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 # 34318
Name: BEREXCO LLC
Address 1: 2020 N. BRAMBLEWOOD
Address 2:
City: WICHITA State: KS Zip: 67206 + 1094
Contact Person: Rodney Reynolds
Phone: (316) 265-3311
CONTRACTOR: License # 34317
Name: BEREDCO LLC
Wellsite Geologist: Bryan Bynog
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 #:

7/13/2017	7/24/2017	9/1/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-039-21241-00-00
Spot Description:
NE - SW - NE - NW Sec. 9 Twp. 4 S. R. 27 ☐ East ☑ West
710 Feet from ☑ North / ☐ South Line of Section
1920 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: (e.g. xx.xxxxx), Long: (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Decatur
Lease Name: PETRACEK Well #: 6
Field Name:
Producing Formation: LKC
Elevation: Ground: 2664 Kelly Bushing: 2672
Total Vertical Depth: 4139 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 310 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2280 Feet
If Alternate II completion, cement circulated from: 2280
feet depth to: 0 w/ 400 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 1000 ppm Fluid volume: 600 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: 10/10/2017
☑ **Confidential Release Date:** 10/10/2019
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 10/10/2017

Page Two

Operator Name: BEREXCO LLC Lease Name: PETRACEK Well #: 6

Sec. 9 Twp. 4 S. R. 27 ☐ East ☑ West County: Decatur

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 ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geologist Report / Mud Logs ☑ Yes ☐ No

List All E. Logs Run:
Attached

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

Name	Top	Datum
Attached	Attached	Attached

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	23	310	common	225	3%CC
Production	7.875	5.5	15.5	3905	lite and common	725	1/4# floseal, 8% 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	-			
	-			

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: 9/14/2017

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	60		12		

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
3589	3594

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
4	3589	3594			1000 gal 15% MCA, 3% solvent

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	PETRACEK 6
Doc ID	1369847

All Electric Logs Run

Dual Induction
Microresistivity
Dual Comp Porosity
Sonic log

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	PETRACEK 6
Doc ID	1369847

Tops

Name	Top	Datum
Anhydrite	2182	490
Base Anhydrite	2216	456
Topeka	3353	-681
Oread	3493	-821
LKC A	3567	-895
LKC B	3589	-917
LKC E	3615	-943
LKC G	3646	-974
LKC H	3675	-1003
LKC K	3740	-1068
BKC	3762	-1090
Arbuckle	4040	-1368

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	PETRACEK 6
Doc ID	1369847

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	23	310	common	225	3%CC
Production	7.875	5.5	15.5	3905	lite and common	725	1/4# floseal, 8% gel

BEREXCO, LLC.
PETRACEK #6
NENW SECTION 9 4S-27W
DECATUR COUNTY, KANSAS

GEOLOGIST

William B. Bynog

RESUME

OPERATOR:	BEREXCO, LLC.
WELL NAME & NUMBER:	PETRACEK #6
LOCATION:	NE NW SECTION 9 4S-27W
COUNTY:	DECATUR
STATE:	KANSAS
SPUD DATE: 7-12-2017	COMPLETION DATE: 7-24-2017
ELEVATIONS:	GL: 2664 KB: 2672
CONTRACTOR:	BEREDCO RIG 2
LOGS: GEMINI	TYPES: CNL, DIL & ML
WELLSITE ENGINEER:	NONE
MUD COMPANY:	MORGAN MUD
MUD TYPE & ENGINEER:	FRESH CHEMICAL
GEOLOGIST:	WILLIAM B. BYNOG
HOLE SIZE:	7 7/8
MUD LOGGING BY:	NONE
DRILL STEM TEST COMPANY:	TRILOBITE
DRILL STEM TEST:	DST#1 3515-75, DST#2 3576-3598, DST#3 3610-30, DST#4 3640-55, DST#5 3654-3725
WELL STATUS:	PRODUCTIVE

DISCUSSION

Petracek #6 was drilled a total depth of 4150 feet testing the Lansing Kansas City, Marmaton, Arbuckle and Granite Wash formations in Decatur County, Kansas. This well was drilled in old Petracek Field discovered in the 1960's, located northwest of Jennings Kansas.

Petracek #6 came in two feet low to prognosis and high to nearby offsets. As a result of running high there were multiple good quality sample shows in many different zones including the Toronto, Lansing Kansas City zones A, B, C, G, H and J. All these zones have very good hydrocarbon shows and were tested with favorable results. There were some minor shows uphold in the Burlingame formation at 3312 feet, not worthy of a drill stem test. Testing started with the Toronto and Lansing A zones recovering only 53 feet of mud on drill stem test #1. Drilling continued to the B zone encountering a good drilling break and very good sample shows. The B zone was tested on drill stem test #2 recovering 1749 feet of gas in pipe and 1104 feet of total fluid (988 feet of clean oil and 116 feet of heavy gas and oil cut mud) with great pressures. Drill stem test #3 on the C, D and E zones recovered 5 feet of oil cut mud (3% oil) with very low depleted pressures. There were very good oil shows in the Lansing Kansas City G zone, prompting drill stem test #4. The G zone tested 59 feet of total fluid (25 feet of clean oil and 34 feet of oil cut watery mud). Drill stem test #5 on the H, I and J zones recovered 467 feet of gas in pipe, 55 feet of clean oil and 73 feet of heavy oil and gas cut mud with great pressure data, especially for an old field.

Logs indicated the Lansing zones A through J zones all have fair porosity development and high resistivity. A decision was made to set production pipe based on very good sample shows, great drill stem test recoveries, favorable log calculations and structural relationship.

Petracek #6 Sample Descriptions

3100-16 LIMESTONE off white,firm,very dirty,argillaceous

3116-40 SHALE red,very soft,very gummy

3140-80 LIMESTONE cream,firm,chalky,poor porosity, with SHALE as above

3180-86 LIMESTONE buff,pale yell,firm,blocky,chalky in part,trace Chert white

3186-3260 SHALE gray,slightly hard,very silty in part,blocky, becoming slightly carbonaceous at base

3260-76 LIMESTONE buff,pale yell,blocky,microcrystalline,poor porosity,no shows with thin SHALE as above

3276-80 LIMESTONE pale gray,firm,microcrystalline to microsuc texture,poor crystalline porosity,very spotty live brown stain,fair cut

3280-88 LIMESTONE buff,pale yell,hard,blocky,very fnly crystalline,no shows

3288-96 SHALE red,green,gray,very color

BURLINGAME

3296-36 LIMESTONE buff,pale gray,hard,dense,argillaceous in part,poor porosity,no shows with interbedded SHALE as above

3236-58 SHALE red,very soft,very argillaceous

Petracek #6 Sample Descriptions

TOPEKA

3358-84 LIMESTONE off white,hard,blocky,very fnly microcrystalline,fossils in part,poor porosity,no shows with thin SHALE as above

3384-3414 SHALE red,very soft,very argillaceous,gummy

3414-32 LIMESTONE cream,hard,blocky,fossils,dense matrix,very fnly crystalline,very poor pinpoint porosity with very spotty black dead stain

3432-42 LIMESTONE white,firm,very chalky,poor vis porosity,no shows

3432-66 SHALE red,green,very soft,very argillaceous,gummy

3466-72 GRAINSTONE white,firm,very fossils,oolites,fair intergranular fossils porosity,spotty thick black stain,good cut

3472-3490 SHALE as above very argillaceous,some black,firm, carbonaceous

OREAD

3490-3500 LIMESTONE pale gray,hard,dense,argillaceous,poor porosity,no shows

3500-02 GRAINSTONE white,firm,very oolitic,fair intergranular porosity,spotty black tar dead stain,good cut

3502-20 LIMESTONE white,cream,hard,blocky,very fnly crystalline,abundant chalky, poor porosity,trace black dead stain

HEEBNER

3520-24 SHALE black,firm,blocky,very carbonaceous

3524-28 LIMESTONE white,cream,very hard,very dense, crptoxln,blocky

3528-48 SHALE red,very soft,very gummy

TORONTO

3548-58 LIMESTONE pale gray,hard,slightly fossils,micro crystalline,chalky in part,poor pinpoint vuggy porosity,very spotty live brown stain, good cut,nfo

3558-66 SHALE as above

LANSING A

3566-70 LIMESTONE cream,hard,microcrystalline dense matrix, fair vuggy crystalline porosity,spotty live brown stain,good cut,good odor,poor show free oil

