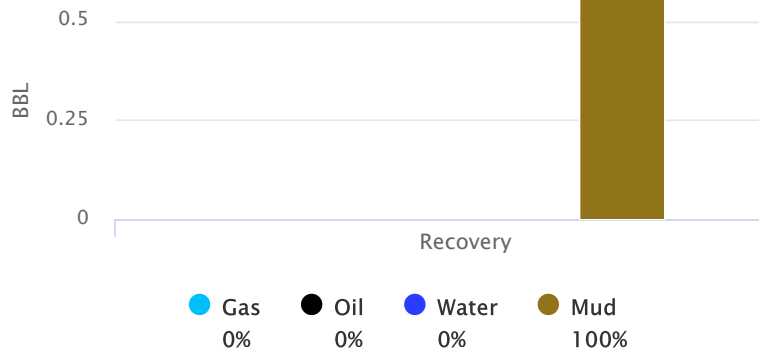
Description of Fluid	Gas %	Oil %	Water %	Mud %
M	0	0	0	100

Total Recovered: 40 ft
 Total Barrels Recovered: 0.5692

Reversed Out
 NO

Initial Hydrostatic Pressure	1946	PSI
Initial Flow	14 to 36	PSI
Initial Closed in Pressure	731	PSI
Final Flow Pressure	35 to 39	PSI
Final Closed in Pressure	713	PSI
Final Hydrostatic Pressure	1941	PSI
Temperature	109	°F
Pressure Change Initial Close / Final Close	2.5	%

Recovery at a glance





Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

<p>DATE May 14 2018</p>

DST #3	Formation: LKC k & L , pleasanton	Test Interval: 3987 - 4086'	Total Depth: 4086'
	Time On: 09:56 05/14	Time Off: 17:03 05/14	
	Time On Bottom: 11:55 05/14	Time Off Bottom: 15:20 05/14	

REMARKS:

If: wsb built to 3" in 30min
Ic: nobb
Ff: no BLOW- NO build
Fc: nobb

Tool sample: 2%O - 3%W - 95%M
LIGHT TRACE OF OIL IN 40FT RECOVERY



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE May 14 2018

DST #3 **Formation: LKC k & L , pleasanton** **Test Interval: 3987 - 4086'** **Total Depth: 4086'**

Time On: 09:56 05/14 Time Off: 17:03 05/14
 Time On Bottom: 11:55 05/14 Time Off Bottom: 15:20 05/14

Down Hole Makeup

Heads Up: 14.55 FT	Packer 1: 3982 FT
Drill Pipe: 3973.81 FT <i>ID-3 1/2</i>	Packer 2: 3987 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3971.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 4057 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 99	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 63.5 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 30 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 14 2018

DST #3 **Formation: LKC k & L , pleasanton** **Test Interval: 3987 - 4086'** **Total Depth: 4086'**
Time On: 09:56 05/14 Time Off: 17:03 05/14
Time On Bottom: 11:55 05/14 Time Off Bottom: 15:20 05/14

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 55 **Filtrate:** 7.6 **Chlorides:** 3200 ppm



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
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DST #3 **Formation: LKC k & L , pleasanton** **Test Interval: 3987 - 4086'** **Total Depth: 4086'**

Time On: 09:56 05/14 Time Off: 17:03 05/14
 Time On Bottom: 11:55 05/14 Time Off Bottom: 15:20 05/14

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

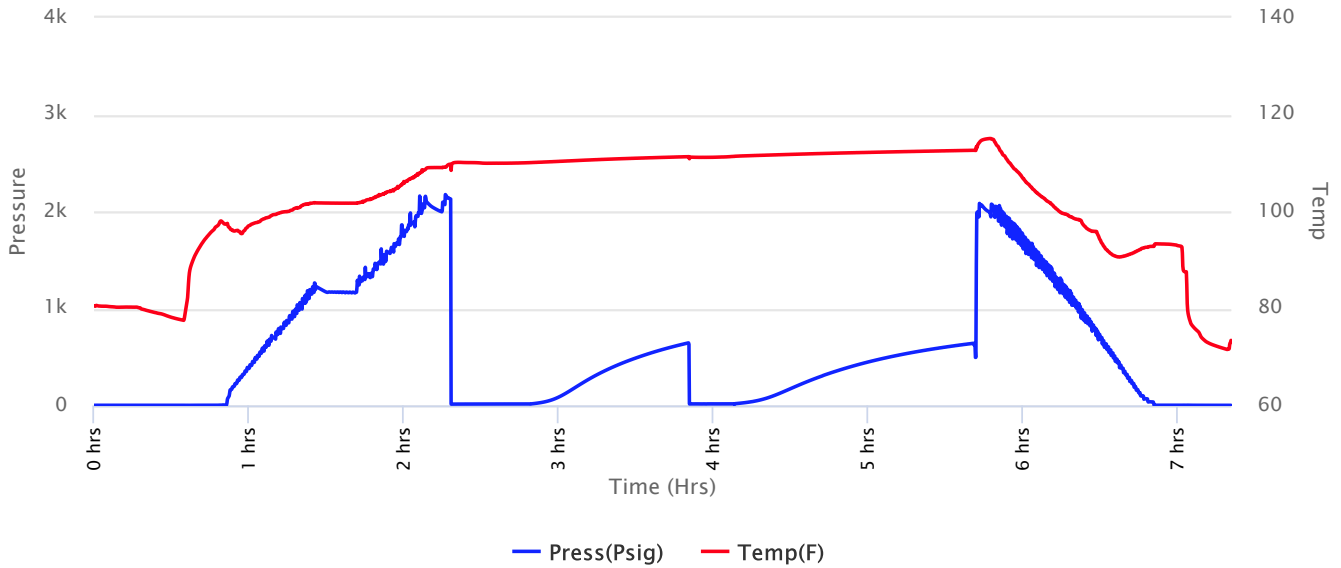
SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
15
 2018

DST #4 **Formation: Altamont/Pawnee/Myrick Station** **Test Interval: 4149 - 4251'** **Total Depth: 4251'**

Time On: 13:41 05/15 Time Off: 20:49 05/15
 Time On Bottom: 15:52 05/15 Time Off Bottom: 19:12 05/15

Electronic Volume Estimate:	<u>1st Open</u> Minutes: 30 0" at 30 min	<u>1st Close</u> Minutes: 60 0" at 60 min	<u>2nd Open</u> Minutes: 20 0" at 20 min	<u>2nd Close</u> Minutes: 90 0" at 90 min
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Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
15
 2018

DST #4 **Formation:** **Test Interval: 4149 -** **Total Depth: 4251'**
 Altamont/Pawnee/Myrick **4251'**
 Station

Time On: 13:41 05/15 Time Off: 20:49 05/15
 Time On Bottom: 15:52 05/15 Time Off Bottom: 19:12 05/15

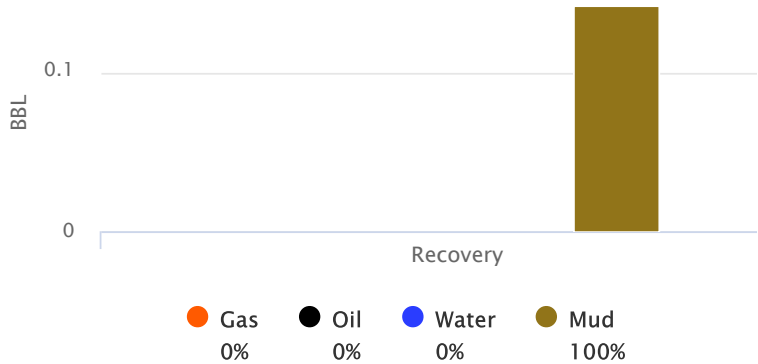
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.1423	M	0	0	0	100

Total Recovered: 10 ft
 Total Barrels Recovered: 0.1423

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2051	PSI
Initial Flow	14 to 16	PSI
Initial Closed in Pressure	646	PSI
Final Flow Pressure	16 to 17	PSI
Final Closed in Pressure	641	PSI
Final Hydrostatic Pressure	2051	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	0.8	%



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 15 2018

DST #4 **Formation:** **Test Interval: 4149 -** **Total Depth: 4251'**
Altamont/Pawnee/Myrick **4251'**
Station

Time On: 13:41 05/15 Time Off: 20:49 05/15
Time On Bottom: 15:52 05/15 Time Off Bottom: 19:12 05/15

REMARKS:

Initial Flow: Weak, surface blow. Died in 25 mins.
Initial Shut-in: No blow back.
Final Flow: No blow. No build.
Final Shut-in: No blow back.

