

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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Form	ACO1 - Well Completion
Operator	Trans Pacific Oil Corporation
Well Name	SPARKS A 6
Doc ID	1437705

All Electric Logs Run

Micro
Dual Induction
Compensated Density
Cement Bond



Company: Trans Pacific Oil Corporation
Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

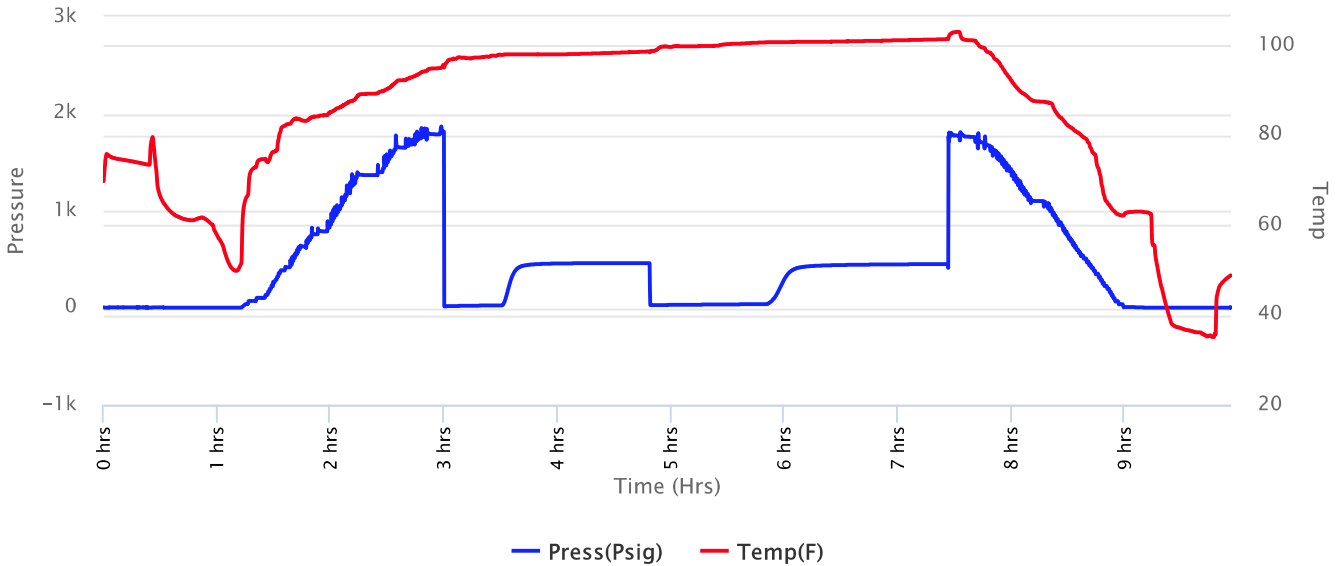
DATE
 December
04
 2018

DST #1 **Formation: L/KC "H-L"** **Test Interval: 3626 - 3732'** **Total Depth: 3732'**
 Time On: 22:54 12/04 Time Off: 08:34 12/05
 Time On Bottom: 01:50 12/05 Time Off Bottom: 06:05 12/05

Electronic Volume Estimate:
 44'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 75	Minutes: 60	Minutes: 90
Current Reading: 2.5" at 30 min	Current Reading: 0" at 75 min	Current Reading: 2.1" at 60 min	Current Reading: 0" at 90 min
Max Reading: 2.5"	Max Reading: 0"	Max Reading: 2.1"	Max Reading: 0"

Inside Recorder





Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

DATE
 December
04
 2018

DST #1 **Formation: L/KC "H-L"** **Test Interval: 3626 - 3732'** **Total Depth: 3732'**
 Time On: 22:54 12/04 Time Off: 08:34 12/05
 Time On Bottom: 01:50 12/05 Time Off Bottom: 06:05 12/05

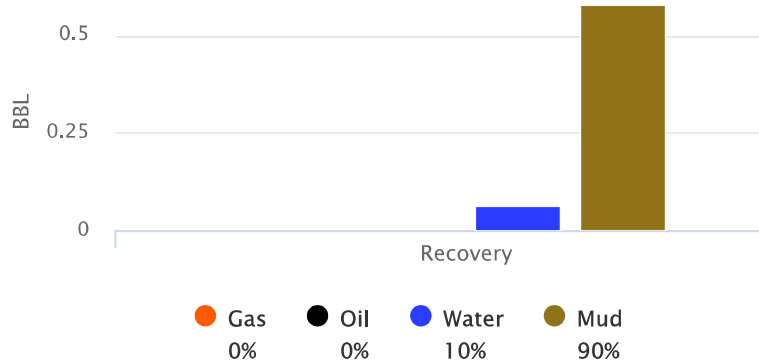
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
50	0.645	SLWCM (trace oil)	0	0	10	90

Total Recovered: 50 ft
 Total Barrels Recovered: 0.645

Reversed Out
 NO

Initial Hydrostatic Pressure	1789	PSI
Initial Flow	15 to 26	PSI
Initial Closed in Pressure	460	PSI
Final Flow Pressure	26 to 38	PSI
Final Closed in Pressure	450	PSI
Final Hydrostatic Pressure	1779	PSI
Temperature	102	°F
Pressure Change Initial Close / Final Close	2.3	%

Recovery at a glance





Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
04
2018

DST #1	Formation: L/KC "H-L"	Test Interval: 3626 - 3732'	Total Depth: 3732'
	Time On: 22:54 12/04	Time Off: 08:34 12/05	
	Time On Bottom: 01:50 12/05	Time Off Bottom: 06:05 12/05	

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 3/4 in. blow building to 2 1/2 ins. in 30 mins.

1st Close: No blow back.

2nd Open: Surface blow in 4 mins. 30 secs. building to 2 1/8 ins. in 60 mins.

2nd Close: No blow back.

REMARKS:

Show of oil spots in tool.

Tool Sample: 0% Gas 0% Oil 10% Water 90% Mud

Measured RW: .28 @ 31 degrees °F

RW at Formation Temp: 0.097 @ 102 °F

Chlorides: 38,000 ppm



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
04
2018

DST #1 **Formation: L/KC "H-L"** **Test Interval: 3626 - 3732'** **Total Depth: 3732'**
Time On: 22:54 12/04 Time Off: 08:34 12/05
Time On Bottom: 01:50 12/05 Time Off Bottom: 06:05 12/05

Down Hole Makeup

Heads Up: 22.39 FT	Packer 1: 3621 FT
Drill Pipe: 3620.65 FT <i>ID-3 1/2</i>	Packer 2: 3626 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3610.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: -2 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: 106	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 5 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 96 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
04
2018

DST #1 **Formation: L/KC "H-L"** **Test Interval: 3626 - 3732'** **Total Depth: 3732'**
Time On: 22:54 12/04 Time Off: 08:34 12/05
Time On Bottom: 01:50 12/05 Time Off Bottom: 06:05 12/05

Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 55 **Filtrate:** 6.4 **Chlorides:** 2,400 ppm



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
04
2018

DST #1 **Formation: L/KC "H-L"** **Test Interval: 3626 - 3732'** **Total Depth: 3732'**
Time On: 22:54 12/04 Time Off: 08:34 12/05
Time On Bottom: 01:50 12/05 Time Off Bottom: 06:05 12/05

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: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