3570-80 LIMESTONE cream,very hard,dense,crptoxln,no shows

3580-96 SHALE red,very soft,very argillaceous, very abundant pyrite nods

B

3596-3600 LIMESTONE cream,firm,microsuc texture,very fossils,sandy in part,fair microcrystalline and intergranular fossils porosity,spotty to even live light brown stain,good cut,good odor,trace free oil

3598-3604 SHALE as above

C

3604-20 LIMESTONE white,firm to hard,blocky,dense, crptoxln,poor porosity,trace poor pinpoint porosity,very spotty brown stain,poor cut,abundant very chalky,abundant Chert amber with very thin SHALE as above

3620-24 LIMESTONE cream,firm,oolitic,poor to fair pinpoint fossils porosity,spotty live brown stain,good cut,nfo

3624-34 SHALE red,firm,slightly fissile

D

3634-40 LIMESTONE white,hard,blocky,dense,very chalky in part,crptoxln,abundant Chert gray

G

3640-46 GRAINSTONE white to cream,slightly hard,very oolitic,microcrystalline,poor to fair crystalline and intergranular vuggy porosity,spotty to even live brown stain,good cut,fair odor,nfo

3646-58 LIMESTONE as above white to cream,hard,blocky,dense,abundant chalky,trace Chert gray

3658-70 SHALE var color red,green as above

H

3570-75 LIMESTONE white to cream,hard,blocky,dense,chalky in part, fnly microcrystalline,slightly oolites,poor to pinpoint spotty vuggy porosity with very spotty brown stain,good cut,nfo

3675-79 LIMESTONE as above, very dense,chalky in part,no shows

3679-3714 SHALE as above some very sandy in part,no shows

J

3714-20 LIMESTONE white,hard,slightly oolitic,chalky in part, poor pinpoint vuggy porosity,very spotty brown stain,fair cut,slightly odor,trace free oil

3720-34 SHALE, green,black,firm,fissile,slightly carbonaceous

K

3734-48 LIMESTONE white,hard,crptoxln,abundant chalky in part.poor vis porosity,no shows trace Chert white with thin SHALE as above

3748-54 SHALE green,gray,black,firm,fissile

3751-56 LIMESTONE white to cream,firm,very chalky,poor porosity,no shows

3756-62 LIMESTONE light tan,very hard,very dense,blocky, crptoxln,very poor porosity,no shows

BKC

3762-67 SHALE gray,green,firm,fissile

3767-76 SANDSTONE white to pale green,firm,very fine grained,clay filled,poor porosity,no shows

3776-84 SHALE green,some red,firm,fissile,waxy

3784-92 LIMESTONE cream,very hard,crptoxln,blocky,poor porosity,no shows

3792-3810 SHALE gray,firm,fissile

3810-96 SHALE red,soft,very argillaceous,gummy with thin streaks LIMESTONE white,firm,very chalky,no shows

3896-10 LIMESTONE white,soft,very chalky,no shows with thin SHALE as above

3910-66 SHALE green,gray,firm,fissile

3966-4000 SHALE red,soft,very argillaceous,gummy

4000-10 SHALE as above with some LIMESTONE cream,hard,dense,no shows abundant Chert pale yell

Petracek #6 Sample Descriptions

4010-16 SANDSTONE white to pale yell,friable,fine to m grained,sub angular,psrtd,green biotite inclusions,poor porosity,no shows

4016-20 GONGLOMERATE quartz,granite,chert angular fragments,shale and limestone as above

GRANITE WASH

4020-86 GRANITE WASH coarse pink,red granite grains with biotite,abundant clear quartz grains,blocky

GRANITE

4086-4150 GRANITE pink to red,biotite,abundant quartz coarse grains becoming less weathered

RTD 4150

LTD 4139

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601
4/10

Test Ticket

NO. 64196

Well Name & No. Petracek #6 Test No. 1 Date 7-17-17
Company Brickco LLC Elevation 2680 KB 2672 GL
Address 2020 N. Bramblewood, Wichita, KS 67226
Co. Rep / Geo. Bryan Bynum Rig Beredco #2
Location: Sec. 7 Twp. 4 S. Rge. 27 W. Co. Decatur State KS

Interval Tested 3515-3575 Zone Tested Lansing + LKC "A"
Anchor Length 60 Drill Pipe Run 2996 Mud Wt. 9.1
Top Packer Depth 3510 Drill Collars Run 522 Vis 62
Bottom Packer Depth 3515 Wt. Pipe Run — WL 6.8
Total Depth 3575 Chlorides 2600 ppm System LCM 2#

Blow Description IF: S. blow built to 1/4"
ISI: No blow
FF: No blow
FSI: No blow

Rec 53	Feet of Mud	%gas	%oil	%water 100	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 53 BHT 112 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1783
(B) First Initial Flow 17
(C) First Final Flow 25
(D) Initial Shut-In 870
(E) Second Initial Flow 29
(F) Second Final Flow 38
(G) Final Shut-In 862
(H) Final Hydrostatic 1755

Initial Open 30
Initial Shut-In 60
Final Flow 60
Final Shut-In 90

- [x] Test
- [x] Jars
- [x] Safety Joint
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 41 RT
- [ ] Sampler
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total

T-On Location 18:54
T-Started 20:55
T-Open 00:23
T-Pulled ~~07:10~~ 04:23
T-Out 07:10
Comments

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total
Total
MP/DST Disc't

Approved By [signature] Our Representative [signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Berexco LLC

2020 N. Bramblewood
Wichita, KS 67206

ATTN: Bryan Bynog

9 - 4S. - 27 W Decatur Co

Patracek #6

Job Ticket: 64196 **DST#: 1**

Test Start: 2017.07.17 @ 20:55:00

GENERAL INFORMATION:

Formation: **Toronto & Lansing "A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:22:00
Time Test Ended: 07:10:00

Interval: 3515.00 ft (KB) To 3575.00 ft (KB) (TVD)
Total Depth: 3575.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

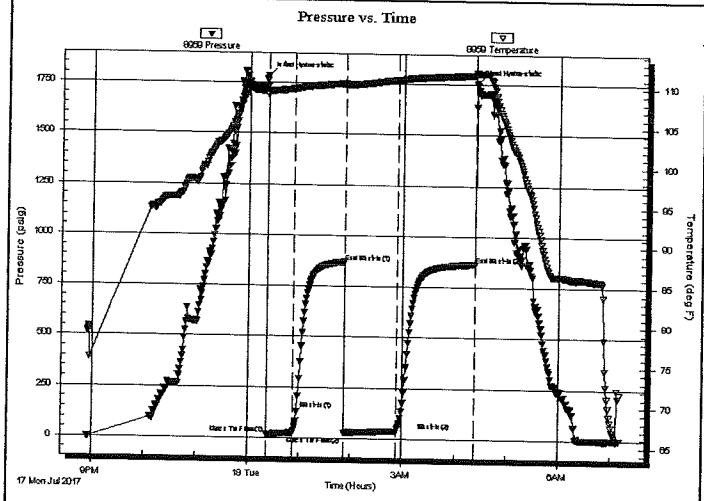
Test Type: Conventional Bottom Hole (Initial)
Tester: Martine Salinas
Unit No: 82

Reference Elevations: 2680.00 ft (KB)
2672.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8959 **Inside**

Press@RunDepth:	37.66 psig @	3516.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2017.07.17	End Date:	2017.07.18	Last Calib.:	2017.07.18
Start Time:	20:55:00	End Time:	07:10:00	Time On Btm:	2017.07.18 @ 00:21:50
				Time Off Btm:	2017.07.18 @ 04:24:30

TEST COMMENT: 30-IF-S.blow built to 1/4"
60-ISI-No blow
60-FF-No blow
90-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.75	110.01	Initial Hydro-static
1	18.63	108.91	Open To Flow (1)
31	24.51	109.71	Shut-In(1)
91	870.47	110.45	End Shut-In(1)
91	28.76	110.23	Open To Flow (2)
151	37.66	110.90	Shut-In(2)
242	862.49	111.60	End Shut-In(2)
243	1755.31	111.94	Final Hydro-static