Tool Sample: 1% oil, 99% mud



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE May 15 2018

DST #4 **Formation:** **Test Interval: 4149 -** **Total Depth: 4251'**
 Altamont/Pawnee/Myrick **4251'**
 Station
 Time On: 13:41 05/15 Time Off: 20:49 05/15
 Time On Bottom: 15:52 05/15 Time Off Bottom: 19:12 05/15

Down Hole Makeup

Heads Up: 41.41 FT	Packer 1: 4144 FT
Drill Pipe: 4162.67 FT <i>ID-3 1/2</i>	Packer 2: 4149 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4133.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 4219 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 102	Surface Choke: 1"
	Bottom Choke: 5/8"
<u>Anchor Makeup</u>	
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 63.5 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 33 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 15 2018

DST #4 **Formation:** **Test Interval: 4149 -** **Total Depth: 4251'**
 Altamont/Pawnee/Myrick **4251'**
 Station

Time On: 13:41 05/15 Time Off: 20:49 05/15
Time On Bottom: 15:52 05/15 Time Off Bottom: 19:12 05/15

Mud Properties

Mud Type: Chemical **Weight:** 9.5 **Viscosity:** 55 **Filtrate:** 10.4 **Chlorides:** 3,400 ppm



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
May
15
2018

DST #4 Formation: Test Interval: 4149 - Total Depth: 4251'
 Altamont/Pawnee/Myrick 4251'
 Station
 Time On: 13:41 05/15 Time Off: 20:49 05/15
 Time On Bottom: 15:52 05/15 Time Off Bottom: 19:12 05/15

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
------	---------	-----	-------



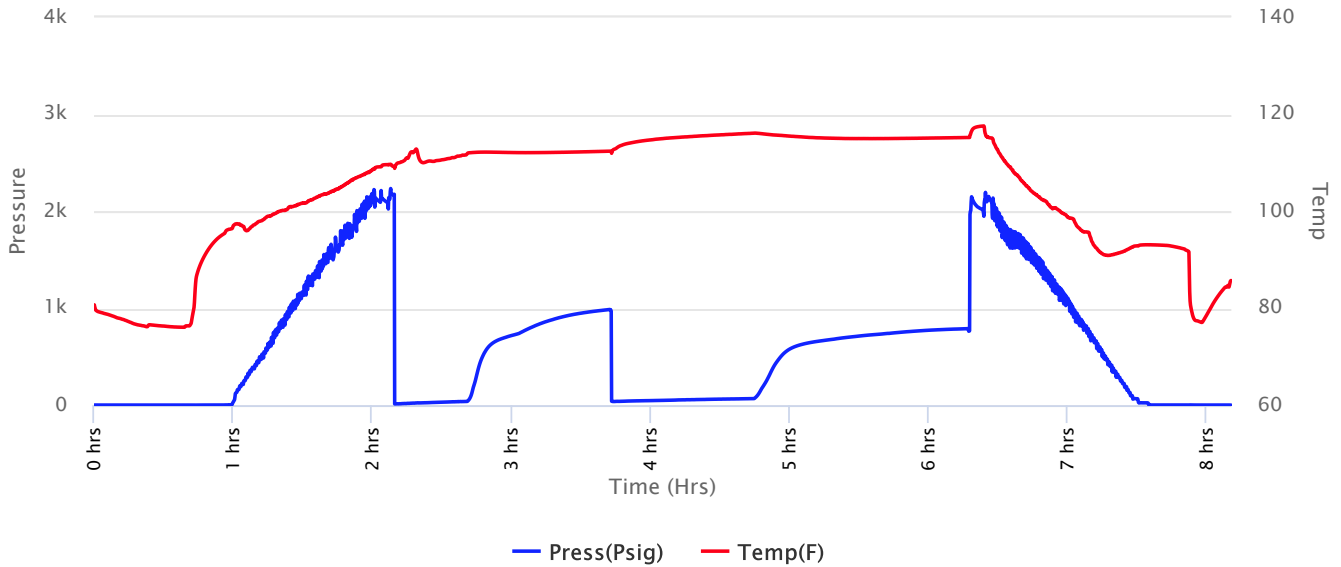
Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
16
 2018

DST #5 **Formation: JOHNSON** **Test Interval: 4292 - 4360'** **Total Depth: 4360'**
 Time On: 12:04 05/16 Time Off: 20:01 05/16
 Time On Bottom: 14:06 05/16 Time Off Bottom: 18:06 05/16

Electronic Volume Estimate: 113'	<u>1st Open</u> Minutes: 30 4" at 30 min	<u>1st Close</u> Minutes: 60 0" at 60 min	<u>2nd Open</u> Minutes: 60 5.75" at 60 min	<u>2nd Close</u> Minutes: 90 0" at 90 min
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Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
16
 2018

DST #5 **Formation: JOHNSON** **Test Interval: 4292 - 4360'** **Total Depth: 4360'**
 Time On: 12:04 05/16 Time Off: 20:01 05/16
 Time On Bottom: 14:06 05/16 Time Off Bottom: 18:06 05/16

Recovered

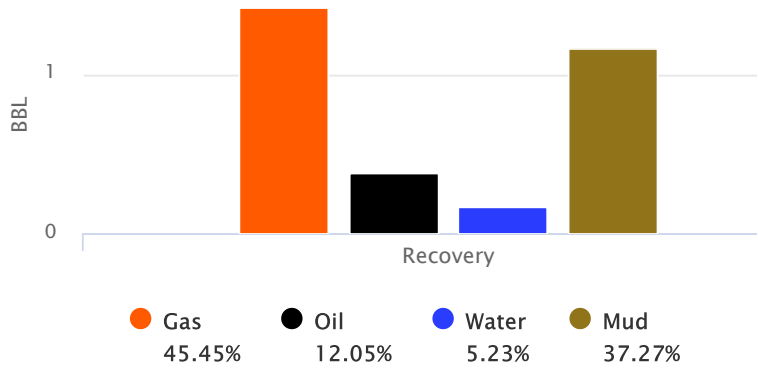
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
100	1.423	G	100	0	0	0
20	0.2846	O	0	100	0	0
30	0.4269	SLWCSLOCM	0	3	1	96
70	0.9961	SLOCSLWCM	0	8	16	76