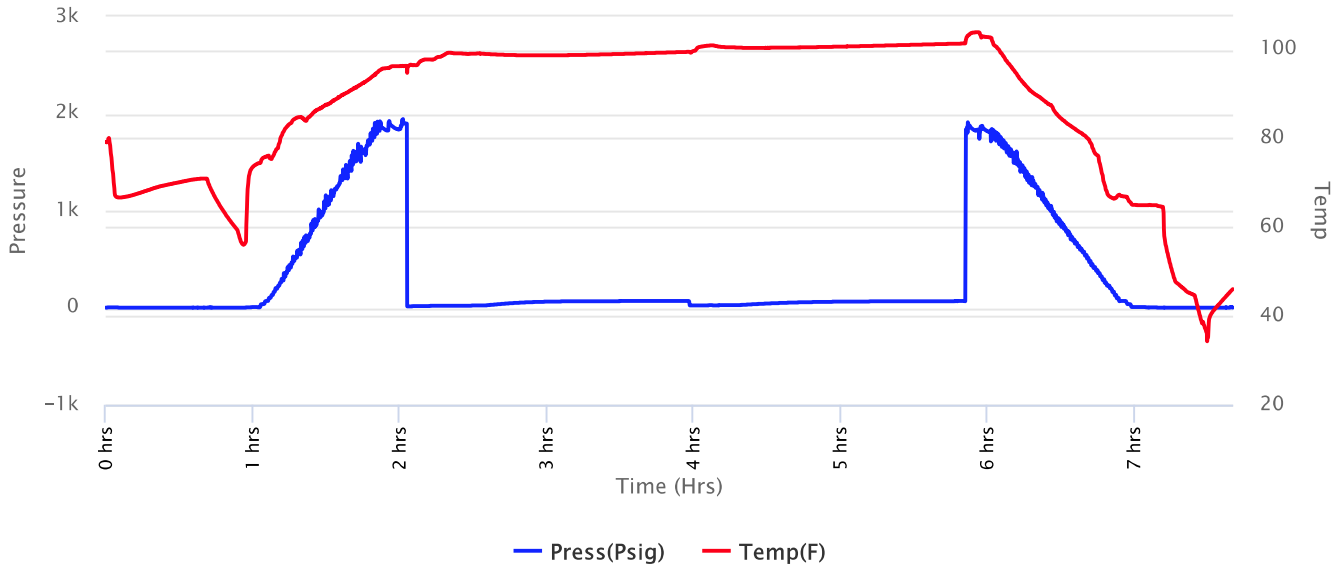
DATE
 December
05
 2018

DST #2 Formation: Arbuckle Test Interval: 3759 - 3812' Total Depth: 3812'
 Time On: 22:02 12/05 Time Off: 05:30 12/06
 Time On Bottom: 00:02 12/06 Time Off Bottom: 03:32 12/06

Electronic Volume Estimate:
 30'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 75	Minutes: 15	Minutes: 90
Current Reading: 3" at 30 min	Current Reading: 0" at 75 min	Current Reading: 0" at 15 min	Current Reading: 0" at 90 min
Max Reading: 3"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"

Inside Recorder





Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

DATE
 December
05
 2018

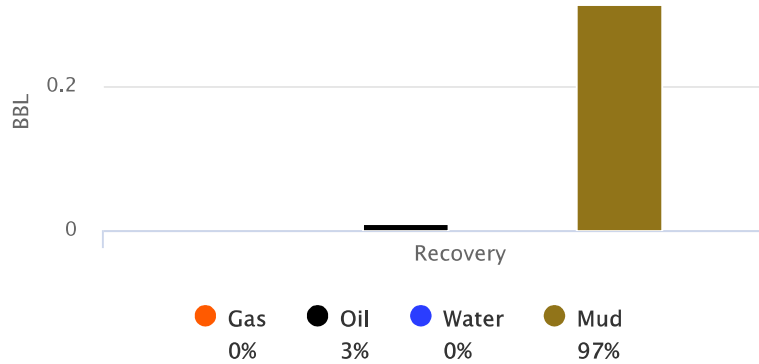
DST #2 Formation: Arbuckle Test Interval: 3759 - 3812' Total Depth: 3812'
 Time On: 22:02 12/05 Time Off: 05:30 12/06
 Time On Bottom: 00:02 12/06 Time Off Bottom: 03:32 12/06

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
25	0.3225	SLOCM	0	3	0	97

Total Recovered: 25 ft
 Total Barrels Recovered: 0.3225

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1841	PSI
Initial Flow	14 to 23	PSI
Initial Closed in Pressure	70	PSI
Final Flow Pressure	24 to 27	PSI
Final Closed in Pressure	69	PSI
Final Hydrostatic Pressure	1839	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	2.3	%



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
05
2018

DST #2 Formation: Arbuckle Test Interval: 3759 - Total Depth: 3812'
3812'
Time On: 22:02 12/05 Time Off: 05:30 12/06
Time On Bottom: 00:02 12/06 Time Off Bottom: 03:32 12/06

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1/4 in. blow building to 3 ins. in 30 mins.

1st Close: No blow back.

2nd Open: No blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
05
2018

DST #2 Formation: Arbuckle Test Interval: 3759 - 3812' Total Depth: 3812'
Time On: 22:02 12/05 Time Off: 05:30 12/06
Time On Bottom: 00:02 12/06 Time Off Bottom: 03:32 12/06

Down Hole Makeup

Heads Up: 17.55 FT	Packer 1: 3754 FT
Drill Pipe: 3748.81 FT <i>ID-3 1/2</i>	Packer 2: 3759 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3743.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3761 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 53	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 18 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 30 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
05
2018

DST #2 Formation: Arbuckle Test Interval: 3759 - 3812' Total Depth: 3812'
Time On: 22:02 12/05 Time Off: 05:30 12/06
Time On Bottom: 00:02 12/06 Time Off Bottom: 03:32 12/06

Mud Properties

Mud Type: Chemical **Weight:** 9.1 **Viscosity:** 50 **Filtrate:** 6.8 **Chlorides:** 2,800 ppm



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
05
2018

DST #2 Formation: Arbuckle Test Interval: 3759 - Total Depth: 3812'
3812'
Time On: 22:02 12/05 Time Off: 05:30 12/06
Time On Bottom: 00:02 12/06 Time Off Bottom: 03:32 12/06

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: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

DATE
 December
06
 2018

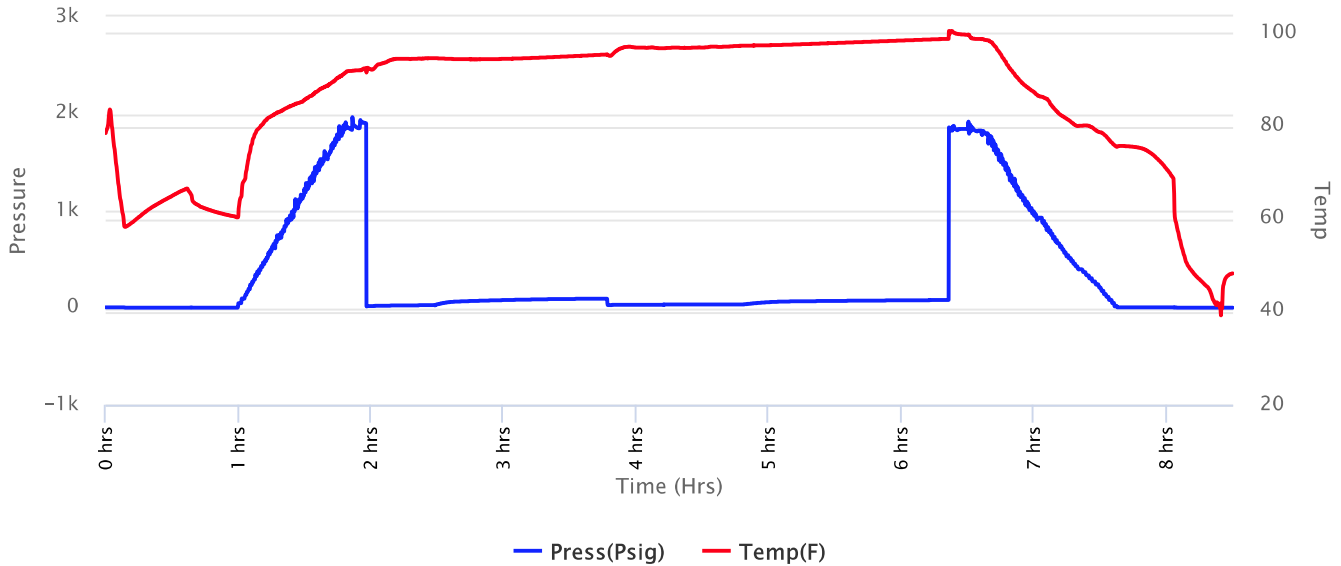
DST #3 Formation: Arbuckle Test Interval: 3757 - Total Depth: 3820'
3820'