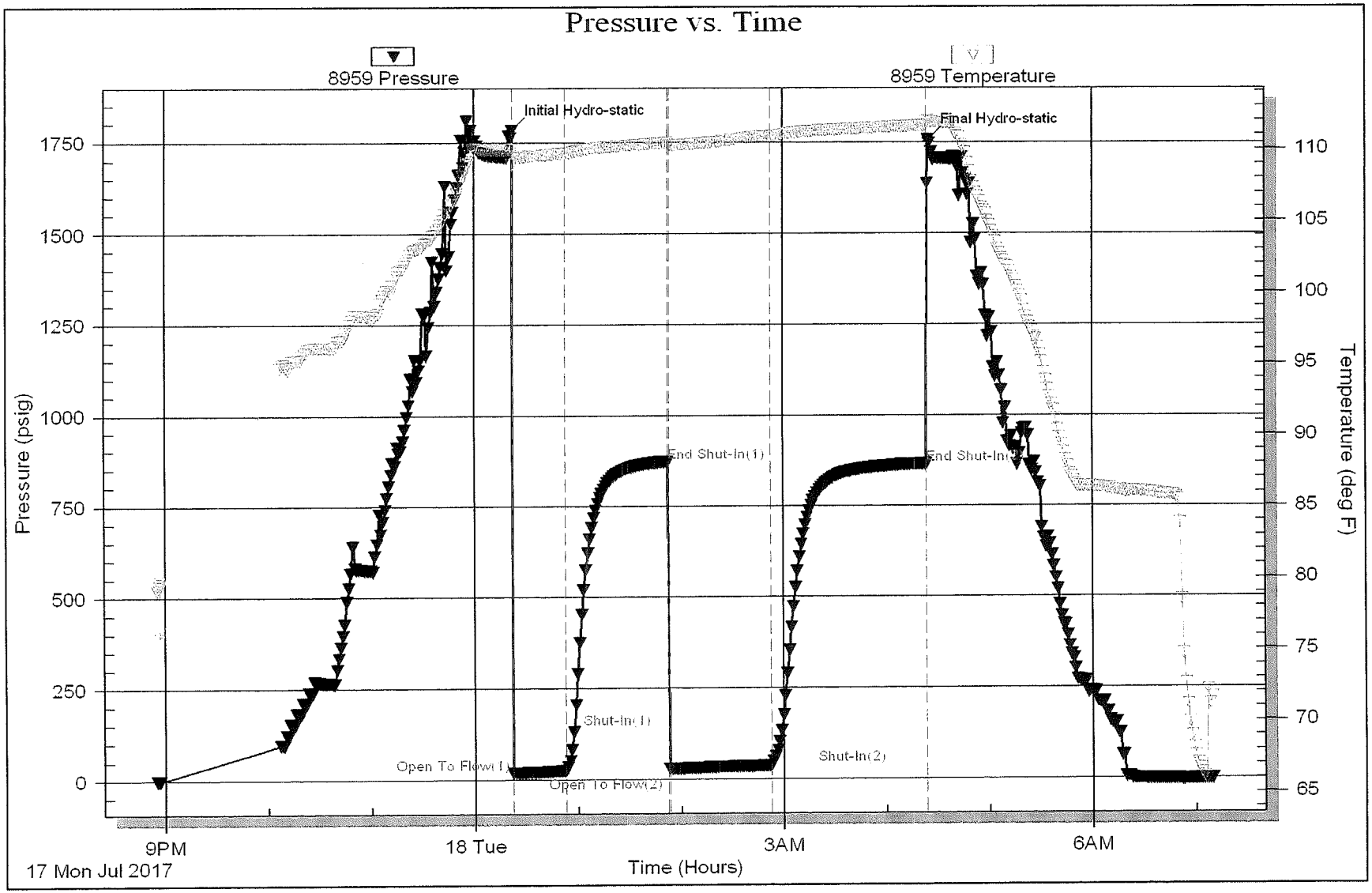
Recovery

Length (ft)	Description	Volume (bbl)
53.00	100% Mud	0.26

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8959 **Inside** Berexco LLC Patracek #6 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 64196 Printed: 2017.07.18 @ 07:25:04

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601
4/10

Test Ticket

NO. 64197

Well Name & No. Petracek #6 Test No. 2 Date 7-18-17
Company Berexco LLC Elevation 2680 KB 2672 GL
Address 2020 N. Bramblewood, Wichita, KS 67206
Co. Rep / Geo. Bryan Byrnes Rig Berexco #2
Location: Sec. 7 Twp. 4S. Rge. 27W Co. Decatur State KS

Interval Tested 3576-3598 Zone Tested Lansing "B"
Anchor Length 22' Drill Pipe Run 3059 Mud Wt. 9.1
Top Packer Depth 3571 Drill Collars Run 522 Vis 64
Bottom Packer Depth 3576 Wt. Pipe Run — WL 6.8
Total Depth 3598 Chlorides 3300 ppm System LCM 2#

Blow Description IF: S. blow built to B.O.B (12 Inches) @ 1 min
ISI: blowback built to B.O.B (12 Inches) @ 8 mins. & died back to 10½" @ Shut in
FF: S. blow built to B.O.B. (12 Inches) @ 7 mins 15 secs
FSI: blow back built to B.O.B (12 Inches) @ 9 mins 15 secs & died back to 11"

Rec 116	Feet of HGOCM	18	%gas 39	%oil	%water 43	%mud
Rec 988	Feet of CGO	7	%gas 93	%oil	%water	%mud
Rec 0	Feet of 1749' GIP	100	%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud

Rec Total 1104 BHT 114 Gravity 35.6 API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1809
(B) First Initial Flow 114
(C) First Final Flow 282
(D) Initial Shut-In 514
(E) Second Initial Flow 307
(F) Second Final Flow 400
(G) Final Shut-In 527
(H) Final Hydrostatic 1829

Initial Open 30
Initial Shut-In 60
Final Flow 60
Final Shut-In 60

- [x] Test
- [x] Jars
- [x] Safety Joint
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 41 RT
- [ ] Sampler
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total

T-On Location 16:14
T-Started 17:29
T-Open 19:57
T-Pulled 23:27
T-Out 05:24
Comments

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total
Total
MP/DST Disc't

Approved By ____ Our Representative ____

Trilobite Testing Inc. shall not be liable for damages of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Berexco LLC

2020 N. Bramblewood
Wichita, KS 67206

ATTN: Bryan Bynog

9 - 4S. - 27 W Decatur Co

Patracek #6

Job Ticket: 64197 **DST#: 2**

Test Start: 2017.07.18 @ 17:29:00

GENERAL INFORMATION:

Formation: **Lansing "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:57:40
Time Test Ended: 05:25:40

Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82

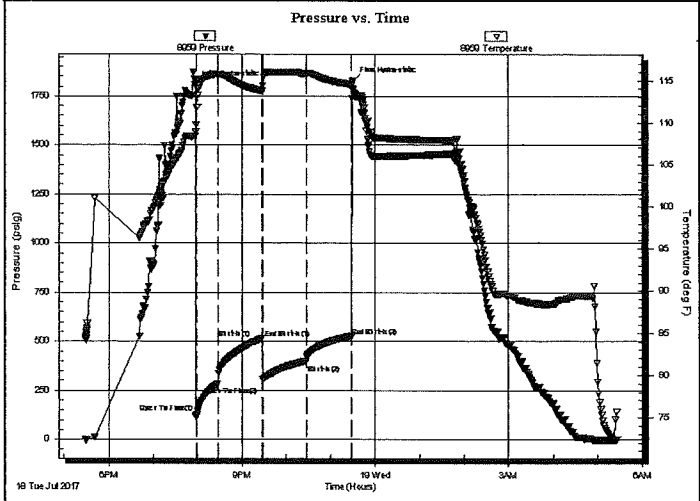
Interval: 3576.00 ft (KB) To 3598.00 ft (KB) (TVD)
Total Depth: 3598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2680.00 ft (KB)
2672.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8959 **Inside**

Press@RunDepth:	400.42 psig @	3577.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2017.07.18	End Date:	2017.07.19	Last Calib.:	2017.07.19
Start Time:	17:29:00	End Time:	05:25:40	Time On Btm:	2017.07.18 @ 19:56:30
				Time Off Btm:	2017.07.18 @ 23:30:50

TEST COMMENT: 30-IF-S.blow built to B.O.B. (12 inches) @ 1 min
60-ISI-Blow back built to B.O.B (12 inches) @ 8 mins & died back to 10 1/2 inches @ shut in
60-FF-S.blow built to B.O.B. (12 inches) @ 7mins 15 seconds
60-FSI-Blow back built to B.O.B (12 inches) @ 9 mins 15 seconds & died back to 11"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.97	108.35	Initial Hydro-static
2	113.79	109.72	Open To Flow (1)
31	282.46	115.74	Shut-In(1)
91	514.38	113.78	End Shut-In(1)
91	306.56	113.75	Open To Flow (2)
151	400.42	115.86	Shut-In(2)
213	527.32	114.53	End Shut-In(2)
215	1828.53	113.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
116.00	HGOCM 18%G, 39%O, 43%M	0.57
988.00	CGO 7%G, 93%O	10.16
0.00	1749' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601
4/10