Total Recovered: 220 ft
 Total Barrels Recovered: 3.1306

Reversed Out
 NO

Initial Hydrostatic Pressure	2104	PSI
Initial Flow	14 to 40	PSI
Initial Closed in Pressure	988	PSI
Final Flow Pressure	41 to 69	PSI
Final Closed in Pressure	790	PSI
Final Hydrostatic Pressure	2085	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	20.0	%

Recovery at a glance





Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 16 2018

DST #5	Formation: JOHNSON	Test Interval: 4292 - 4360'	Total Depth: 4360'
	Time On: 12:04 05/16	Time Off: 20:01 05/16	
	Time On Bottom: 14:06 05/16	Time Off Bottom: 18:06 05/16	

REMARKS:

TOOL SAMPLE: 10%O - 90%M

IFP: wsb-built to 4" in 30min

ISIP: nobb

FFP: no blow-built to 5.75" in 60min

FSIP: nobb

Gravity: 29 @ 60 degrees F

Ph: 9

RW: .38 @ 78 degrees F

Chlorides: 21000 ppm



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE May 16 2018

DST #5 **Formation: JOHNSON** **Test Interval: 4292 - 4360'** **Total Depth: 4360'**

Time On: 12:04 05/16 Time Off: 20:01 05/16
 Time On Bottom: 14:06 05/16 Time Off Bottom: 18:06 05/16

Down Hole Makeup

Heads Up: 24.3 FT	Packer 1: 4287 FT
Drill Pipe: 4288.56 FT <i>ID-3 1/2</i>	Packer 2: 4292 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4276.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 4330 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 68	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 31 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 16 2018

DST #5 **Formation: JOHNSON** **Test Interval: 4292 - 4360'** **Total Depth: 4360'**
Time On: 12:04 05/16 Time Off: 20:01 05/16
Time On Bottom: 14:06 05/16 Time Off Bottom: 18:06 05/16

Mud Properties

Mud Type: CHEMICAL **Weight:** 9.3 **Viscosity:** 56 **Filtrate:** 8.0 **Chlorides:** 3700 ppm



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
May
16
2018

DST #5 **Formation: JOHNSON** **Test Interval: 4292 - 4360'** **Total Depth: 4360'**

Time On: 12:04 05/16 Time Off: 20:01 05/16
 Time On Bottom: 14:06 05/16 Time Off Bottom: 18:06 05/16

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
17
 2018

DST #6 Formation: Morrow Test Interval: 4354 - 4404' Total Depth: 4404'

Time On: 07:59 05/17 Time Off: 15:17 05/17
 Time On Bottom: 09:56 05/17 Time Off Bottom: 13:11 05/17

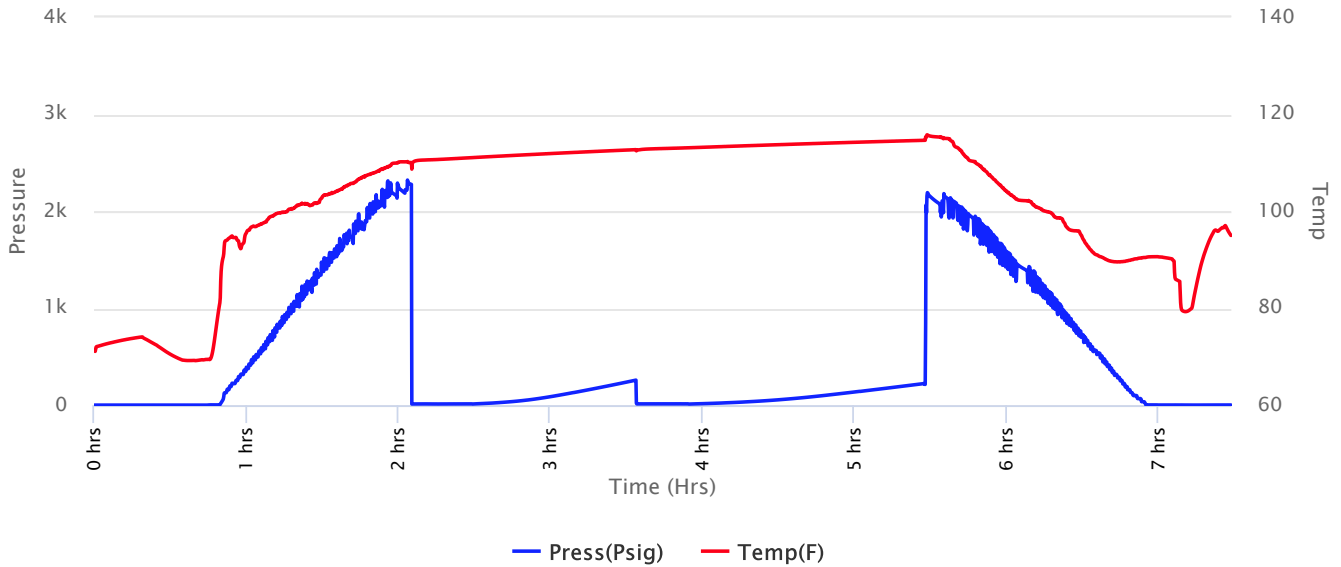
Electronic Volume Estimate:
 0'

1st Open
 Minutes: 25
 0" at 25 min

1st Close
 Minutes: 60
 0" at 60 min

2nd Open
 Minutes: 20
 0" at 20 min

2nd Close
 Minutes: 90
 0" at 90 min





Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
 May
17
 2018

DST #6 **Formation: Morrow** **Test Interval: 4354 - 4404'** **Total Depth: 4404'**
 Time On: 07:59 05/17 Time Off: 15:17 05/17
 Time On Bottom: 09:56 05/17 Time Off Bottom: 13:11 05/17

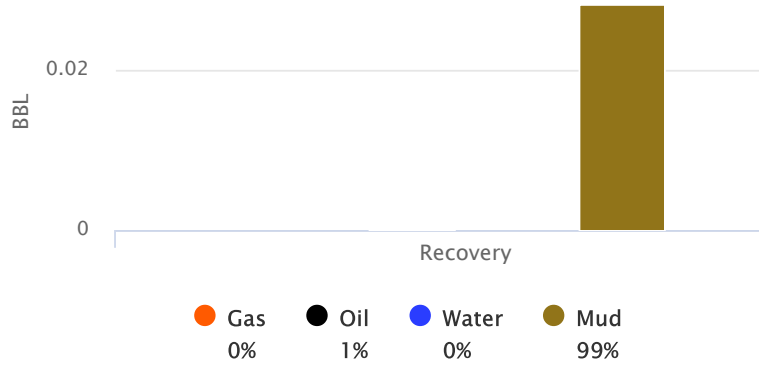
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2	0.02846	SLOCM	0	1	0	99

Total Recovered: 2 ft
 Total Barrels Recovered: 0.02846

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2210	PSI
Initial Flow	13 to 14	PSI
Initial Closed in Pressure	260	PSI
Final Flow Pressure	14 to 15	PSI
Final Closed in Pressure	224	PSI
Final Hydrostatic Pressure	2188	PSI
Temperature	115	°F
Pressure Change Initial Close / Final Close	13.6	%



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

<p>DATE May 17 2018</p>

DST #6 Formation: Morrow Test Interval: 4354 - 4404' Total Depth: 4404'

Time On: 07:59 05/17 Time Off: 15:17 05/17
Time On Bottom: 09:56 05/17 Time Off Bottom: 13:11 05/17

REMARKS:

If:wsb died in 20min

Ic:nobb

Ff:no blow no build

Fc:nobb

Tool sample: 2%O - 98%M



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
May
17
2018

DST #6 Formation: Morrow Test Interval: 4354 - 4404' Total Depth: 4404'

