

Confidentiality Requested:

☒ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1253308

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34158

Name: O'Brien Resources, LLC

Address 1: PO BOX 6149

Address 2:

City: SHREVEPORT State: LA Zip: 71136 + 6149

Contact Person: Steve Harris

Phone: (318) 865-8568

CONTRACTOR: License # 34233

Name: Maverick Drilling LLC

Wellsite Geologist: Jim Robbins

Purchaser:

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☒ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☐ Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

- ☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

04/29/2015 05/08/2015 05/08/2015
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-165-22107-00-00

Spot Description:

E2 SE NW SE Sec. 4 Twp. 19 S. R. 17 ☐ East ☒ West
1650 Feet from ☐ North / ☒ South Line of Section
1649 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: Rush

Lease Name: Vondracek 4 Well #: 2

Field Name:

Producing Formation: N/A

Elevation: Ground: 2094 Kelly Bushing: 2104

Total Vertical Depth: 3990 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 270 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: 48000 ppm Fluid volume: 1200 bbls

Dewatering method used: Evaporated

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: 05/27/2015
☒ Confidential Release Date: 05/26/2017
☒ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution
ALT ☐ I ☒ II ☐ III Approved by: NAOMI JAMES Date: 05/28/2015

1253308

Operator Name: O'Brien Resources, LLC

Lease Name: Vondracek 4

Well #: 2

Sec. 4 Twp. 19 S. R. 17 ☐ East ☒ West

County: Rush

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 ☒ Yes ☐ No

(Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No

List All E. Logs Run:

Attached

☐ Log Formation (Top), Depth and Datum ☒ Sample

Name	Top	Datum
Anhydrite	1215	+889
Base Anhydrite	1243	+861
Heebner	3440	-1336
Lansing	3490	1386
Solid Arbuckle	3876	1772
Log Total Depth	3991	-1887

CASING RECORD ☒ New ☐ 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
Surface	12.25	8.625	20	270	A	175	3%CC, 2%Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing	-			
☐ Plug Back TD				
☐ Plug Off Zone	-			

Did you perform a hydraulic fracturing treatment on this well?

☐ Yes ☒ No (If No, skip questions 2 and 3)

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?

☐ Yes ☐ No (If No, skip question 3)

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
				☐ Yes ☒ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____

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

DISPOSITION OF GAS:

☐ Vented ☐ Sold ☐ Used on Lease

(If vented, Submit ACO-18.)

METHOD OF COMPLETION:

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
 (Submit ACO-5) (Submit ACO-4)
☐ Other (Specify) _____

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Vondracek 4 2
Doc ID	1253308

All Electric Logs Run

Composite Density Neutron
Density Neutron Micro
Induction
Microlog
Neutron Sonic Micro
Sonic

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Vondracek 4 2
Doc ID	1253308

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	270	A	175	3%CC, 2%Gel

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

065542

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

SERVICE POINT:

Great Bend KS

DATE 04-29-15	SEC. 4	TWP. 19	RANGE 17	CALLED OUT	ON LOCATION 1030 PM	JOB START 730 AM	JOB FINISH 830 AM
CONTRACT KEY LEASE	WELL # 2	LOCATION Timken west to 310 Rd			COUNTY Rush	STATE KS	
OLD OR NEW (Circle one)			2 3/4 South west into				

CONTRACTOR MANDERICK

OWNER

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 270.33

CASING SIZE 8 5/8 24 LBS DEPTH 270

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 ft

PERFS.

DISPLACEMENT 16.26 BBLs fresh H2O

EQUIPMENT

PUMP TRUCK CEMENTER Kevin Eddy

366 HELPER BEN NEWELL

BULK TRUCK

#871/112 DRIVER Marilyn Spangenberg

BULK TRUCK

DRIVER

REMARKS:

ON LOCATION / Hold Safety Meeting / Rig up
Rig RAW 270.33 ft of 8 5/8 casing - B/LK
Circ w/ Rig mud - Pump 5 B/LK fresh H2O
Mix 175 sx CLASS A 3 1/2 cc 2 1/2 gel - Displace
16.26 BBLs fresh H2O - SHUT IN.
Cement Did Circ
Rig Down

CHARGE TO: O'Brien Resources

STREET

CITY STATE ZIP

To: Allied Oil & Gas Services, LLC.