Time On: 11:57 12/06 Time Off: 20:13 12/06
 Time On Bottom: 13:52 12/06 Time Off Bottom: 18:07 12/06

Electronic Volume Estimate:
 42'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 75	Minutes: 60	Minutes: 90
Current Reading: 4" at 30 min	Current Reading: 0" at 75 min	Current Reading: .25" at 60 min	Current Reading: 0" at 90 min
Max Reading: 4"	Max Reading: 0"	Max Reading: .25"	Max Reading: 0"

Inside Recorder





Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

DATE
 December
06
 2018

DST #3 Formation: Arbuckle Test Interval: 3757 - 3820' Total Depth: 3820'
 Time On: 11:57 12/06 Time Off: 20:13 12/06
 Time On Bottom: 13:52 12/06 Time Off Bottom: 18:07 12/06

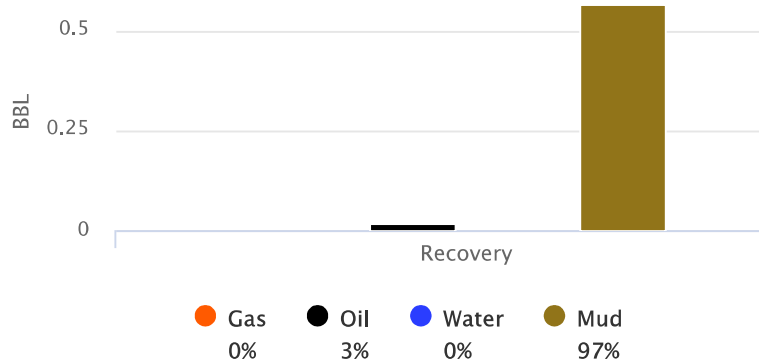
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
45	0.5805	SLOCM	0	3	0	97

Total Recovered: 45 ft
 Total Barrels Recovered: 0.5805

Reversed Out
 NO

Initial Hydrostatic Pressure	1863	PSI
Initial Flow	16 to 27	PSI
Initial Closed in Pressure	93	PSI
Final Flow Pressure	28 to 35	PSI
Final Closed in Pressure	80	PSI
Final Hydrostatic Pressure	1857	PSI
Temperature	98	°F
Pressure Change Initial Close / Final Close	14.8	%

Recovery at a glance





Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
06
2018

DST #3 Formation: Arbuckle Test Interval: 3757 - Total Depth: 3820'
3820'
Time On: 11:57 12/06 Time Off: 20:13 12/06
Time On Bottom: 13:52 12/06 Time Off Bottom: 18:07 12/06

BUCKET MEASUREMENT:

Diesel in Bucket

- 1st Open: 3/4 in. blow building to 4 ins. in 30 mins.
- 1st Close: No blow back.
- 2nd Open: Weak, surface blow in 10 mins. Building to 1/4 in.
- 2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 5% Oil 0% Water 95% Mud



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
06
2018

DST #3 Formation: Arbuckle Test Interval: 3757 - 3820' Total Depth: 3820'
Time On: 11:57 12/06 Time Off: 20:13 12/06
Time On Bottom: 13:52 12/06 Time Off Bottom: 18:07 12/06

Down Hole Makeup

Heads Up: 19.55 FT	Packer 1: 3752 FT
Drill Pipe: 3748.81 FT <i>ID-3 1/2</i>	Packer 2: 3757 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3741.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3759 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 63	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 28 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 30 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
06
2018

DST #3 Formation: Arbuckle Test Interval: 3757 - 3820' Total Depth: 3820'

Time On: 11:57 12/06 Time Off: 20:13 12/06
Time On Bottom: 13:52 12/06 Time Off Bottom: 18:07 12/06

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 52 **Filtrate:** 7.2 **Chlorides:** 3,100 ppm



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
06
2018

DST #3 Formation: Arbuckle Test Interval: 3757 - 3820' Total Depth: 3820'

Time On: 11:57 12/06 Time Off: 20:13 12/06
Time On Bottom: 13:52 12/06 Time Off Bottom: 18:07 12/06

Gas Volume Report

1st Open

2nd Open

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

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



Company: Trans Pacific Oil Corporation
Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

DATE
 December
07
 2018

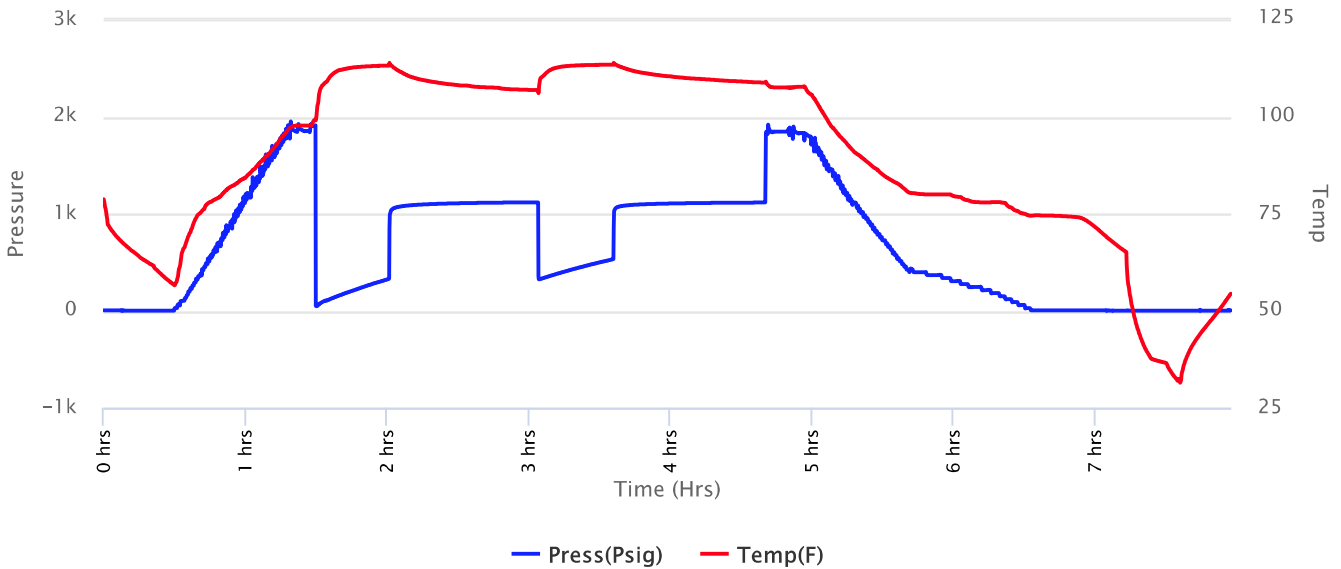
DST #4 Formation: Arbuckle Test Interval: 3818 - 3838' Total Depth: 3880'

Time On: 13:30 12/07 Time Off: 21:16 12/07
 Time On Bottom: 15:00 12/07 Time Off Bottom: 18:00 12/07

Electronic Volume Estimate:
 1452'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 60	Minutes: 30	Minutes: 60
Current Reading: 85.6" at 30 min	Current Reading: 0" at 60 min	Current Reading: 70.3" at 30 min	Current Reading: 4.5" at 60 min
Max Reading: 85.6"	Max Reading: 0"	Max Reading: 70.3"	Max Reading: 4.5"

Inside Recorder





Company: Trans Pacific Oil Corporation
Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Royal Drilling, Inc - Rig 1
 Elevation: 2245 GL
 Field Name: Marcotte
 Pool: Infield
 Job Number: 271