Time On: 07:59 05/17 Time Off: 15:17 05/17
 Time On Bottom: 09:56 05/17 Time Off Bottom: 13:11 05/17

Down Hole Makeup

Heads Up: 24.95 FT	Packer 1: 4349 FT
Drill Pipe: 4351.21 FT <i>ID-3 1/2</i>	Packer 2: 4354 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4338.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 4392 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 50	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 13 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 1
Elevation: 2761 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 154

DATE May 17 2018

DST #6 Formation: Morrow Test Interval: 4354 - 4404' Total Depth: 4404'
Time On: 07:59 05/17 Time Off: 15:17 05/17
Time On Bottom: 09:56 05/17 Time Off Bottom: 13:11 05/17

Mud Properties

Mud Type: Chemical **Weight:** 9.3 **Viscosity:** 56 **Filtrate:** 8.0 **Chlorides:** 3700 ppm



Company: Trans Pacific Oil Corporation
Lease: J. William Unit #1-29

SEC: 29 TWN: 14S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2761 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 154

DATE
May
17
2018

DST #6 Formation: Morrow Test Interval: 4354 - 4404' Total Depth: 4404'

Time On: 07:59 05/17 Time Off: 15:17 05/17
 Time On Bottom: 09:56 05/17 Time Off Bottom: 13:11 05/17

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



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

Well Name: J William Unit #1-29
 API: 15-109-21547
 Location: SECTION 29-14S-32W
 License Number: 9408
 Spud Date: 5/7/2018
 Surface Coordinates: 80' FSL & 780' FWL

Region: Logan County, KS.
 Drilling Completed: 5/18/2018

Bottom Hole
 Coordinates:
 Ground Elevation (ft): 2758' K.B. Elevation (ft): 2770'
 Logged Interval (ft): 3500' To: TD Total Depth (ft): 4490'
 Formation: MISSISSIPPI
 Type of Drilling Fluid: Chemical Mud

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


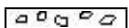

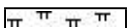







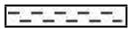

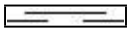




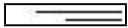
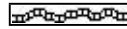
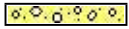

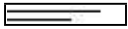
OPERATOR

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

ROCK TYPES

 Sltstn	 Brec	 Dol	 Mrlst	 Sltst
 Grysh	 Cht	 Gyp	 Salt	 Ss
 Dolm	 Clyst	 Igne	 Shale	 Till
 Anhy	 Blksh	 Lmst	 Shcol	
 Bent	 Congl	 Meta	 Shgy	

ACCESSORIES

- MINERAL**
- Anhy
 - Arggrn
 - Arg
 - Bent
 - Bit
 - Breclfrag
 - Calc
 - Carb
 - Chtdk
 - Chtlt
 - Dol
 - Feldspar
 - Ferrpel
 - Ferr
 - Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

- FOSSIL**
- Algae
 - Amph
 - Belm
 - Bioclst
 - Brach
 - Bryozoa
 - Cephal
 - Coral
 - Crin
 - Echin
 - Fish
 - Foram
 - Fossil
 - Gastro
 - Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

- STRINGER**
- Anhy
 - Arg
 - Bent
 - Coal
 - Dol
 - Gyp
 - Ls
 - Mrst

- Siltstrg
- Ssstrg

- TEXTURE**
- Boundst
 - Chalky
 - Cryxln
 - Earthy
 - Finexln
 - Grainst
 - Lithogr
 - Microxln
 - Mudst
 - Packst
 - Wackest

OTHER SYMBOLS

- POROSITY**
- Earthy
 - Fenest
 - Fracture
 - Inter
 - Moldic
 - Organic
 - Pinpoint

- Vuggy
- SORTING**
- Well
 - Moderate
 - Poor

- ROUNDING**
- Rounded
 - Subrnd
 - Subang
 - Angular

- OIL SHOW**
- Even

- Spotted
- Ques
- Gas
- Dead

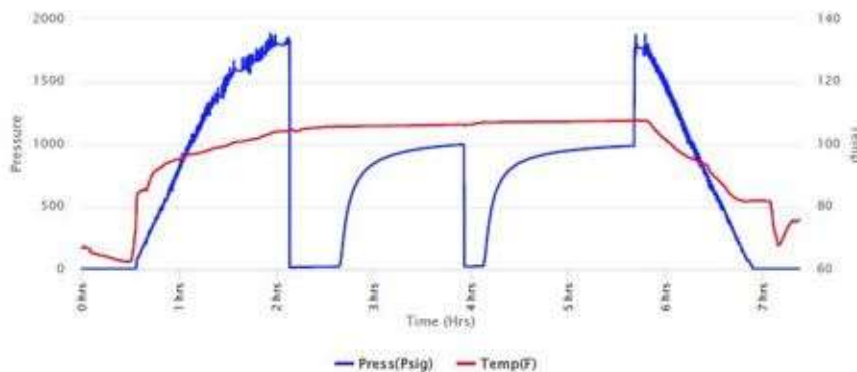
- INTERVAL**
- Core
 - Dst1

- Dst

- EVENT**
- Rft
 - Sidewall

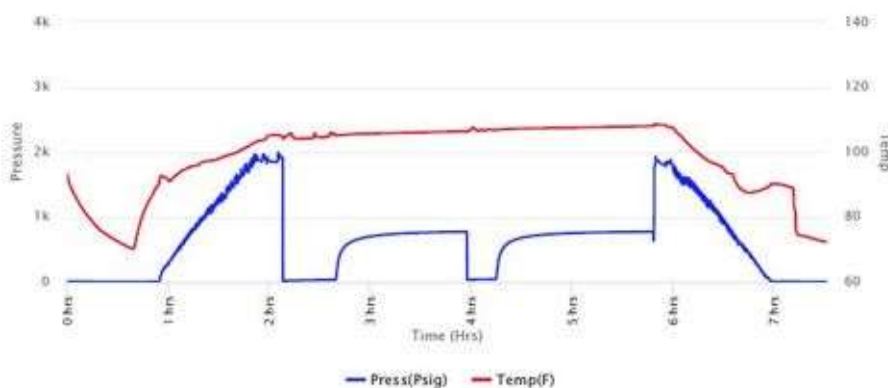
DST #1

LKC 'C' - 'F'
 3757'-3850' 30-75-10-90
 IF: WSB - BUILT TO 1"
 IS: NO RETURN.
 FF: NO BLOW.
 FS: NO RETURN.
 RECOVERED: 20' SLI OCM (1%O)
 HP: 1796-1766 PSI
 IF: 14-20 PSI
 FF: 21-23 PSI
 SIP: 997-985 PSI



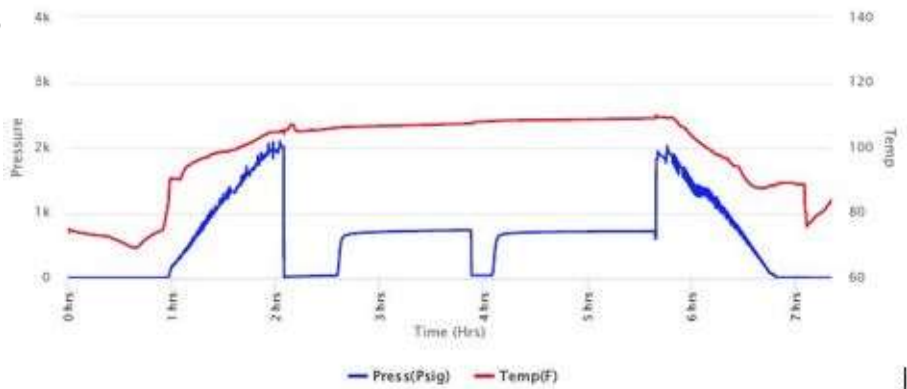
DST #2

LKC 'H'-'K'
 3900'-3990' 30-75-15-90
 IF: WSB - BUILT TO 2.2"
 IS: NO RETURN.
 FF: NO BLOW.
 FS: NO RETURN.
 RECOVERED: 55' MUD
 HP: 1847-1843 PSI
 IF: 14-31 PSI
 FF: 32-40 PSI
 SIP: 771-770 PSI