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

PRINTED NAME Cody Hays

SIGNATURE

CEMENT

AMOUNT ORDERED 175 sx CLASS A 3 1/2 cc

2 1/2 gel

COMMON 175 sx @ 3132.30

POZMIX @

GEL 329 LBS @ 164.50

CHLORIDE 473 LBS @ 542.30

ASC @

@

@

@

@

@

@

@

@

TOTAL 3839.50

DISCOUNT 45 % 1.727.78

SERVICE

HANDLING 189.18 x 24 @ 469.17

MILEAGE 8.34 x 25 x 2.75 594.00

DEPTH OF JOB

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

HV MILEAGE 7.70 a mile 25 @ 192.50

LV MILEAGE 448 a mile 25 @ 110.00

@

@

TOTAL 2877.42

DISCOUNT 45 % 1295.06

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

45%

TOTAL

DISCOUNT 45 %

SALES TAX (If Any) 6

TOTAL CHARGES 6.717.42

DISCOUNT 1295.06 IF PAID IN 30 DAYS

NET TOTAL 5.422.36 IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC 055765

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Vondracek

Russell KS

DATE: <i>5-8-15</i>	SEC. <i>4</i>	TWP. <i>19</i>	RANGE <i>17</i>	CALLED OUT	ON LOCATION	JOB START <i>6:00 AM</i>	JOB FINISH <i>6:30 AM</i>
LEASE <i>Vondracek</i>	WELL# <i>4-2</i>	LOCATION <i>Timken 3W 35 1E 14N</i>			COUNTY <i>Rush</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <i>NEW</i>				<i>Winto</i>			

CONTRACTOR *Maverick*

OWNER

TYPE OF JOB *PTA*

HOLE SIZE <i>7 7/8</i>	T.D. <i>3990</i>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <i>4 1/2 16.6</i>	DEPTH <i>3864</i>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT	
AMOUNT ORDERED <i>270 60/40 42 gal</i>	

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<i>60/40 42 gal 270</i>	@ <i>15.50</i>	<i>4185.00</i>
<i>42 68</i>	@ <i>2.95</i>	<i>260.60</i>

EQUIPMENT

PUMP TRUCK	CEMENTER <i>Robert Yakubovich</i>
# <i>409</i>	HELPER <i>Tracy Jordan</i>
BULK TRUCK	
# <i>410</i>	DRIVER <i>Ben Griffin</i>
BULK TRUCK	
#	DRIVER

<i>Matt</i>	@	<i>4385.60</i>
<i>Steve</i>	@ <i>1534.96</i>	
HANDLING <i>270 5.65</i>	@ <i>2.48</i>	<i>669.60</i>
MILEAGE <i>297 f/m</i>	@ <i>2.75</i>	<i>800.94</i>
<i>291.25</i>	TOTAL	

REMARKS:

p1 50.56 @ 3864
p2 50.56 @ 12.50
p3 50.56 @ 5.40
p4 50.56 @ 3.00
p5 20.56 @ 6.0
30.56 in Rphole
20.56 in mouse hole
K00499996

Thank you!!!

SERVICE

DEPTH OF JOB	<i>3864</i>
PUMP TRUCK CHARGE	<i>2765.75</i>
EXTRA FOOTAGE	@
MILEAGE <i>25 LV.41</i>	@ <i>4.40</i> <i>110.00</i>
MANIFOLD	@
<i>50 HVMI</i>	@ <i>7.70</i> <i>385.00</i>
	@
	<i>4731.29</i>
<i>Steve 1655.95</i>	TOTAL <i>4731.29</i>

CHARGE TO: *O'Brien Resources*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<i>8 5/8 Warden plug</i>	@ <i>110.00</i>	<i>110.00</i>
	@	
	@	
	@	
<i>Steve 38.50</i>	TOTAL <i>110.00</i>	

SALES TAX (If Any) _____

TOTAL CHARGES ~~*8916.29*~~ *9226.89*

DISCOUNT ~~*3120.70*~~ *3227.41* (35%) IF PAID IN 30 DAYS

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE *[Signature]*

~~*NET 8795.58*~~
net 5997.48



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

4-19s-17w Rush KS

Po Box 6149
Shreveport LA, 71136

Vondracek 4-2

Job Ticket: 62705

DST#: 1

ATTN: Kurt Talbott

Test Start: 2015.05.05 @ 17:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:49:30

Time Test Ended: 04:41:45

Test Type: Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3751.00 ft (KB) To 3867.00 ft (KB) (TVD)

Reference Elevations: 2104.00 ft (KB)

Total Depth: 3867.00 ft (KB) (TVD)

2094.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8940 Outside

Press@RunDepth: 74.14 psig @ 3756.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.05

End Date:

2015.05.06

Last Calib.: 2015.05.06

Start Time: 17:50:05

End Time:

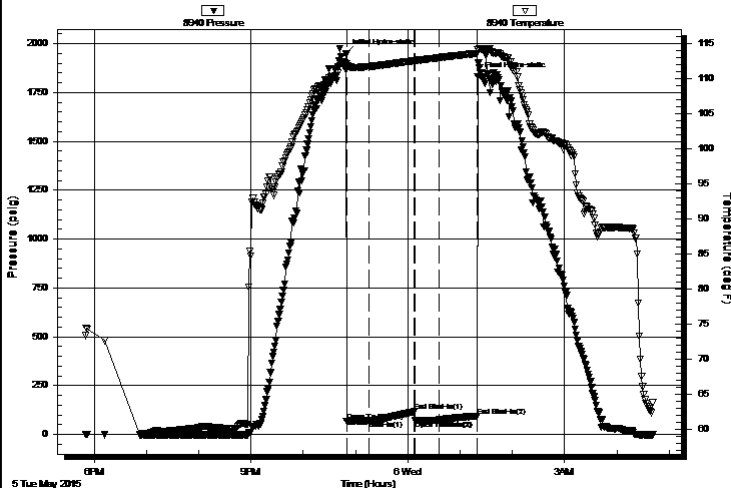
04:41:45

Time On Btm: 2015.05.05 @ 22:49:15

Time Off Btm: 2015.05.06 @ 01:20:15

TEST COMMENT: 30 - IF- 3/4" in 15 minutes, died back to 1/2" blow
45 - IS- No return
30 - FF- No blow
45 - FS- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.47	112.18	Initial Hydro-static
1	67.70	111.50	Open To Flow (1)
26	70.69	111.73	Shut-In(1)
79	116.65	112.58	End Shut-In(1)
79	71.97	112.57	Open To Flow (2)
106	74.14	113.00	Shut-In(2)
151	94.38	113.62	End Shut-In(2)
151	1832.59	114.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud - Oil spots, 100%M	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

4-19s-17w Rush KS

Po Box 6149
Shreveport LA, 71136

Vondracek 4-2

Job Ticket: 62705

DST#: 1

ATTN: Kurt Talbott

Test Start: 2015.05.05 @ 17:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: in³

Resistivity: 8.80 ohm.m

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud - Oil spots, 100%M	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

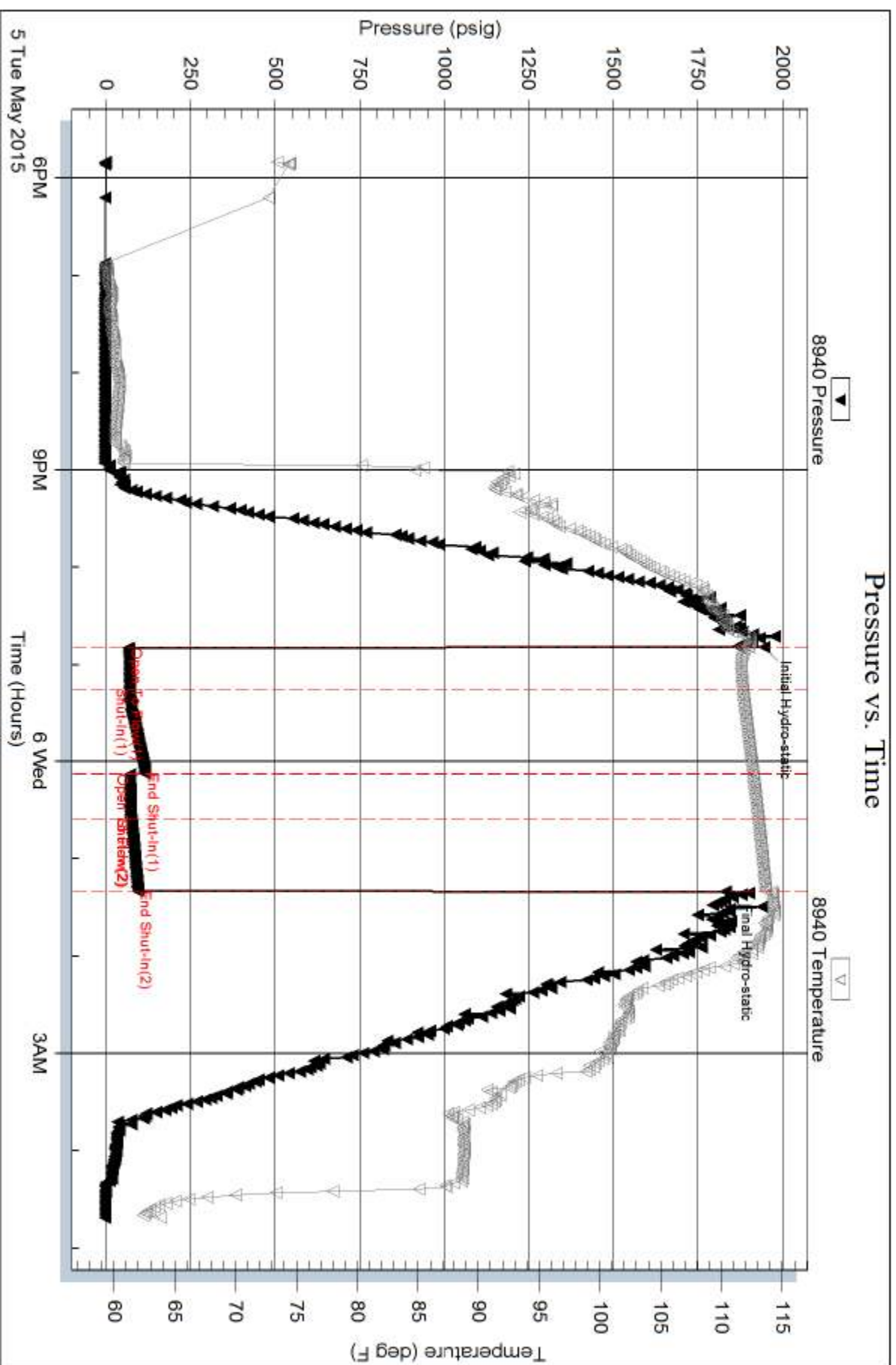
Recovery Comments:

Serial #: 8940

Outside O'Brien Resources LLC

Vondracek 4-2

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

4-19s-17w Rush KS

Po Box 6149
Shreveport LA, 71136

Vondracek 4-2

Job Ticket: 62706

DST#: 2

ATTN: Kurt Talbott

Test Start: 2015.05.06 @ 16:46:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:47:30

Time Test Ended: 00:21:30

Test Type: Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3748.00 ft (KB) To 3890.00 ft (KB) (TVD)

Total Depth: 3890.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2104.00 ft (KB)

2094.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8648 Inside

Press@RunDepth: 271.16 psig @ 3753.00 ft (KB)

Start Date: 2015.05.06

End Date:

2015.05.07

Start Time: 16:46:05

End Time:

00:21:29

Capacity: 8000.00 psig

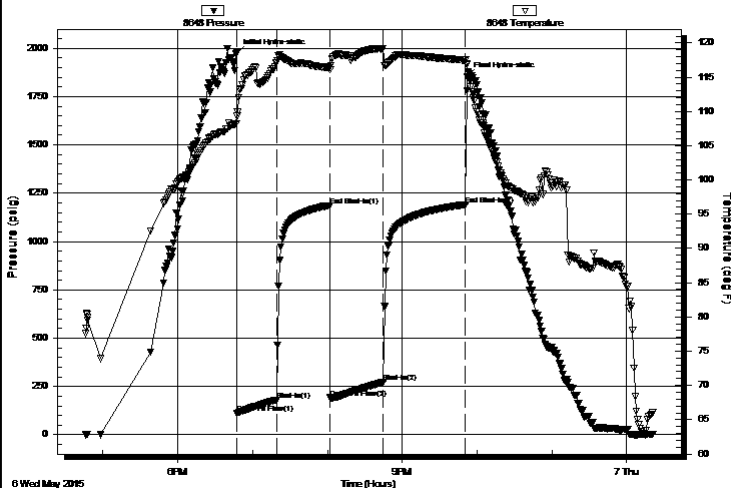
Last Calib.: 2015.05.07

Time On Btm: 2015.05.06 @ 18:47:00

Time Off Btm: 2015.05.06 @ 21:52:00

TEST COMMENT: 30 - IF- B.O.B. in 10 minutes
45 - IS- No return
45 - FF- B.O.B. in 38 minutes
60 - FS- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.83	108.24	Initial Hydro-static
1	112.39	109.32	Open To Flow (1)
33	179.85	117.18	Shut-In(1)
75	1186.48	116.40	End Shut-In(1)
76	191.19	116.07	Open To Flow (2)
118	271.16	119.20	Shut-In(2)
184	1191.03	117.49	End Shut-In(2)
185	1851.95	116.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	WM, 40%W, 60%M	1.74
186.00	WM, 50%W, 50%M	2.61
124.00	WM, 15%W, 85%M	1.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

4-19s-17w Rush KS

Po Box 6149
Shreveport LA, 71136

Vondracek 4-2

Job Ticket: 62706

DST#: 2

ATTN: Kurt Talbott

Test Start: 2015.05.06 @ 16:46:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: in³

Resistivity: 8.80 ohm.m

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity: 17000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	WM, 40%W, 60%M	1.739
186.00	WM, 50%W, 50%M	2.609
124.00	WM, 15%W, 85%M	1.739

Total Length: 434.00 ft Total Volume: 6.087 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .4 @ 70 Degrees = 17000 Salinity

Serial #: 8648

Inside

O'Brien Resources LLC

Vondracek 4-2

DST Test Number: 2

Pressure vs. Time