Test Ticket

NO. 64198

Well Name & No. Petracek #6 Test No. 3 Date 7-20-17
Company Petroxco LLC Elevation 2680 KB 2682 GL
Address 2020 N. Bramblewood Wichita, KS 67206
Co. Rep / Geo. Bryan Byrnes Rig Petroxco #2
Location: Sec. 9 Twp. 4S Rge. 27W Co. Decatur State KS

Interval Tested 3610 - 3630 Zone Tested LKC "C, D + E"
Anchor Length 20' Drill Pipe Run 3089 Mud Wt. 9.1
Top Packer Depth 3605 Drill Collars Run 522 Vis 55
Bottom Packer Depth 3610 Wt. Pipe Run — WL 7.2
Total Depth 3630 Chlorides 2300 ppm System LCM 1#

Blow Description IF: Weak, 3" blow dead @ 4½ mins
ISI: No blow
FF: No blow
FSI: No blow

Rec 5	Feet of OSM	%gas 3	%oil	%water 97	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 111 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1839
(B) First Initial Flow 18
(C) First Final Flow 17
(D) Initial Shut-In 21
(E) Second Initial Flow 18
(F) Second Final Flow 17
(G) Final Shut-In 20
(H) Final Hydrostatic 1814

Initial Open 30
Initial Shut-In 45
Final Flow 45
Final Shut-In 45

- [x] Test
- [x] Jars
- [x] Safety Joint
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 41 RT.
- [ ] Sampler
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total

T-On Location 06:40
T-Started 07:42
T-Open 10:08
T-Pulled 12:53
T-Out 15:03
Comments

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total
Total
MP/DST Disc't

Approved By Our Representative

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Berexco LLC
2020 N. Bramblewood
Wichita, KS 67206

ATTN: Bryan Bynog

9 - 4S. - 27 W Decatur Co

Patracek #6

Job Ticket: 64198 **DST#: 3**

Test Start: 2017.07.20 @ 07:42:00

GENERAL INFORMATION:

Formation: **LKC "C, D & E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:10
Time Test Ended: 15:02:39

Interval: 3610.00 ft (KB) To 3630.00 ft (KB) (TVD)
Total Depth: 3630.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

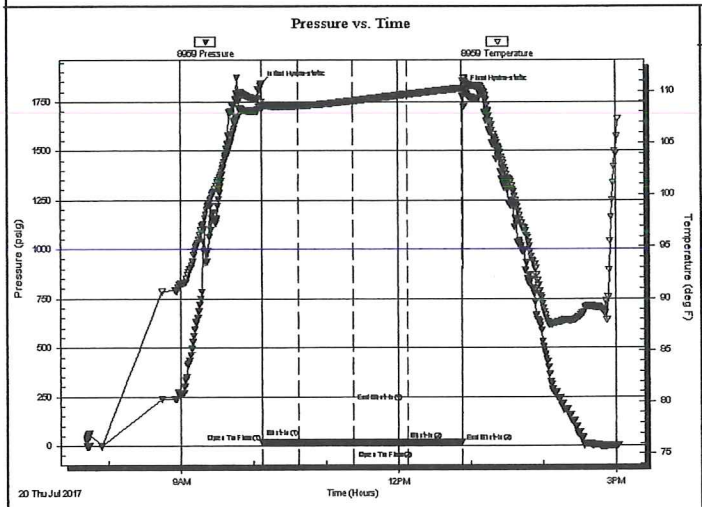
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82

Reference Elevations: 2680.00 ft (KB)
2672.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8959 **Inside**

Press@RunDepth:	17.45 psig @	3611.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2017.07.20	End Date:	2017.07.20	Last Calib.:	2017.07.20
Start Time:	07:42:00	End Time:	15:02:39	Time On Btm:	2017.07.20 @ 10:07:00
				Time Off Btm:	2017.07.20 @ 12:55:09

TEST COMMENT: 30-IF-Weak s. blow dead @ 9 1/2 mins
45-ISI- No blow
45-FF- No blow
45-FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1838.99	108.93	Initial Hydro-static
1	17.85	108.23	Open To Flow (1)
31	16.56	108.56	Shut-In(1)
76	20.78	109.04	End Shut-In(1)
76	17.55	109.05	Open To Flow (2)
121	17.45	109.68	Shut-In(2)
167	20.25	110.27	End Shut-In(2)
169	1813.96	111.11	Final Hydro-static

Recovery

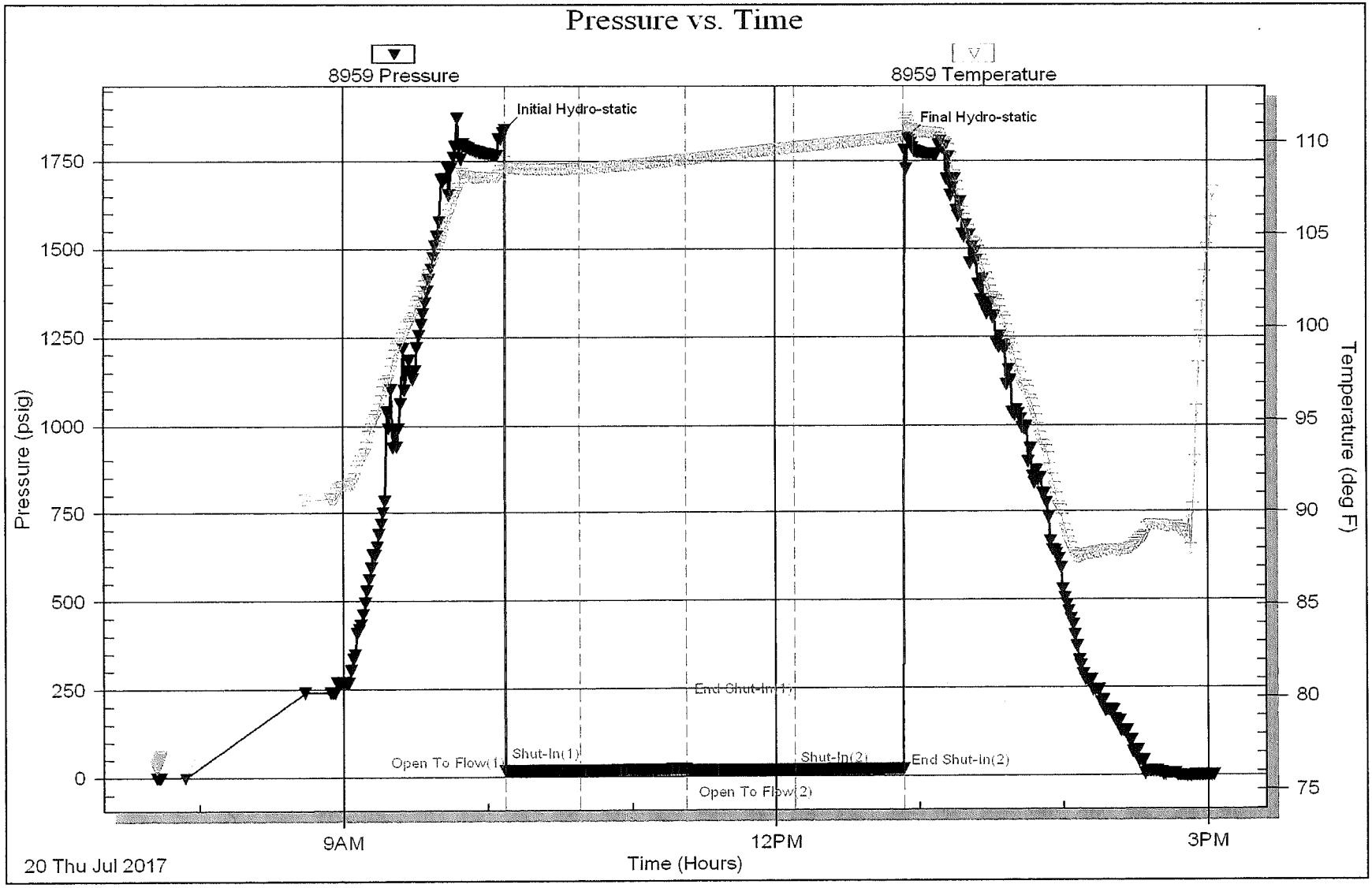
Length (ft)	Description	Volume (bbl)
5.00	OSM 3%O, 97%Mud	0.02