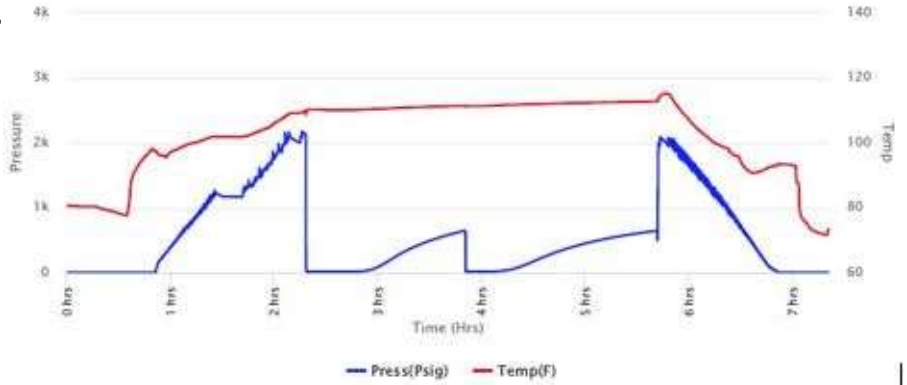
DST #3

LKC 'K', 'L', PLEASANTON
3987-4086' 30-75-10-90
IF: WSB - BUILT TO 3"
IS: NO RETURN.
FF: NO BLOW.
FS: NO RETURN.
RECOVERED: 40' MUD
HP: 1946-1941 PSI
IF: 14-36 PSI
FF: 35-39 PSI
SIP: 731-713 PSI



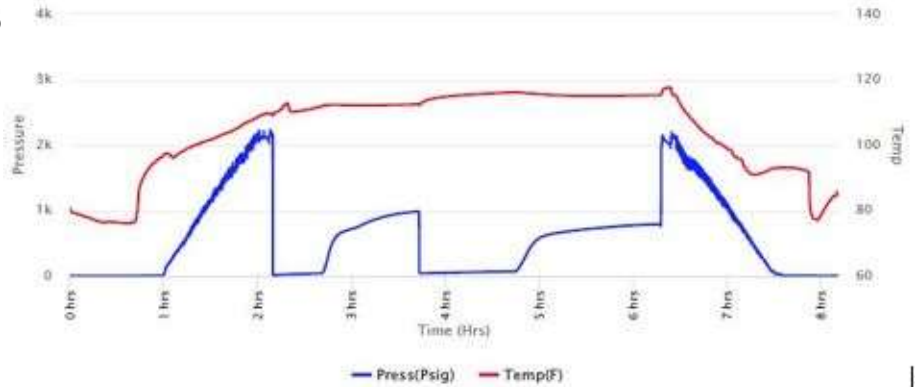
DST #4

ALTAMONT, PAWNEE, MYRICK STATION
4149-4251' 30-60-20-90
IF: WSB - DIED IN 25"
IS: NO RETURN.
FF: NO BLOW.
FS: NO RETURN.
RECOVERED: 10' MUD
HP: 2051-2051 PSI
IF: 14-16 PSI
FF: 16-17 PSI
SIP: 646-641 PSI



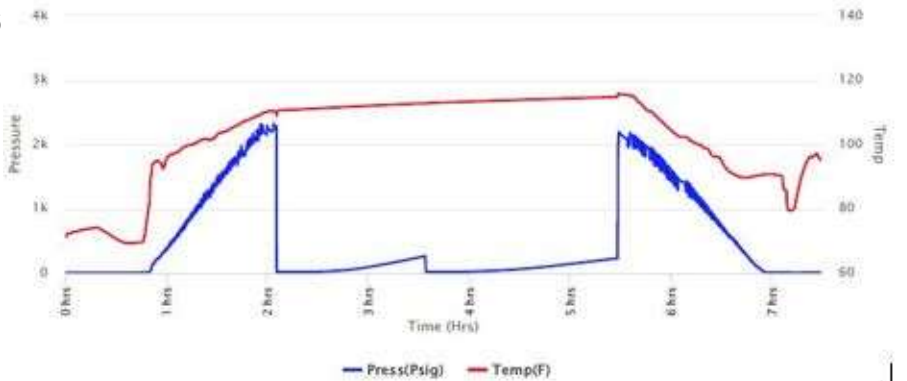
DST #5

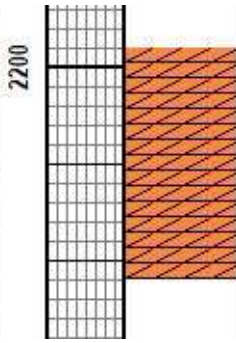
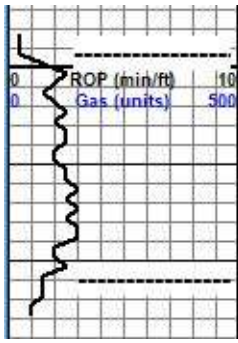
JOHNSON
4292-4360' 30-60-60-90
IF: WSB - BUILT TO 4"
IS: NO RETURN.
FF: 5.75" BLOW
FS: NO RETURN.
RECOVERED: 100' GAS, 20'
CO, 30' SW&OCM, 70'
SO&WCM.
HP: 2104-2085 PSI
IF: 14-40 PSI
FF: 41-69 PSI
SIP: 988-790 PSI



DST #6

MORROW
4354-4404' 25-60-20-90
IF: WSB - DIED IN 20"
IS: NO RETURN.
FF: NO BLOW.
FS: NO RETURN.
RECOVERED: 2' SLI OCM (1%O)
HP: 2210-2188 PSI
IF: 13-14 PSI
FF: 14-15 PSI
SIP: 260-224 PSI

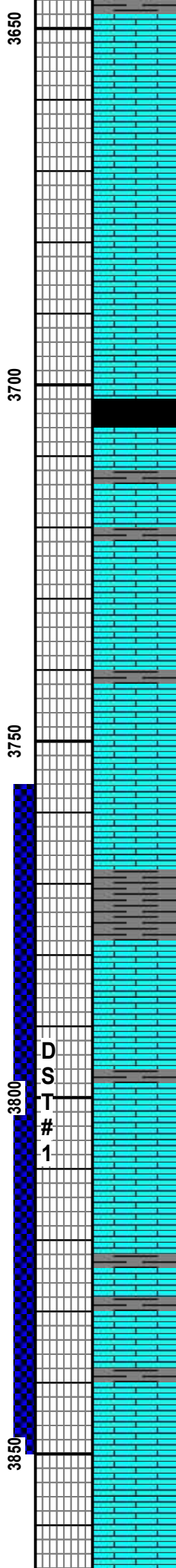
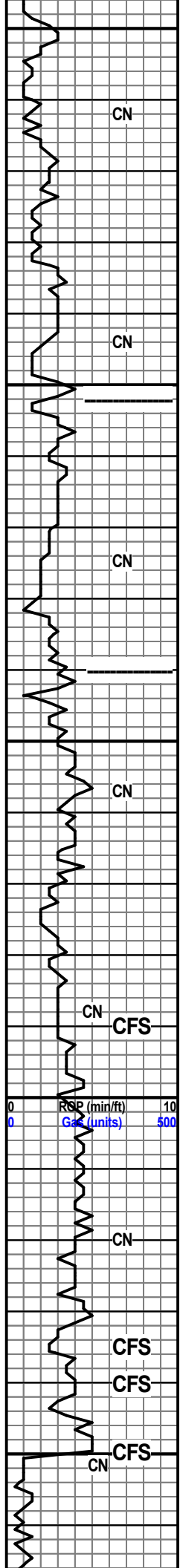