Operation:
 Test Complete

DATE
 December
07
 2018

DST #4 Formation: Arbuckle Test Interval: 3818 - 3838' Total Depth: 3880'
 Time On: 13:30 12/07 Time Off: 21:16 12/07
 Time On Bottom: 15:00 12/07 Time Off Bottom: 18:00 12/07

Recovered

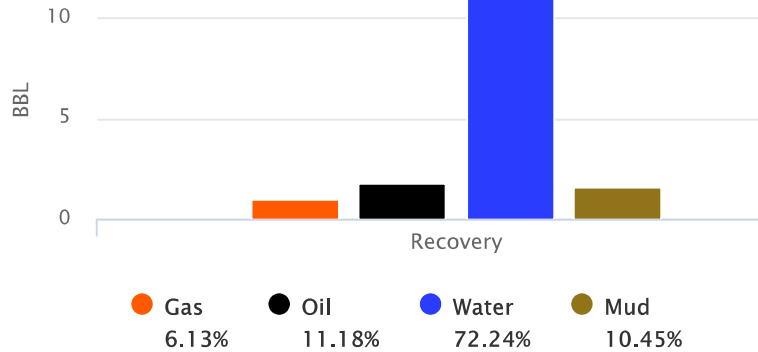
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
30	0.387	GIP	100	0	0	0
94	1.2126	GCO	20	80	0	0
126	1.6254	SLGCSLWCHOCM	10	35	10	45
126	1.6254	SLGCSLOCHWCM	10	10	35	45
64	0.8256	SLOCSLMCW	0	2	90	8
192	2.4768	SLMCSLOCW	0	1	98	1
576	7.4304	SLMCHWCO	0	spots	99	1

Total Recovered: 1208 ft
 Total Barrels Recovered: 15.5832

Reversed Out
 NO

Initial Hydrostatic Pressure 1859 PSI
 Initial Flow 64 to 328 PSI
Initial Closed in Pressure 1118 PSI
 Final Flow Pressure 332 to 528 PSI
Final Closed in Pressure 1115 PSI
 Final Hydrostatic Pressure 1846 PSI
 Temperature 114 °F
 Pressure Change Initial Close / Final Close 0.2 %

Recovery at a glance





Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
07
2018

DST #4 Formation: Arbuckle Test Interval: 3818 - 3838' Total Depth: 3880'

Time On: 13:30 12/07 Time Off: 21:16 12/07
Time On Bottom: 15:00 12/07 Time Off Bottom: 18:00 12/07

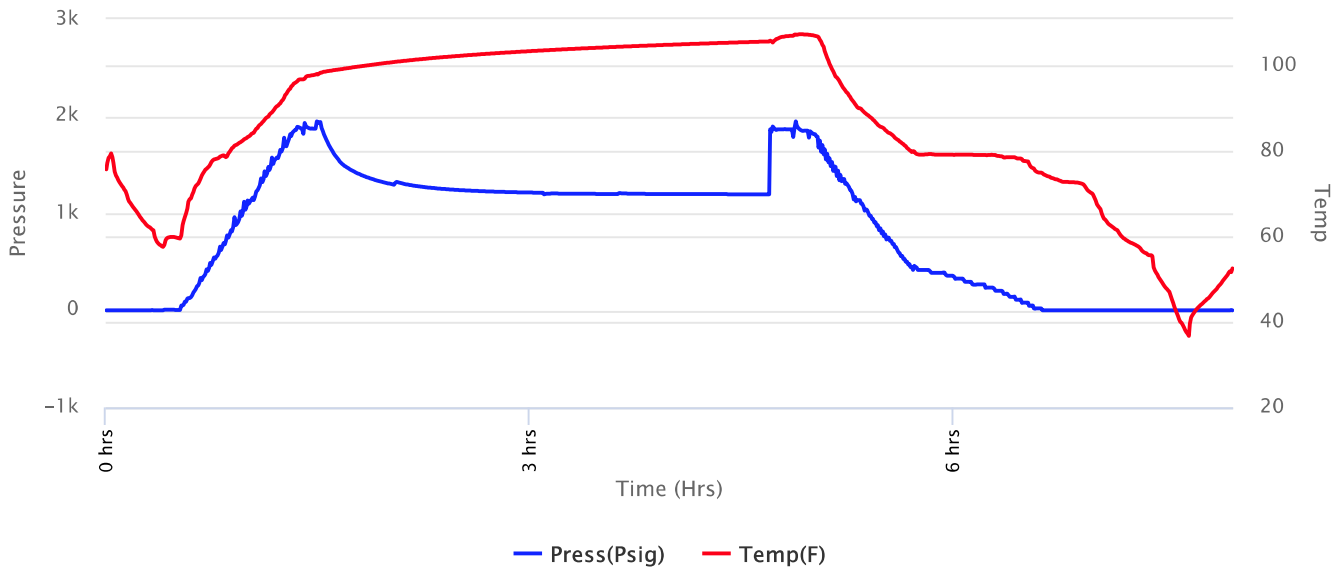
BUCKET MEASUREMENT:

1st Open: Bob in 1 min. 55 sec.
1st Close: No Return
2nd Open: Bob in 4 min.
2nd Close: Weak Surface Return started at 18 min. Built to 4 1/2" over 60 min.

REMARKS:

Tool Sample: 0% Gas 22% Oil 77% Water 1% Mud
Gravity: 28.7 @ 60 °F
Measured RW: .32 @ 22 degrees °F
RW at Formation Temp: 0.076 @ 114 °F
Chlorides: 40000 ppm

Below Straddle Recorder





Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
07
2018

DST #4 Formation: Arbuckle Test Interval: 3818 - 3838' Total Depth: 3880'
Time On: 13:30 12/07 Time Off: 21:16 12/07
Time On Bottom: 15:00 12/07 Time Off Bottom: 18:00 12/07

Down Hole Makeup

Heads Up: 22.76 FT	Packer 1: 3813 FT
Drill Pipe: 3813.02 FT <i>ID-3 1/2</i>	Packer 2: 3818 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Packer 3: 3838 FT
Collars: 0 FT <i>ID-2 1/4</i>	Top Recorder: 3802.42 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Bottom Recorder: 3820 FT
Total Anchor: 20	Below Straddle Recorder: 3870 FT
Anchor Makeup	Well Bore Size: 7 7/8
Packer Sub: 1 FT	Surface Choke: 1"
Perforations: (top): 0 FT <i>4 1/2-FH</i>	Bottom Choke: 5/8"
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 19 FT <i>4 1/2-FH</i>	
STRADDLE	
Straddle Packer(s): 1 FT	
Change Over: .5 FT	
Drill Pipe: 30 FT <i>ID-3 1/2"</i>	
Change Over: .5 FT	
Perforations (in tail pipe): 11 FT <i>4 1/2-FH</i>	



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
07
2018

DST #4 Formation: Arbuckle Test Interval: 3818 - 3838' Total Depth: 3880'
Time On: 13:30 12/07 Time Off: 21:16 12/07
Time On Bottom: 15:00 12/07 Time Off Bottom: 18:00 12/07

Mud Properties

Mud Type: Chem **Weight:** 9.5 **Viscosity:** 56 **Filtrate:** 6.8 **Chlorides:** 3000 ppm



Company: Trans Pacific Oil Corporation

Lease: Sparks "A" #6

SEC: 10 TWN: 10S RNG: 20W
County: ROOKS
State: Kansas
Drilling Contractor: Royal Drilling, Inc - Rig 1
Elevation: 2245 GL
Field Name: Marcotte
Pool: Infield
Job Number: 271

Operation:
Test Complete

DATE
December
07
2018

DST #4 Formation: Arbuckle Test Interval: 3818 - 3838' Total Depth: 3880'

Time On: 13:30 12/07 Time Off: 21:16 12/07
Time On Bottom: 15:00 12/07 Time Off Bottom: 18:00 12/07