* Recovery from multiple tests

Gas Rates

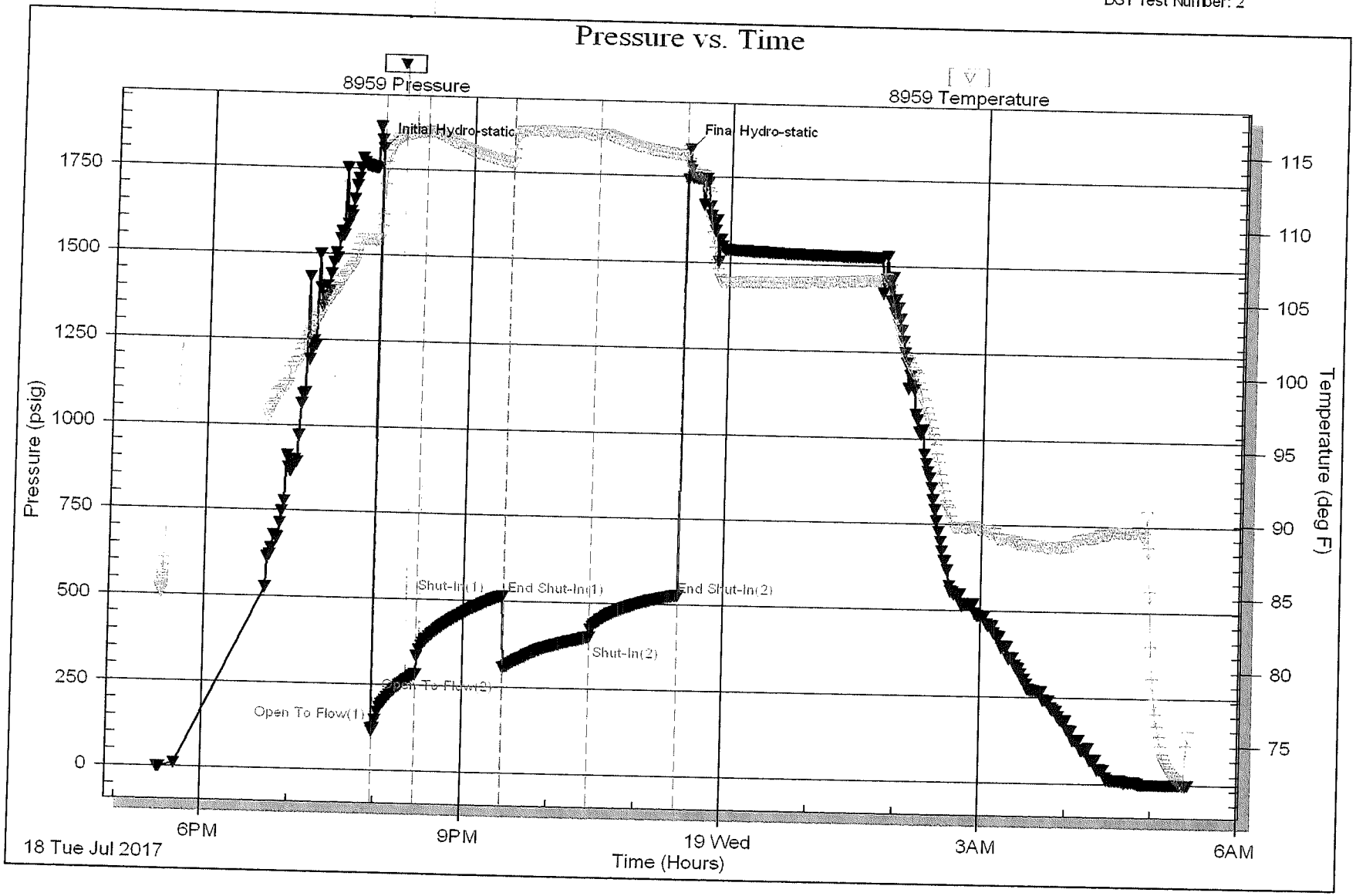
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8959 **Inside** Berexco LLC Patracek #6 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 64198 Printed: 2017.07.20 @ 15:16:49

Serial #: 8959 **Inside** Berexco LLC Patracek #6 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 64197 Printed: 2017.07.19 @ 05:45:51

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601
4/10

Test Ticket

NO. 64199

Well Name & No. Petracek # Test No. 4 Date 7-20-17
Company Petexco LLC Elevation 2680 KB 2672 GL
Address 2030 N. Bramblewood, Wichita, KS 67206
Co. Rep / Geo. Bryan Bynum Rig Petexco LLC
Location: Sec. 7 Twp. 4S. Rge. 27W. Co. Decatur State KS

Interval Tested 3640-3655 Zone Tested LKC "G"
Anchor Length 15 Drill Pipe Run 3120 Mud Wt. 9.0
Top Packer Depth 3635 Drill Collars Run 522 Vis 60
Bottom Packer Depth 3640 Wt. Pipe Run — WL 7.2
Total Depth 3655 Chlorides 2400 ppm System LCM 1#

Blow Description IF: Strong blow built to 2"
ISI: No blow
FF: Strong blow built to 4½"
FSI: No blow

Rec 34	Feet of GCWM	%gas 11	%oil 41	%water 48	%mud
Rec 25	Feet of GO	%gas 100	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 59 BHT 113 Gravity 35 API RW ___ @ ___ °F Chlorides ___ ppm

(A) Initial Hydrostatic 1852
(B) First Initial Flow 18
(C) First Final Flow 32
(D) Initial Shut-In 740
(E) Second Initial Flow 38
(F) Second Final Flow 64
(G) Final Shut-In 737
(H) Final Hydrostatic 1824

Initial Open 30
Initial Shut-In 60
Final Flow 30
Final Shut-In 120

- [x] Test
- [x] Jars
- [x] Safety Joint
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 41 RT
- [ ] Sampler
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total

T-On Location 22:40 7-20-17
T-Started 23:58
T-Open 01:16
T-Pulled 05:16
T-Out 07:51 7-21-17
Comments

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total
Total
MP/DST Disc't

Approved By [signature] Our Representative [signature]

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Berexco LLC
2020 N. Bramblewood
Wichita, KS 67206

ATTN: Bryan Bynog

9 - 4S. - 27 W Decatur Co

Patracek #6

Job Ticket: 64199 **DST#: 4**

Test Start: 2017.07.20 @ 23:58:00

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:15:00
Time Test Ended: 09:50:10

Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82

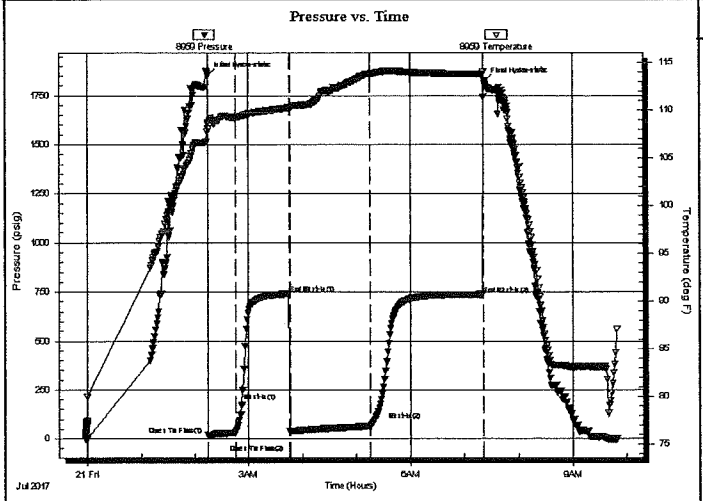
Interval: 3640.00 ft (KB) To 3655.00 ft (KB) (TVD)
Total Depth: 3655.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2680.00 ft (KB)
2672.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8959 **Inside**

Press@RunDepth:	64.32 psig @	3641.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2017.07.20	End Date:	2017.07.21	Last Calib.:	2017.07.21
Start Time:	23:58:00	End Time:	09:50:10	Time On Btm:	2017.07.21 @ 02:14:50
				Time Off Btm:	2017.07.21 @ 07:22:09

TEST COMMENT: 30-IF-S.blow built to 2"
60-ISI-No blow
90-FF-S.blow built to 4 1/2"
120-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1852.30	108.52	Initial Hydro-static
1	18.26	108.07	Open To Flow (1)
31	31.99	109.21	Shut-In(1)
91	739.97	110.20	End Shut-In(1)
92	37.53	110.15	Open To Flow (2)
181	64.32	113.77	Shut-In(2)
306	737.20	113.75	End Shut-In(2)
308	1823.51	112.71	Final Hydro-static