ANH.2199'(+571')LOG2199'(+571')

BASE2221'(+549')LOG2222'(+548')

Curve Track 1 ROP (min/ft) ——— Gas (units) - - - - -	Depth	Porosity	Lithology	Geological Descriptions	Comments
	3500 3550	24% 18% 12% 6%		<p>GEO ON LOCATION @ 1:45 PM 5/11/2018</p>	<p>MUD PROP. @ 3510' WT: 8.6 VIS: 49 WL: 6.4 CC: 2000 LCM: 2#</p>
	3550 3600				
	3600 3650			<p>LS: GRY - TAN, F XLN, DSE, POOR INT XLN POR, SUB CHLKY IN PT, NS. RD SH THRUOUT.</p>	



LS: GRY - TAN, F XLN, DSE, SUB CHLKY IN PT. BLK SH IN PT.

LS: TAN - GRY, F XLN, DSE, POOR POR, SUB CHLKY IN PT, FEW FOSS, NS.

LS: TAN - CRM, F XLN, DSE, POOR POR, NS. ABUNDANT SH: GRY - BLK - RED.

LS: TAN - GRY, F XLN, DSE, POOR PPT POR, CHLKY IN PT, NS. SH IN PT: AA.

LS: TAN - GRY, F XLN, DSE, NS. ABUNDANT GRY & ORGSH-RD SH.

HEEB.3702'(-932')LOG3704'(-934')
SH: BLK, CARB.

LS: TAN - GRY, F XLN, DSE, POOR POR, NS, NO ODOR.

LS: AA.ABUNDANT GRY GUMMY SH.

LS: OFF WHT - TAN, F XLN, FEW FOSS, POOR VUGGY POR, NS, NO ODOR. GRY & RED SH IN PT. CHLKY THRUOUT.

LANS.3740'(-970')LOG3744'(-974')

LS: WHT - TAN, F XLN, DSE, POOR INT XLN POR, CHLKY IN PT, NS, NO ODOR.

LS: OFF WHT - GRY, F XLN, DSE, POOR PPT POR, FEW OOL PCS, SUB CHLKY IN PT. NS, NO ODOR. SH: GRY.

LS: OFF WHT - CRM, MICRO - F XLN, V DSE, POOR PPT POR, NS, NO ODOR.

LS: AA, SUB CHLKY IN PT. GRY - DRK GRY SH IN PT.

ABUNDANT RED GUMMY CLAY.

LS: TAN - GRY, F XLN, DSE, SIME PCS OOL W/ POOR INT OOL POR W/ VSSFO ON BRK, DRK BRN SPOTTY STN, FAINT ODOR.

LS: TAN - GRY, F XLN, 2 PCS OOL W/ POOR INT OOL POR & VSSFO ON BRK, NO ODOR.

LS: TAN - GRY, F XLN, DSE, POOR PPT POR, FEW PCS OOL, SPOTTY BRN STN IN PT, 4 PCS W/ VSSFO ON BRK, NO ODOR.

LS: TAN - GRY, F XLN, MOST DSE, 4 PCS W/ POOR PPT POR & FEW SMALL VUGS W/ SPOTTY BRN STN, VSSFO ON BRK, PR ODOR.

LS: TAN - GRY, MICRO - F XLN, V DSE, RARE SPOTTY STN IN PT, NS.

LS: TAN - GRY, F XLN, DSE, POOR PPT POR, NS, NO ODOR. SH IN PT: GRY & RD.

LS: TAN - GRY, F XLN, MOST DSE, POOR PPT & VUGGY POR, DRK SPOTTY STN IN PT, VSSFO ON BRK, V FAINT ODOR.

ABUNDANT SH: GRY - BLK - RD. LS: TAN - GRY, F XLN, DSE.

LS: TAN - CRM, OOLITIC, GD OOMOLDIC POR, NS, NO ODOR. SH: AA

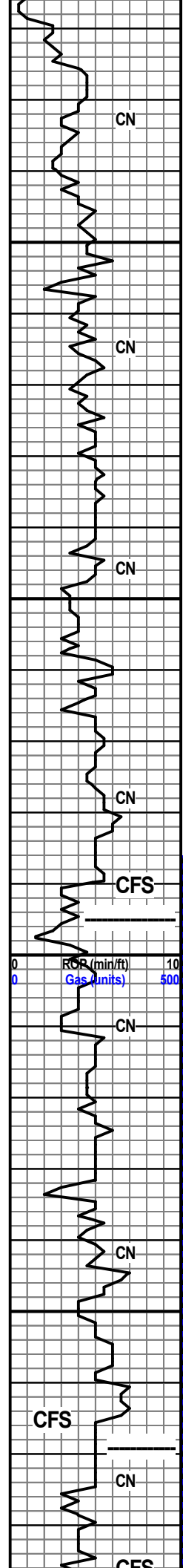
DST #1
3757-3850'

SEE HEADER FOR RESULTS

SURVEY @ 3850'
1 DEGREE

PIPE STRAP @ 3850'
1.02' LONG

MUD PROP.
@ 3850'
WT: 9.0
VIS: 44
WL: 7.2
CC: 2500



3900
3950
4000
4050
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D
S
T

3

LS: TAN - GRY, F XLN, DSE, SME POOR PPT POR, NS, NO ODOR. CHLKY THRUOUT. SH: GRY - DRK GRY.

LS: TAN - GRY, F XLN, MOST DSE, POOR PPT POR, 1 PC W/ DRK BLK DEAD STN, NSFO, NO ODOR. SH: GRY - RD.

LS: TAN - GRY, F XLN, V DSE, MOTT IN PT, POOR PPT POR, NS, NO ODOR. CHLKY IN PT. SH: GRY - DRK GRY, FEWRD PCS.

LS: TAN - GRY, F XLN, MOST DSE, POOR PPT POR, FEW SMALL OOMOLDS, NS, NO ODOR. SH: AA.

LS: AAW/ RARE SPOTTY BRN DEAD STN, NSFO, NO ODOR.

LS: TAN - GRY, MICRO - F XLN, MOST DSE, POOR PPT POR W/ FEW SMALL VUGS, FEW PCS W/ SPOTTY STN, VSSFO ON BRK, NO ODOR. FRESH CHRT IN PT.

LS: AA.

LS: TAN - GRY, F XLN, DSE, POOR PPT POR, FEW CHIPS W/ RARE SPOTTY BRN STN, VSSFO ON BRK, FAINT ODOR. FRESH CHRT IN PT, SUB CHLKY IN PT.

LS: TAN - GRY, CHLKY THRUOUT, F XLN, POOR INT XLN POR W/ FEW SMALL VUGS, SSFO ON BRK, GD ODOR.