Gas Volume Report

1st Open

2nd Open

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

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

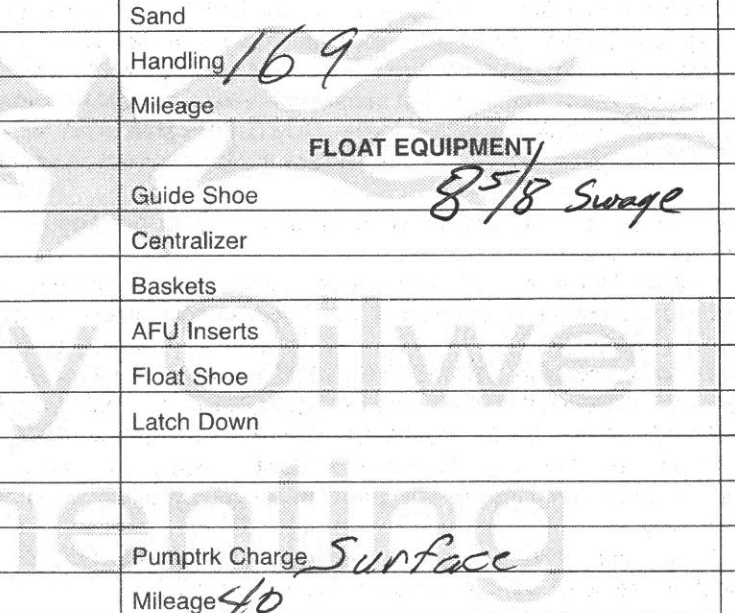
Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1076

Date	11-28-18	Sec.	10	Twp.	10	Range	20	County	Rooks	State	KS	On Location		Finish	5:30p
Lease								Location		Palco Redline 2s 1/4w Sinto					
Lease								Well No		A 6					
Contractor								Owner							
Royal #1								To Quality Oilwell Cementing, Inc.							
Type Job								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Surface								Charge To							
Hole Size								Trans Pack							
12 1/4								T.D.							
8 5/8								221							
Csg.								Depth							
8 5/8								220							
Tbg. Size								Street							
								City							
								State							
Tool								The above was done to satisfaction and supervision of owner agent or contractor.							
Depth								Cement Amount Ordered							
Cement Left in Csg.								160 80/20 3-1/4 2-1/4							
10'								Shoe Joint							
Meas Line								Displace							
								13 BCL							
EQUIPMENT								Common							
Pumptrk								96							
20								Poz. Mix							
No. Cementer								64							
Helper								Gel.							
David								3							
Bulktrk								Calcium							
No. Driver								6							
Driver								Hulls							
Doug								Salt							
JOB SERVICES & REMARKS								Flowseal							
Remarks:								Kol-Seal							
Rat Hole								Mud CLR 48							
Mouse Hole								CFL-117 or CD110 CAF 38							
Centralizers								Sand							
Baskets								Handling							
D/V or Port Collar								169							
8 5/8 on bottom Est. Circulation								Mileage							
Mix 160 50 & Displace								FLOAT EQUIPMENT							
Cement Circulated								Guide Shoe							
								8 5/8 Swage							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Surface							
								Mileage							
								40							
								Tax							
								Discount							
								Total Charge							
Signature															
Monty Boyd															

Thanks



SWIFT Services, Inc.

DATE 12/20/18	PAGE NO. 1
TICKET NO. 27776	

CUSTOMER Trans Pacific Oil	WELL NO. A-6	LEASE sparks	JOB TYPE Port Collar
-------------------------------	-----------------	-----------------	-------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							On location, set up trucks 2 7/8" x 5 1/2" - 14'
								Port Collar - 1488'
	0930					1500		Test P.C. - Held. Open P.C.
	0935	3	3			300		Test.
	0940	4				350		Hook up to tubing Start Cmt @ 11.2
		4	5			450		Catch Circulation
		4	72			650		Cmt Circulating, Raise wt
		4	85			700		Finish Cmt, Start Displacement.
	1005	4	93 1/2			750		Finish Displacement. Shut Down, Close P.C.
	1010					1500		Test P.C. - Held Run 5 JTs
	1030	3	25			400		Reverse Out.
	1040							Back up Washup
	1050							Back up Job Complete
								Thanks Jon, Austin, Isaac
								175 SKS total
								155 to well 20 to pit

SWIFT Services, Inc.

DATE 12/08/18	PAGE NO. 1
TICKET NO. 27721	

Trans Pacific		WELL NO. A-6		LEASE Spark's		JOB TYPE Long string			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0600								On location, w/ Float Equipment Rig LDDP. RTD - 3880 LTD - 3881 Total Pipe Run - 3878 Insert @ 3835 Port Collar - #52 @ 1688 Centralizers - 1,2,3,4,6,8,10,12,14,53 Basket - #51 5 1/2" x 14"
	0830								Start Pipe w/ Float Equip
	1015								Break Circ on Bottom
	1050	2	8						Plug RH w/ 30 SKS
		2	4						Plug MH w/ 20 SKS
	1100	5	12				400		Pump Mud Flush
		5	20				400		Pump KGL spacer
		4					400		Start EA-2 Cement 175 SKS
	1115	4	45				Val		Fin Cmt
	1120								Drop Plug
									Washout Pump & Lines
	1125	8 1/2							Start Displacement
		7 1/2	65				400		Catch Cmt
	1140	6	93 1/2				1000 11000		Land Plug Lift PSI 1000 Land PSI 11000
	1145								Release Truck
									Washup
	1155								Rack up
	1200								Job Complete
Thanks Jon, Austin, Isaac									



Sparks A 6

Daily Report

API: 15-163-24377

STR: 10-10S-20W

County: Rooks

KB: 2251

Location: 368 FNL 1446 FEL

State: KS

Zone	Sample Top	Log Top	Structural Position	Comments
Anhydrite	1718 (533)	1712 (539)	-2	
Base Anhydrite	1752 (499)	1750 (501)	-4	
Topeka	3272 (-1021)	3271 (-1020)	+1	
Heebner	3474 (-1223)	3475 (-1224)	-1	
Lansing	3513 (-1262)	3514 (-1263)	0	
Base Kansas City	3732 (-1481)	3730 (-1479)	+2	
Arbuckle	3804 (-1553)	3803 (-1552)	+5	



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

Well Name: Sparks A #6
 API: 15-163-24377
 Location: NE 1/4, Section 10-T10S-R20W
 License Number: 9408
 Spud Date: 11/28/18
 Surface Coordinates: 368' FNL & 1446' FEL

Region: Rooks County, KS.
 Drilling Completed: 12/7/18

Bottom Hole Coordinates:
 Ground Elevation (ft): 2245' K.B. Elevation (ft): 2251'
 Logged Interval (ft): 3200' To: TD Total Depth (ft): 3881'
 Formation: ARBUCKLE
 Type of Drilling Fluid: Chemical Mud

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


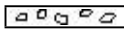

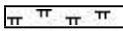





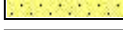
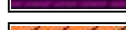
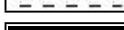

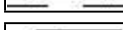
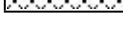
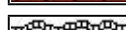
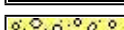
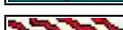
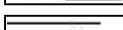




OPERATOR

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

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
 - Brecrefrag
 - 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

- Sltstrg
- 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**
- Gas

- Even
- Spotted
- Ques
- Dead

- INTERVAL**
- Dst1
 - Core

- Dst

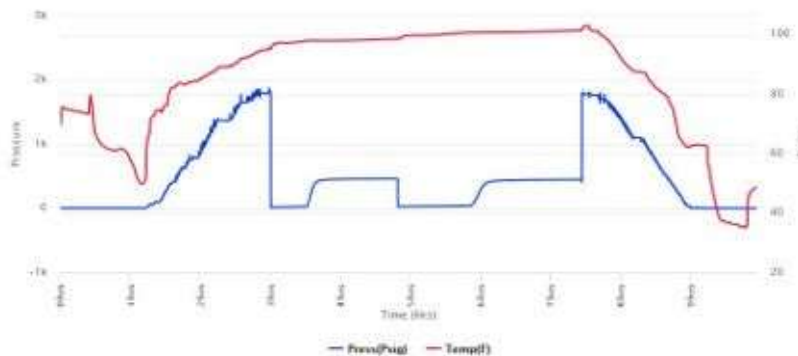
- EVENT**
- Rft
 - Sidewall

Comments

The Sparks A #6 ran about as expected, five feet high on the Arbuckle when compared to the Buss A #1. DST #4 in the Arbuckle recovered a fair amount of oil along with water and good bottom hole pressure. Due to encouraging results of DST #4, it was decided to run production casing to produce the Arbuckle through perforations. Ran 92 jts. new 5.5" API casing.