Recovery

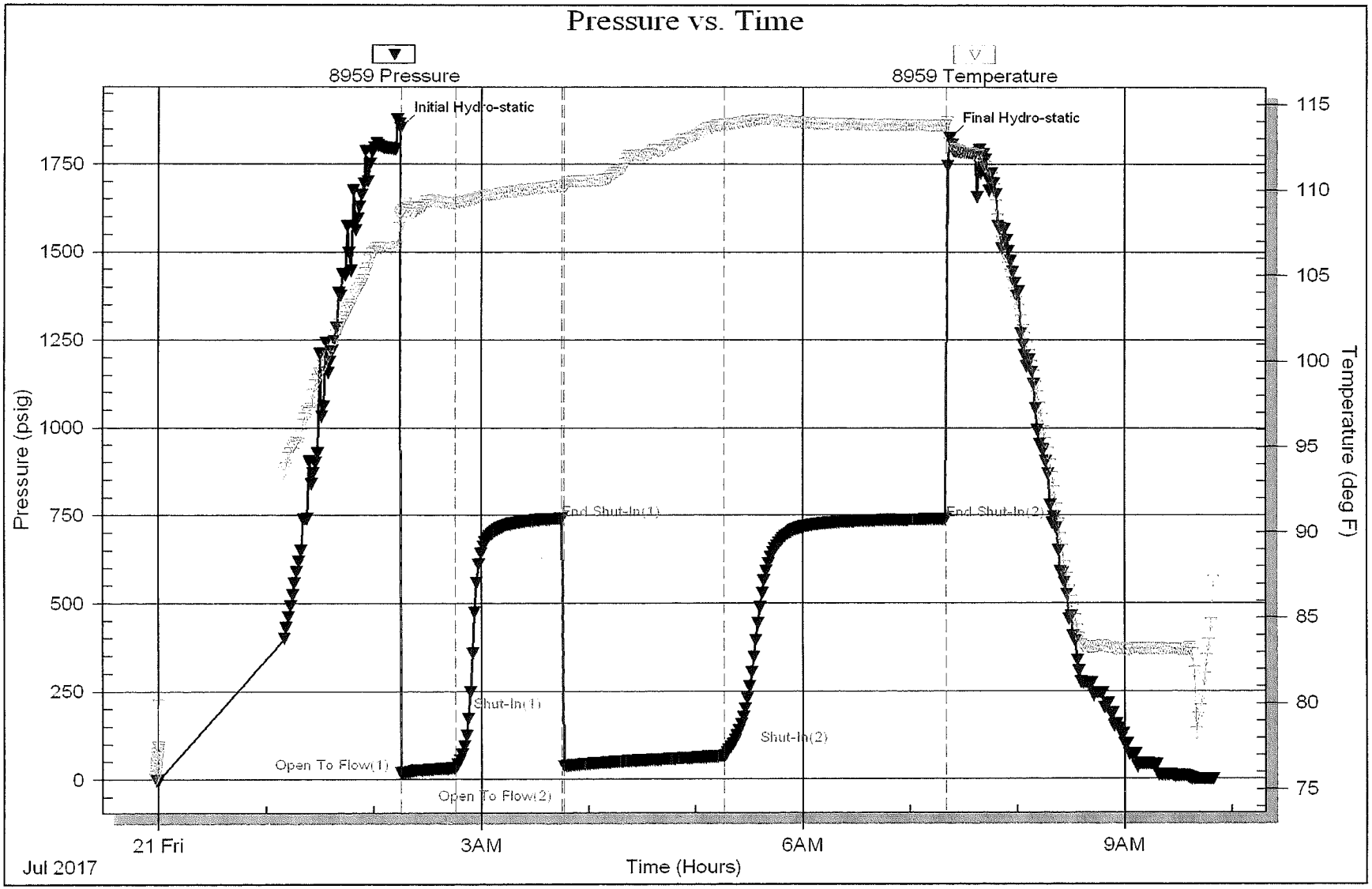
Length (ft)	Description	Volume (bbl)
34.00	OCWM 11%O, 41%W, 48%M	0.17
25.00	CO 100%O	0.12

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8959 **Inside** Berexco LLC Patracek #6 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 64199 Printed: 2017.07.21 @ 10:08:38

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 64200

Well Name & No. Petracek #6 Test No. 5 Date 7-21-17
Company Berexco LLC Elevation 2680 KB 2672 GL
Address 2020 N. Bramblewood, Wichita, KS 67206
Co. Rep / Geo. Bryan Bynog Rig Paradox #2
Location: Sec. 9 Twp. 4.5 Rge. 27W. Co. Decatur State KS

Interval Tested 3654-3725 Zone Tested LKC "H, I, & J"
Anchor Length 71' Drill Pipe Run 2120 Mud Wt. 9.1
Top Packer Depth 3649 Drill Collars Run 522 Vis 55
Bottom Packer Depth 3654 Wt. Pipe Run — WL 7.6
Total Depth 3725 Chlorides 2400 ppm System LCM 2#

Blow Description IF: S. blow built to 3"
ISI: No blow
FF: S. blow built to R.O.B (12 inches) @
FSI: Blow back built to 1/4" + dial @

Rec 75	Feet of #GOCM	13	%gas	27	%oil		%water	60	%mud
Rec 55	Feet of CGO	2	%gas	78	%oil		%water		%mud
Rec 0	Feet of 467' GIP		%gas		%oil		%water		%mud
Rec	Feet of		%gas		%oil		%water		%mud
Rec	Feet of		%gas		%oil		%water		%mud

Rec Total 130 BHT 113 Gravity 37.2 API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1832
(B) First Initial Flow 19
(C) First Final Flow 37
(D) Initial Shut-In 697
(E) Second Initial Flow 38
(F) Second Final Flow 68
(G) Final Shut-In 691
(H) Final Hydrostatic 1814

Initial Open 30
Initial Shut-In 60
Final Flow 90
Final Shut-In 120

☑ Test
☑ Jars
☑ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☑ Mileage 41RT
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total

T-On Location 21:15 7-21-17
T-Started 21:37
T-Open 00:11
T-Pulled 05:11
T-Out 02:51 7-22-17
Comments

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
Sub Total
Total
MP/DST Disc't

Approved By Will E Bynog Our Representative [signature]

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Berexco LLC

2020 N. Bramblewood
Wichita, KS 67206

ATTN: Bryan Bynog

9 - 4S. - 27 W Decatur Co

Patracek #6

Job Ticket: 64200 **DST#: 5**

Test Start: 2017.07.21 @ 21:37:00

GENERAL INFORMATION:

Formation: **LKC "H, I, & J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:11:00
Time Test Ended: 07:50:49

Interval: 3654.00 ft (KB) To 3725.00 ft (KB) (TVD)
Total Depth: 3725.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

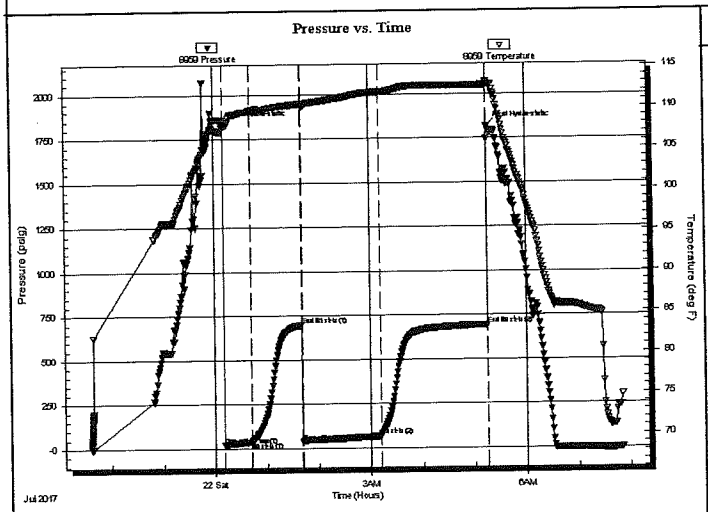
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82

Reference Elevations: 2680.00 ft (KB)
2672.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8959 **Inside**

Press@RunDepth:	67.87 psig @	3655.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2017.07.21	End Date:	2017.07.22	Last Calib.:	2017.07.22
Start Time:	21:37:01	End Time:	07:50:49	Time On Btm:	2017.07.22 @ 00:10:40
				Time Off Btm:	2017.07.22 @ 05:14:39