LS: TAN - GRY, F XLN, POOR PPT POR, SSFO ON BRK, GD ODOR.

LS: TAN - GRY, F XLN, POOR PPT POR, VSSFO ON BRK, CHLKY THRUOUT. GD ODOR.

STK3995'(-1225')LOG3997'(-1227')
SH: BLK, CARB. SME RED PCS.

LS: TAN - GRY, F XLN, DSE, POOR PPT POR, NS, NO ODOR. SUB CHLKY IN PT. SH: AA.

ABUNDANT GRY - BLK - RD SH.

LS: TAN - GRY, F XLN, DSE, POOR PPT POR, CHLKY IN PT, FEW PCS W/ VSSFO ON BRK, SPOTTY STN, NO ODOR

LS: TAN - GRY, MICRO - F XLN, DSE, POOR PPT POR, 3 PCS W/ SPOTTY BRN STN & VSSFO ON BRK.

LS: TAN - GRY, F XLN, SUB CHLKY, POOR PPT POR W/ FEW SMALL VUGS, 6 PCS W/ VSSFO ON BRK, FAINT ODOR.

LS: TAN - GRY, F XLN, SUB CHLKY IN PT, POOR PPT & INT XLN POR, 5 PCS W/ VSSFO ON BRK, NO ODOR.

LS: TAN - GRY, MICRO - F XLN, DSE, POOR PPT POR, SME PCS CHLKY, 4 PCS W/ RARE SPOTTY STN, NSFO, NO ODOR.

BKC4066'(-1296')LOG4069'(-1299')

LS: TAN - GRY - BRN, F XLN, CHLKY, POOR PPT POR, FEW PCS DRK BRN STN, NSFO, NO ODOR. SH IN PT: BLK.

LS: TAN - GRY, SME BRN, F XLN, DSE, CHLKY THRUOUT, POOR PPT POR, 2 PCS W/ BLK DEAD STN, NSFO, NO ODOR

DST #2
3900'-3990'

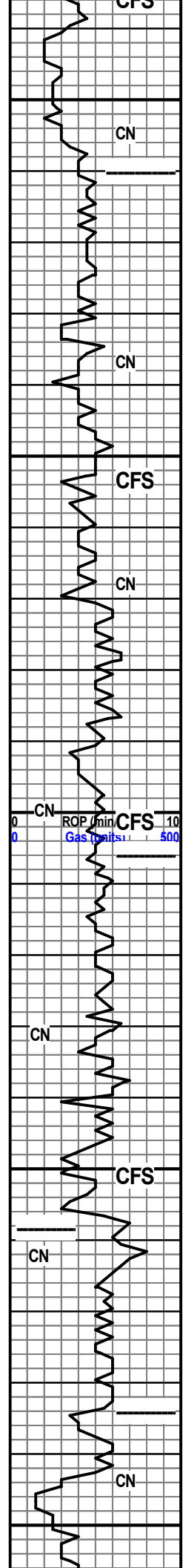
SEE HEADER FOR RESULTS

MUD PROP.
@ 3985'
WT: 9.2
VIS: 55
WL: 7.6
CC: 3200
LCM: 2#

DST #3
3987'-4086'

SEE HEADER FOR RESULTS

MUD PROP.
@ 4086'
WT: 9.3
VIS: 57
WL: 9.6
CC: 2500



4100
4150
4200
4250
4300

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4

LS: TAN - GRY - BRN, F XLN, MOST DSE, SUB CHLKY IN PT, POOR PPT POR, NS, NO ODOR. SH: GRY - DRK GRY - RED.

LS: AAW/PYR IN PT. ABUNDANT GUMMY SH.

MAR.4108'(-1338')LOG4110'(-1340')
 LS: TAN - GRY - BRN, F XLN, DSE, POOR PPT POR W/ FEW SMALL VUGS, 2-3 PCS RARE SPOTTY STN.

LS: TAN - GRY - SME BRN, F XLN, DSE, POOR PPT POR, NS, NO ODOR.
 ABUNDANT GUMMY CLAY. LS: TAN - GRY, F XLN, POOR POR, NS.
 ABUNDANT RED GUMMY CLAY.

LS: TAN - GRY, F XLN, DSE, POOR PPT POR W/ FEW SMALL VUGS, NSFO, NO ODOR.

LS: TAN - GRY, F XLN, DSE, FEW PCS OOL, POOR PPT POR, NSFO, NO ODOR.

LS: TAN - CRM - SME BRN, MICRO - F XLN, DSE, CHLKY IN PT, POOR PPT POR, NS, NO ODOR. SH: GRY - DRK GRY - RED.

LS: TAN - GRY - SME BRN, MICRO - F XLN, DSE, CHLKY IN PT, POOR PPT POR W/ SPOTTY BRN STN & VSSFO ON BRK, NO ODOR.

LS: TAN - GRY, MICRO - F XLN, DSE, POOR PPT POR IN PT, FEW PCS W/ SPOTTY BRN STN, NSFO, NO ODOR.

LS: TAN - GRY, MICRO - F XLN, DSE, POOR PPT POR, 6 PCS W/ SPOTTY STN & VSSFO ON BRK, NO ODOR.

LS: AA.

LS: TAN - CRM - BRN, MICRO - F XLN, DSE, POOR PPT POR, 2-3 PCS W/ SPOTTY BRN STN, NSFO, NO ODOR. SH IN PT: BLK, CARB.

PAW4208'(-1438')LOG4206'(-1436')
 LS: TAN - GRY - BRN, F XLN, DSE, POOR PPT POR, 2-3 PCS SPOTTY STN, NSFO, NO ODOR.

LS: TAN - GRY - BRN, F XLN, DSE, POOR PPT POR, NSFO, NO ODOR.

LS: TAN - CRM, MICRO - F XLN, DSE, POOR PPT POR IN PT, NSFO, NO ODOR. FRESH CHRT IN PT.

SH: BLK, CARB.
 LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT POR IN PT, NSFO, NO ODOR. SUB CHLKY IN PT, PYR IN PT.

LS: TAN - GRY - BRN, F XLN, DSE, NS, NO ODOR. SH: GRY - BLK - SME RED.

FTSC4256'(-1486')LOG4258'(-1488')
 LS: TAN - CRM - BRN, MICRO - F XLN, DSE, NO VIS POR, NS, NO ODOR. FRESH CHRT IN PT.

LS: TAN - CRM - BRN, MICRO - F XLN, DSE, OOL IN PT, POOR PPT POR IN PT, NS, NO ODOR. CHRT: AA.

CHER.4284'(-1514')LOG4286'(-1516')
 SH: BLK, CARB.
 LS: TAN - GRY - BRN, MICRO XLN, DSE, NO VIS POR, NS, NO ODOR.
 GUMMY GRYSH.
 LS: TAN - GRY, F XLN, MOST DSE, POOR PPT POR IN PT, NS, NO ODOR.