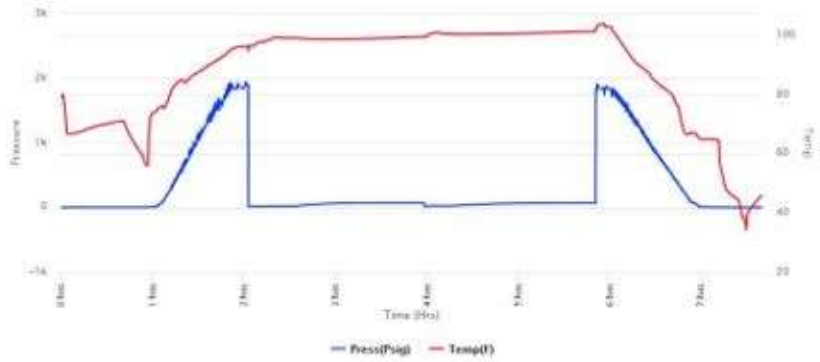
DST #1

LKC H-L
 3626'-3732'
 30-75-60-90
 IF: 3/4" BLOWBUILT TO 2.5"
 IS: NO RETURN.
 FF: SURFACE BLOWBUILT TO 2"
 FS: NO RETURN.
 RECOVERED: 50' SLWCM (TRACE OIL)
 HP: 1789-1779 PSI
 IF: 15-26 PSI
 FF: 26-38 PSI
 SIP: 460-450 PSI



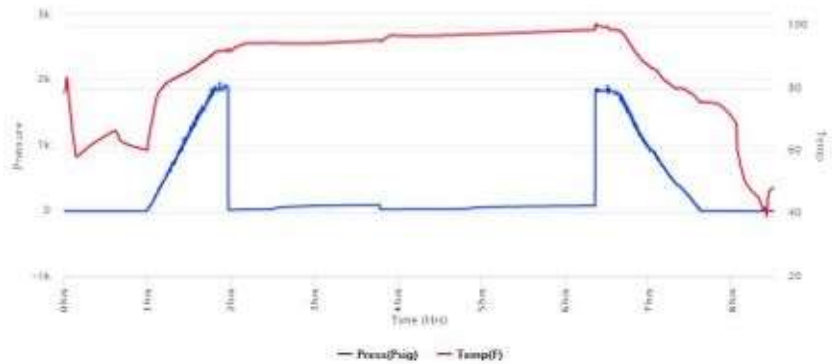
DST #2

ARBUCKLE
3759'-3812'
30-75-15-90
IF: 1/4" BLOW BUILT TO 3"
IS: NO RETURN.
FF: NO BLOW.
FS: NO RETURN.
RECOVERED: 25' SLOCM (3% OIL)
HP: 1841-1839 PSI
IF: 14-23 PSI
FF: 24-27 PSI
SIP: 70-69 PSI



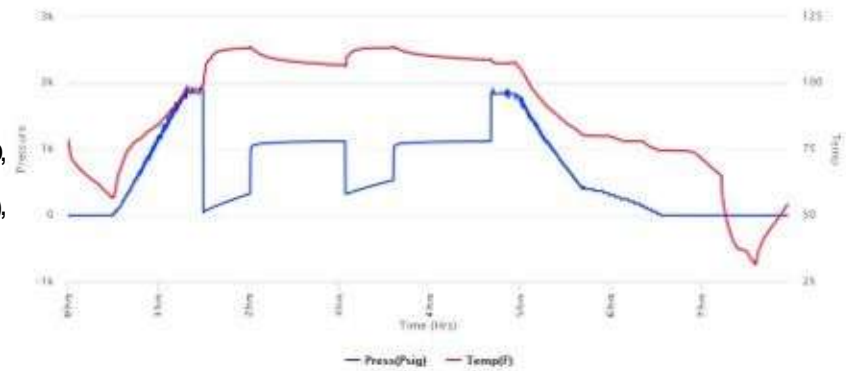
DST #3

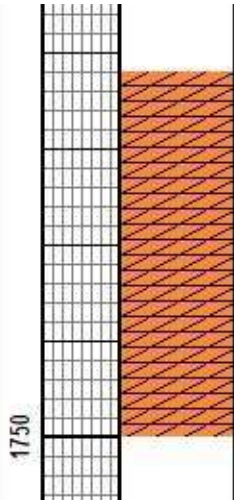
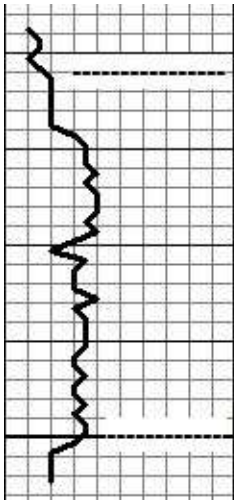
ARBUCKLE
3757'-3820'
30-75-60-90
IF: 3/4" BLOW BUILT TO 4"
IS: NO RETURN.
FF: SURFACE BLOW BUILT TO 1/4"
FS: NO RETURN.
RECOVERED: 45' SLOCM (3% OIL)
HP: 1863-1857 PSI
IF: 16-27 PSI
FF: 28-35 PSI
SIP: 93-80 PSI



DST #4

ARBUCKLE
3818'-3838'
30-60-30-60
IF: BOB IN 1 MIN 55 SEC
IS: NO RETURN.
FF: BOB IN 4 MIN
FS: SURFACE BLOW BUILT TO 4.5"
RECOVERED: 1178' TOTAL FLUID: 30' GIP, 94' GCO,
126' SLGCWCHOOCM (35% OIL), 126'
SLGCOCHWCM (10% OIL), 64' SLOCMCW (2% OIL),
192' SLOCMCW (1% OIL), 576' SLMCW (TRACE
OIL)
HP: 1859-1846 PSI
IF: 64-328 PSI
FF: 332-528 PSI
SIP: 1118-1115 PSI

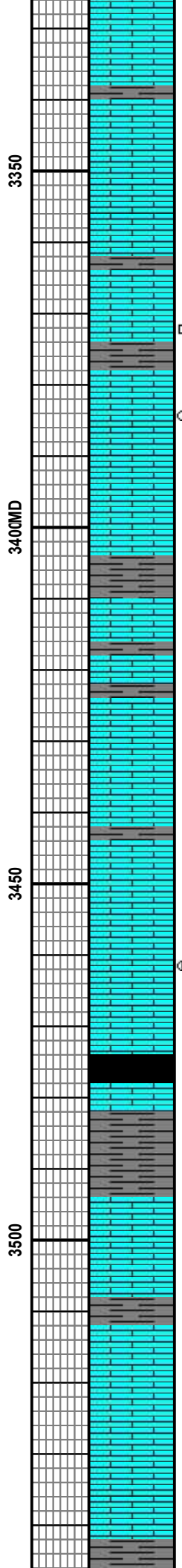
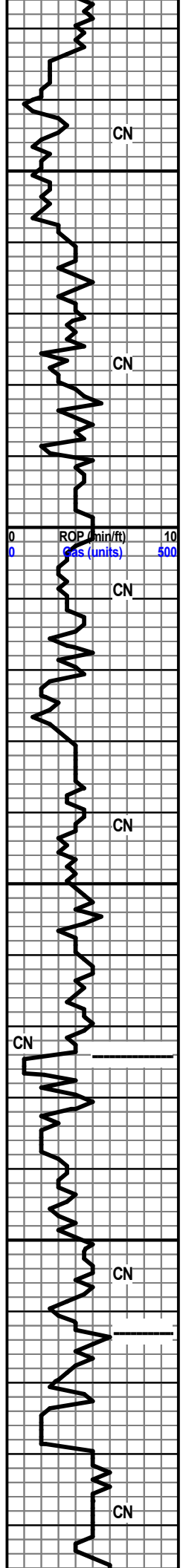