TEST COMMENT: 30-IF-S.blow built to 3"
60-ISI- No blow
90-FF-S.blow built to B.O.B (12 inches) @ 43mins
120-FSI-Blow back built to 1/4" & died @ 1 hr 22mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.11	108.39	Initial Hydro-static
1	19.45	107.78	Open To Flow (1)
32	36.59	109.62	Shut-In(1)
91	697.48	110.45	End Shut-In(1)
92	37.76	110.19	Open To Flow (2)
181	67.87	111.85	Shut-In(2)
303	691.23	112.64	End Shut-In(2)
304	1813.94	113.08	Final Hydro-static

Recovery

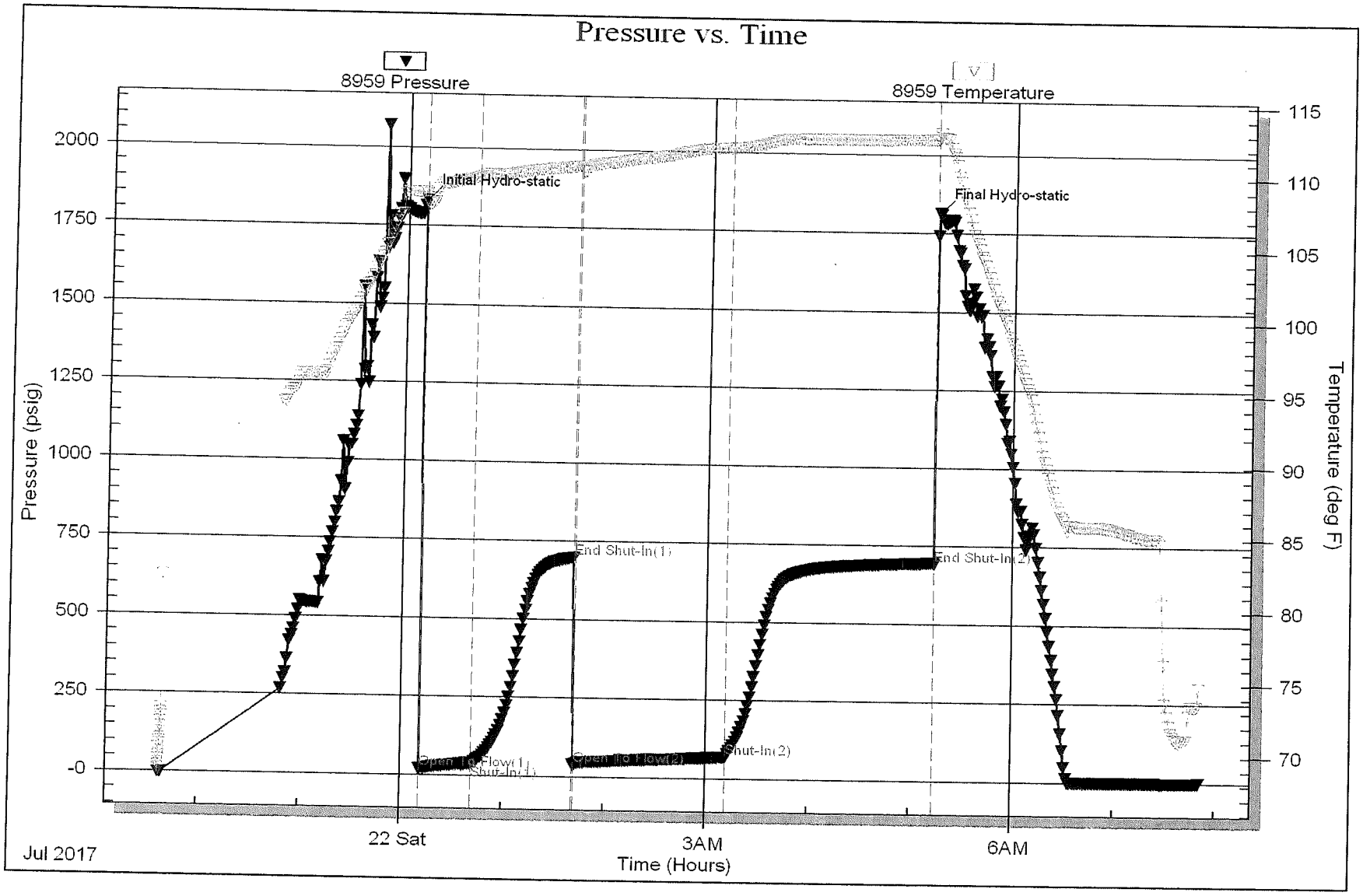
Length (ft)	Description	Volume (bbl)
75.00	HGOCM 13%G, 27%O, 60%M	0.37
55.00	CGO 2%G, 98%O	0.27
0.00	467' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8959 **Inside** Berexco LLC Patracek #6 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 64200 Printed: 2017.07.22 @ 08:04:42

QES PRESSURE PUMPING

8560
8460

JUL 25 2017

TICKET NUMBER 53562
LOCATION Oakley Ks
FOREMAN Jerry Y

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

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #810729

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-13-17	1707	Petracek #6	9	4S	27W	Decatur KS

CUSTOMER: Berexco

MAILING ADDRESS: P.O. Box 723

CITY: Hays | STATE: KS | ZIP CODE: 67601

bmings
2N 10W
3W, 1N
W of Sinto

TRUCK #	DRIVER	TRUCK #	DRIVER
731	Steve O		
460	Seth O		
639			

JOB TYPE: Surface | HOLE SIZE: 12¼ | HOLE DEPTH: 311 | CASING SIZE & WEIGHT: 8 5/8 24#
CASING DEPTH: 310 | DRILL PIPE: | TUBING: | OTHER:
SLURRY WEIGHT: | SLURRY VOL: | WATER gal/sk: | CEMENT LEFT in CASING: 20'
DISPLACEMENT: 18bbl | DISPLACEMENT PSI: | MIX PSI: | RATE:

REMARKS: Safty meeting rig up on Berexco 2 circulate casing mix 225 sks com 3%CC 2% gel flush up displace with 18bbl & shut in cement did circulate

Thank you
Jerry & crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1150.00	1150.00
CE0002	60	MILEAGE	7.15	429.00
CE0710	10.58	ton mileage delivery	1.75	1110.90
CC5871	225 sks	Surface blend II	23.00	5175.00
			Subtotal	7864.90
			-30% disc	2359.47
			Subtotal	5505.43
			SALES TAX	271.69
			ESTIMATED TOTAL	5777.12

Ravin 3737

AUTHORIZTION Mark Stone TITLE Toolpusher DATE

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.

QES
PRESSURE PUMPING

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

0650
8547
Invoice #810829

TICKET NUMBER 53583
LOCATION Oakley KS
FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-24-17	1707	Petracek #6	9	4S	27W	Decature

CUSTOMER: Berexco
MAILING ADDRESS: P.O. Box 723
CITY: Hays | STATE: KS | ZIP CODE: 67601

Jennings KS RN 3W 1N Wint

TRUCK #	DRIVER	TRUCK #	DRIVER
753	Travis W		
566			
530/T-129	Walt D		
703			

JOB TYPE 2 Stage | HOLE SIZE 7 7/8" | HOLE DEPTH 4150' | CASING SIZE & WEIGHT 5.5' 15.5#
CASING DEPTH 3905' | DRILL PIPE | TUBING | OTHER DV @ 2202'
SLURRY WEIGHT 14.2/12.5 | SLURRY VOL 1.42/1.9 | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT 92/53 | DISPLACEMENT PSI 900/700 | max MIX PSI 1600/1500 | RATE

REMARKS: Safety meeting and rig up on Berexco drilling Run 93 Jnts Centralizers on Jnts 1,2,3,4,5,6,7,8,9,10,11,12,13,14,39 Baskets on Jnts 15,39,41 Scratchers 30 no first 15 Jnts Run casing circulate 1 hrs pump mud flush mix 285 sx thixo blend III clear pump + lines displace plug with 40 bls water + 52 bls mud with 900 psi lift plug did land @ 1600 psi dropped Dart open tool with 500 psi circulated 1 hr. Mix 400 sx 60/40 8% gel 1/4# flo seal Shutdown Cleared Pump + lines released plug pumped 53 bls water with 700 psi lift plug land @ 1500 psi released back dried up. Rig down Cement did circulate 20 bls to pit 30 sx RH 20 sx MH
Thanks Miles + Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0453	1	PUMP CHARGE	2800.00	2800.00
CE0002	56	MILEAGE	7.15	393.25
CE0710	32.51 Tons	Ton mileage delivery	1.75	3129.09
CC5831	450 sx	Lite Weight blend VII 60/40 8% gel	17.50	7875.00
CC5862	275 sx	Thixo blend III OWC Cement	26.00	7150.00
CC6075	113 #	flo seal	3.00	339.00
CC6125	13342 500 gal	Mud flush	.65	325.00
CP8254	1	5 1/2" Latchdown plug Assem	400.00	400.00
CP8485	1	5 1/2" Float shoe	585.00	585.00
CP8554	15	5 1/2" Centralizers	81.00	1215.00
CP8629	3	5 1/2" Baskets	385.00	1155.00
CP8676	30	5 1/2" scratchers	75.00	2250.00
CP8801	1	5 1/2" DV Tool	5970.00	5970.00
			Subtotal	33586.34
		less 30% discount		10075.90
			Subtotal	23510.44
			SALES TAX	1431.36
			ESTIMATED TOTAL	24941.80

Ravin 3737

AUTHORIZTION Ed Hanes | TITLE | 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.