CC: 3500
LCM: 2#

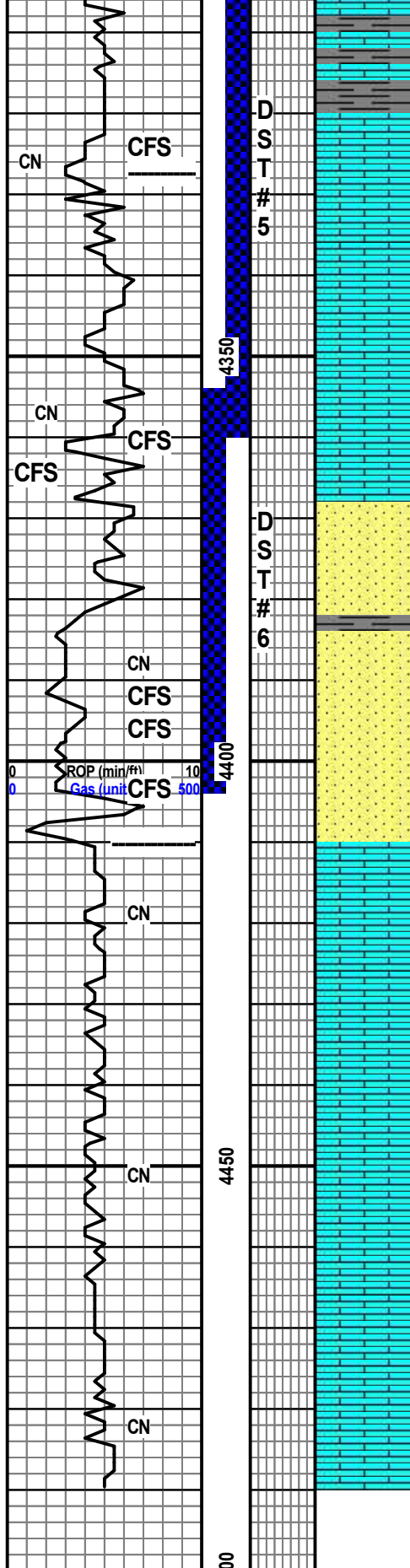
DST #4
4149'-4251'

SEE HEADER FOR RESULTS

MUD PROP.
@4238'
WT: 9.5
VIS: 55
WL: 10.4
CC: 3400
LCM: 2#

DST #5
4292'-4360'

SEE HEADER FOR RESULTS



SH: GRY - BLK - SME RED.
 LS: TAN - GRY - CRM, F XLN, DSE, POOR PPT POR IN PT, OOL IN PT, NS, NO ODOR.

LS: TAN - GRY - SME BRN, MICRO - F XLN, POOR PPT POR IN PT, 1 PC W/ VSSFO ON BRK, NO ODOR.

JOHN.4329'(-1559')LOG4326'(-1556')
 LS: TAN - GRY, F XLN, DSE, POOR VUGGY & PPT POR, FEW PCS W/ TAN STN & PR SFO ON BRK, FAINT ODOR.
 LS: TAN - GRY - BRN, F XLN, DSE, POOR VUGGY & PPT POR W/ SSFO ON BRK, FAINT ODOR.

LS: GRY - CRM, MICRO - F XLN, DSE, FOSS, POOR PPT POR IN PT, 2-3 PCS W/ BRN STN, NSFO, FRESH CHRT IN PT.
 LS: GRY - CRM, F XLN, DSE, POOR PPT POR, NS. 5-6 PCS SD CLUSTERS: F GRN, WELL CEM, MIC MAT IN PT, SEMI FRI, NS, LOOSE GRNS IN BOT.

SH: GRY - GRN - RED, SFT, GUMMY. FEW SD CLUSTERS IN PT: AA, NS.
 ABUNDANT GUMMY SH: AA. LS IN PT: TAN.

MWR4384'(-1614')LOG4378'(-1608')
 SD CLUSTERS: VF - F GRN, SEMI FRI, PR - FR CEM, PR - FR POR, FSFO & GAS BUB ON BRK, GD STN, PYR IN PT.

SD: AA. LS IN PT: TAN - CRM, F XLN, POOR POR, NS, NO ODOR.

ABUNDANT OFF WHT SD: VF GRN, CHLKY MATRIX, CALC, WELL CEM, NS, NO ODOR.

MISS.4404'(1634')LOG4410'(-1640')
 LS: OFF WHT - TAN - GRY, SNDY IN PT, F XLN, CHLKY, NS, NO ODOR.

LS: OFF WHT - TAN - GRY, F XLN, MOST DSE, SNDY IN PT, CHLKY IN PT, POOR POR, NS, NO ODOR.

LS: OFF WHT - TAN, F XLN, DSE, CHLKY IN PT, NS. FEW WHT SD CLUSTERS, CHLKY MATRIX, POOR CEM, NS.

LS: AA.

LS: OFF WHT - TAN - GRY, F XLN, DSE, CHLKY IN PT, NS, NO ODOR.

LS: OFF WHT - TAN - GRY, F XLN, DSE, POOR PPT POR, CHLKY IN PT, FEW PCS PYR, NS, NO ODOR.

LS: OFF WHT - TAN - SME GRY, F XLN, MOST DSE, CHLKY IN PT, POOR POR, NS, NO ODOR.

RTD 4490' LTD 4491'

MUD PROP.
 @4360'
 WT: 9.3
 VIS: 56
 WL: 8.0
 CC: 3700
 LCM: 2#

DST #6
 4354'-4404'

SEE HEADER FOR RESULTS

MUD PROP.
 @4404'
 WT: 9.6
 VIS: 61
 WL: 10.4
 CC: 4500
 LCM: 2#

SURVEY @4490'
 1.5 DEGREE



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

10653
 10545

TICKET NUMBER 55129
 LOCATION Ochler, KS
 FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
 CEMENT

Invoice # 813139 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
5-8-18	7937	SW Adams Unit 1-29	29	14 S	32 W	Losee	
CUSTOMER Trans Per		Dedrick AS Soc. 4 hole Grid 30 N+E on 6		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 100 South Main Street, Suite 200				731	David		
CITY Wichita		STATE KS	ZIP CODE 67202	772/F-127	N. V. W		
				705			

JOB TYPE Surf hole HOLE SIZE 12.25" HOLE DEPTH 276 CASING SIZE & WEIGHT 8 5/8" 23 lb
 CASING DEPTH 22' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 15.75 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and Rig upon Duke drilling R.S #1 Circulate casing
and 200 sq Surface bleed II Class Cement with 38 volume 28 gal displace
15.75 bbl water shut in Cement did Circulate Celler only

Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE471	1	PUMP CHARGE	1150.00	1150.00
CE002	25	MILEAGE	7.15	178.75
CE071	904 TONS	Ten Mileage delivery	1660.00	1660.00
CE587	200 sq	Surface bleed II	24.00	4800.00
			Subtotal	6788.75
		less 308 discount		2036.62
			Subtotal	4752.13
			SALES TAX	268.80
			ESTIMATED TOTAL	5020.93

AUTHORIZATION Miles Shaw TITLE Pumper DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



J William Unit 1-29

Daily Report

API: 15-109-21547

STR: 29-14S-32W

County: Logan

KB: 2770

Location: 80 FSL 780 FWL

State: KS

Zone	Sample Top	Log Top	Structural Position	Comments
Base Anhydrite	2199 (571)	2199 (571)	-17	
Anhydrite	2221 (549)	2222 (548)	-20	
Heebner	3702 (-932)	3704 (-934)	+2	
Lansing	3740 (-970)	3744 (-974)	0	
Stark Shale	3995 (-1225)	3997 (-1227)	-2	
Base Kansas City	4066 (-1296)	4069 (-1299)	-1	
Fort Scott	4256 (-1486)	4258 (-1488)	+3	
Cherokee Shale	4284 (-1514)	4286 (-1516)	+4	
Johnson	4329 (-1559)	4326 (-1556)	+8	
Base Johnson	4364 (-1594)	4367 (-1597)	+5	
Lower Morrow Sand	4384 (-1614)	4378 (-1608)	+22	
Mississippian	4404 (-1634)	4410 (-1640)	0	