ANH. 1718' (+533')
ELOG 1712' (+539')

BASE ANH. 1752' (+499')
ELOG 1750' (+501')

Curve Track 1 ROP (min/ft) ——— Gas (units) - - - - -	MD	Porosity	Lithology	Geological Descriptions	Comments
0 ROP (min/ft) 10 0 Gas (units) 500	320	24% 16% 12% 6%	Oil Shows		
	320		CN	GEO ON LOCATION @ 2:45 AM 12/3/2018	
	3250		CN	LS: TAN - CRM, SME GRY, F XLN, DSE, POOR PPT POR, FEW FOSS, CHLKY IN PT, NSFO. SH: GRY. LS: TAN - GRY, F XLN, DSE, POOR POR, NSFO. SH: GRY, SME RD PCS, SFT. PYR IN PT.	
	3300		CN	ABUNDANT GRY & RED GUMMY CLAY. TOP. 3272' (-1021') ELOG 3271' (-1020') LS: TAN - CRM, SME BRN, F XLN, DSE, FOSS, POOR PPT POR, CHLKY IN PT, NSFO. LS: CRM - BRN, F XLN, DSE, FOSS, POOR PPT POR, NSFO. SLTSTN IN PT: GRY, MIC MAT, SH: GRY, SFT.	*CHANGE FUEL FILTERS ON DW @ 3282'
			CN CFS	LS: CRM - GRY, VF - F XLN, DSE, POOR POR, 2 PCS W/ LT BRN STN, NSFO, NO ODOR. LS: CRM - TAN - SME BRN, F XLN, DSE, POOR PPT & VUGGY POR, SPOTTY BRN STN IN PT, VSSFO ON BRK, SLI SHOW GAS BUB ON BRK, FR ODOR.	MUD PROP. @ 3296' WT: 8.9 VIS: 59 WL: 6.4 CC: 2400 LCM: 2#
				LS: CRM - TAN - GRY, F XLN, DSE, POOR PPT POR, NSFO. SH: BLK, CARB, SME RED PCS.	RIG CHECK @ 3315'



LS: TAN - CRM, F XLN, DSE, FOSS, POOR PPT POR, SUB CHLKY IN PT, NSFO, NO ODOR.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT POR, FEW VUGS, CHLKY THRUOUT, NSFO, NO ODOR.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT & VUGGY POR, NSFO, CHLKY THRUOUT. SH: BLK, CARB.

LS: TAN - CRM - BRN, F XLN, FOSS, 2 PCS W/DRK BRN STN, NSFO, NO ODOR. SH: BLK, CARB.

LS: TAN - CRM - BRN, F XLN, POOR PPT & VUGGY POR, FEW PCS W/RARE SPOTTY BRN STN, NSFO, NO ODOR. SH: AA.

LS: OFF WHT - TAN, VF XLN, DSE, POOR PPT - NO VIS POR, NSFO.

LS: OFF WHT - GRY, F XLN, POOR PPT POR, FEW FOSS, SUB CHLKY IN PT, NSFO.

LS: GRY, F XLN, DSE, POOR PPT & VUGGY POR, NSFO. GRY GUMMY CLAY IN PT.

LS: AA. ABUNDANT CHLK IN PT.

LS: OFF WHT - GRY, F XLN, DSE, POOR PPT POR, FEW SMALL VUGS, V CHLKY, NSFO.

LS: OFF WHT - GRY, F XLN, DSE, POOR POR, NSFO, NO ODOR.

LS: OFF WHT - GRY, F XLN, DSE, POOR PPT POR, NSFO.

LS: AA. FEW PCS W/ SPOTTY BRN STN & VSSFO ON BRK, NO ODOR.

LS: OFF WHT - TAN - CRM, F XLN, DSE.

HEEB. 3474' (-1223')
ELOG 3475' (-1224')
 ABUNDANT BLK, CARB SH.

LS: OFF WHT - TAN - CRM, F XLN, DSE, POOR PPT POR, NSFO.

LS: TAN - CRM, F XLN, DSE, POOR POR, NSFO, NO ODOR.

LS: OFF WHT - GRY, F - VF XLN, DSE, POOR PPT POR IN PT, FEW SMALL VUGS, NSFO.

LANS. 3513' (-1262')
ELOG 3514' (-1263')
 LS: OFF WHT - GRY, F - VF XLN, DSE, POOR PPT POR IN PT, FEW SMALL VUGS, NSFO.

LS: TAN - CRM - GRY, F XLN, DSE, POOR PPT & VUGGY POR, NSFO.

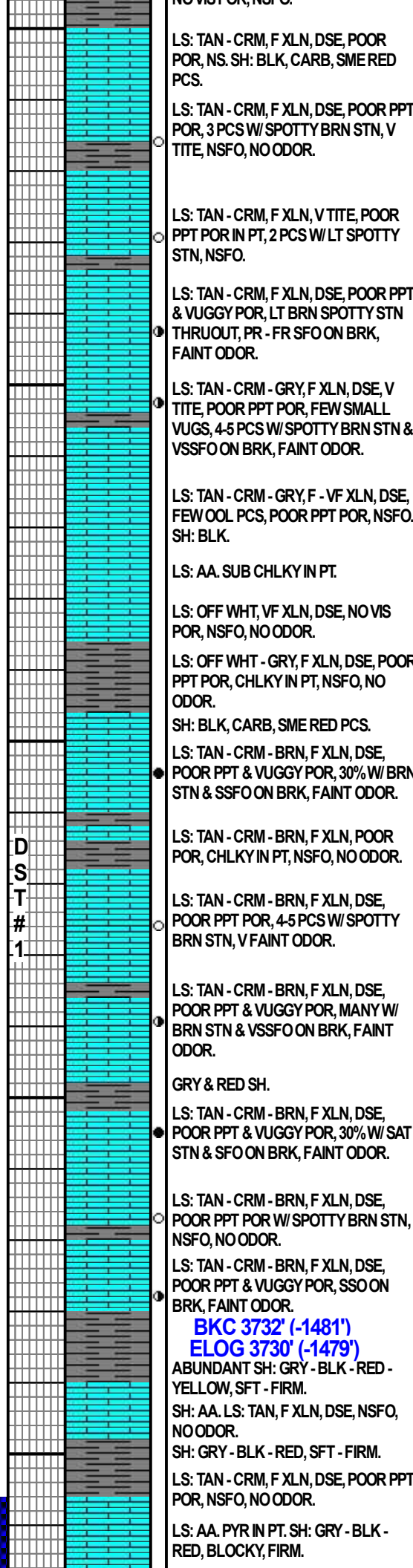
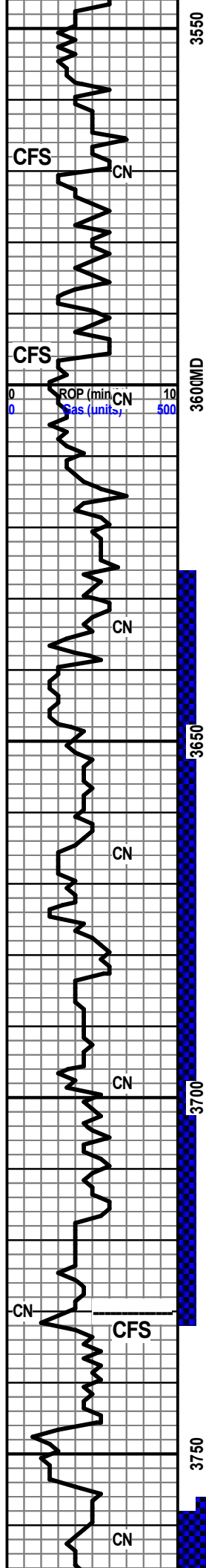
LS: OFF WHT, VF XLN, NO VIS POR, SUB CHLKY IN PT, FRESH CHRT IN PT.