PIONEER

Company:	PIONEER
Well:	15/9-19 A
Field:	SLEIPNER
Location:	NORWAY, NORTH SEA, SLEIPNER
Coordinates:	Lat. 58° 22' 12.00" N, Long. 02° 27' 36.00" E
Log Measured From:	23.00 m Above Mean Sea Level
Drilling Measured From:	Rotary Table
Permanent Datum:	Mean Sea Level
Elevation:	Rotary Table: 23.00 m, Mean Sea Level: 0.00 m
Date:	2006-06-14
Run No.:	1
Depth Reference:	Rotary Table
Depth Datum:	Rotary Table
Log Interval:	2000.00 - 3000.00 m
Log Speed:	1800 m/hr
Max. Deviation:	0.00 deg
Max. Temperature:	0.00 degC
Max. Pressure:	0.00 bar
Fluid Type:	Air
Fluid Density:	0.00 g/cm3
Fluid Viscosity:	0.00 cP
Fluid Resistivity:	0.00 ohm.m
Fluid Level:	0.00 m
Logging Engineer:	Ole Hansen
Operator:	Ole Hansen
Witnessed by:	Ole Hansen
Comments:	

PRELIMINARY

THIS DOCUMENT IS NOT INTENDED FOR LEGAL PURPOSES

PRELIMINARY

NO DEPTH CORRECTIONS HAVE BEEN APPLIED

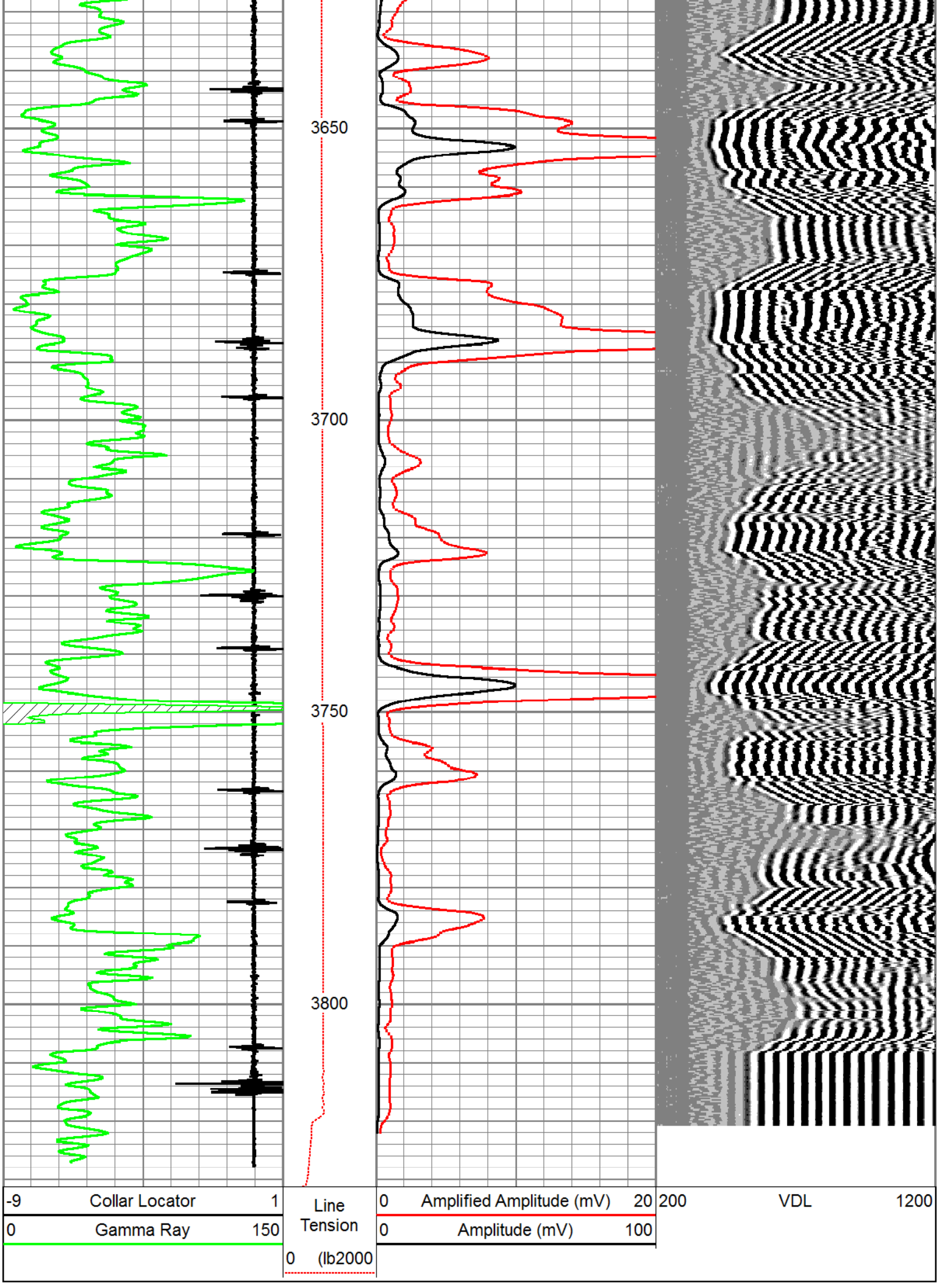
PRELIMINARY

DEPTH REFERENCE

RAMBOX

THIS DOCUMENT IS NOT INTENDED FOR LEGAL PURPOSES

Tool	Serial No.	Length	Weight	Max. Temp.	Max. Pressure
		m	kg	degC	bar
Tool Type: Tool Description					
Tool Type: Tool Description					
Tool Type: Tool Description				



Calibration Report

Database File	berexco_petracek#6_cbl.db
Dataset Pathname	pass2
Dataset Creation	Fri Aug 25 11:00:55 2017

Gamma Ray Calibration Report

Serial Number:	TigerProbe	
Tool Model:	Tiger	
Performed:	Thu Jul 27 13:28:35 2017	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.2400	/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	-3276.804	ft

Master Calibration, performed Mon Aug 07 13:16:37 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.015	2.066	0.700	81.196	39.262	0.099
CAL	-0.003	2.440				
5'	-0.006	2.124	0.700	81.196	37.801	0.918
SUM						
S1	0.017	2.277	0.000	100.000	44.258	-0.765
S2	0.023	2.182	0.000	100.000	46.330	-1.084
S3	0.018	1.958	0.000	100.000	51.542	-0.934
S4	0.015	1.704	0.000	100.000	59.207	-0.886
S5	0.015	1.654	0.000	100.000	61.017	-0.935
S6	0.017	1.857	0.000	100.000	54.350	-0.928
S7	0.013	2.152	0.000	100.000	46.749	-0.603
S8	0.023	2.284	0.000	100.000	44.232	-1.028

Air Zero Calibration, performed Fri Aug 25 10:38:06 2017:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.010	0.000	0.006
5'	0.001	0.000	-0.007
SUM			
S1	0.005	0.000	0.013
S2	0.007	0.000	0.016
S3	0.007	0.000	0.011
S4	0.007	0.000	0.008
S5	0.007	0.000	0.008
S6	0.009	0.000	0.008
S7	0.010	0.000	0.003
S8	0.008	0.000	0.015

PIONEER
Pioneer Energy Services

Company	BEREXCO, LLC
Well	PETRACEK NO.6
Field	PETRACEK
County	DECATUR
State	KANSAS