LS: OFF WHT, F - VF XLN, POOR PPT - NO VIS POR, NSFO

WT: 8.9
 VIS: 62

WT: 8.7
 VIS: 57
 LCM: 1#

RIG CHECK @ 3538'



LS: TAN - CRM, F XLN, DSE, POOR POR, NS. SH: BLK, CARB, SME RED PCS.

LS: TAN - CRM, F XLN, DSE, POOR PPT POR, 3 PCS W/ SPOTTY BRN STN, V TITE, NSFO, NO ODOR.

LS: TAN - CRM, F XLN, V TITE, POOR PPT POR IN PT, 2 PCS W/ LT SPOTTY STN, NSFO.

LS: TAN - CRM, F XLN, DSE, POOR PPT & VUGGY POR, LT BRN SPOTTY STN THRUOUT, PR - FR SFO ON BRK, FAINT ODOR.

LS: TAN - CRM - GRY, F XLN, DSE, V TITE, POOR PPT POR, FEW SMALL VUGS, 4-5 PCS W/ SPOTTY BRN STN & VSSFO ON BRK, FAINT ODOR.

LS: TAN - CRM - GRY, F - VF XLN, DSE, FEW OOL PCS, POOR PPT POR, NSFO. SH: BLK.

LS: AA. SUB CHLKY IN PT.

LS: OFF WHT, VF XLN, DSE, NO VIS POR, NSFO, NO ODOR.

LS: OFF WHT - GRY, F XLN, DSE, POOR PPT POR, CHLKY IN PT, NSFO, NO ODOR.

SH: BLK, CARB, SME RED PCS.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT & VUGGY POR, 30% W/ BRN STN & SSFO ON BRK, FAINT ODOR.

LS: TAN - CRM - BRN, F XLN, POOR POR, CHLKY IN PT, NSFO, NO ODOR.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT POR, 4-5 PCS W/ SPOTTY BRN STN, V FAINT ODOR.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT & VUGGY POR, MANY W/ BRN STN & VSSFO ON BRK, FAINT ODOR.

GRY & RED SH.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT & VUGGY POR, 30% W/ SAT STN & SFO ON BRK, FAINT ODOR.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT POR W/ SPOTTY BRN STN, NSFO, NO ODOR.

LS: TAN - CRM - BRN, F XLN, DSE, POOR PPT & VUGGY POR, SSO ON BRK, FAINT ODOR.

BKC 3732' (-1481')
ELOG 3730' (-1479')
 ABUNDANT SH: GRY - BLK - RED - YELLOW, SFT - FIRM.

SH: AA. LS: TAN, F XLN, DSE, NSFO, NO ODOR.

SH: GRY - BLK - RED, SFT - FIRM.

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

LS: AA. PYR IN PT. SH: GRY - BLK - RED, BLOCKY, FIRM.

MUD PROP. @
 3618'
 WT: 9.0
 VIS: 55
 WL: 6.4
 CC: 2400
 LCM: 2#

RIG CHECK @ 3634'

DST #1
 3626'-3732'

SEE HEADER FOR RESULTS

DST #2
 3759'-3812'

SEE HEADER FOR RESULTS

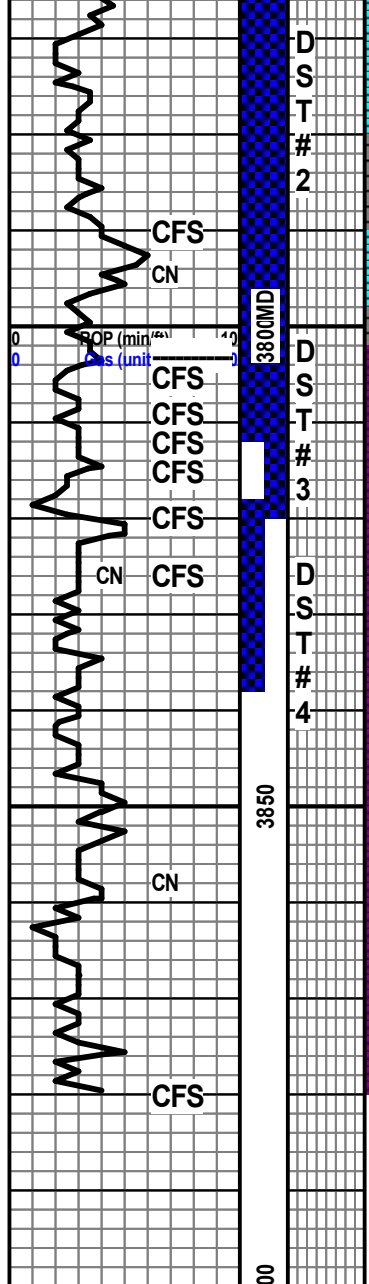
PIPE STRAP 1.62' LONG

MUD PROP. @
 3732'
 WT: 9.1
 VIS: 50
 WL: 6.8
 CC: 2800
 LCM: 1#

DST #3
 3757'-3820'

SEE HEADER FOR RESULTS

RIG CHECK @ 3762'



LS: OFF WHT - TAN, F XLN, DSE, POOR POR, CHLKY IN PT, NS.
 SH: AA - ABUNDANT.
 SH: GRY - BLK - RED - YELLOW - TEAL, SFT - FIRM.
 SH: AA. LS: OFF WHT - TAN, F XLN, DSE, NSFO.
 ABUNDANT SH: GRY - BLK - RED - YELLOW - TEAL. FRESH CHRT IN PT: TAN - BRN.
ARB. 3804' (-1553')
ELOG 3803' (-1552')
 DOLO: BRN, F XLN, DSE, SUCR, FR INT XLN & VUGGY POR W/ GD SFO & GAS BUB ON BRK, GD ODOR.
 DOLO: BRN, F XLN, SUCR, PR INT XLN POR, FEW SMALL VUGS, FR - GD SFO, GD ODOR, CHLKY IN PT.
 DOLO: BRN, F - MED XLN, DSE, SUCR IN PT, FR - GD INT XLN & VUGGY POR W/ GD SFO & GAS BUB, GD ODOR.
 DOLO: AA.
 DOLO: BRN, F XLN, DSE, POOR INT XLN POR, FEW SMALL VUGS, 50% W/ GD SFO & GD ODOR, 50% BARREN.
 DOLO: BRN, F XLN, DSE, POOR INT XLN POR, 30% W/ FR SFO & FR ODOR, REST BARREN.
 DOLO: BRN, F XLN, DSE, POOR INT XLN POR, 30% W/ PR SFO & FR ODOR, 70% BARREN.
RTD 3880' LTD 3881'

PIPE STRAP 0.75' LONG

BIT STARTED JUMPING @ 3804'
 MUD PROP. @ 3812'
 WT: 9.2
 VIS: 52
 WL: 7.2
 CC: 3100
 LCM: 1#
 DST #4
 3818'-3838'
 SEE HEADER FOR RESULTS

*NOTE: ARBUCKLE HAS CARRIED SH ALL THE WAY: GRY - DRK GRY, PLATEY, SFT.
 MUD PROP. @ 3880'
 WT: 9.5
 VIS: 56
 WL: 6.8
 CC: 3000
 LCM: 1#