



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1234069
OIL & GAS CONSERVATION DIVISION

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 # _____

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 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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1234069

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 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				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	BLANKENSHIP 3-2
Doc ID	1234069

Tops

Name	Top	Datum
ANHYDRITE	926	+1031
HEEBNER	3182	-1225
TORONTO	3196	-1239
DOUGLAS	3209	-1252
BROWN LIME	3258	-1301
LANSING	3266	-1309
BASE KANSAS CITY	3480	-1523
CONGLOMERATE	3494	-1537
ARBUCKLE	3549	-1592

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	BLANKENSHIP 3-2
Doc ID	1234069

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	24	955	A-CONN	200	3%CC, 1/4#Cellof lake
SURFACE	12.25	8.625	24	955	COMMON	200	2%CC, 1/4#CF
PRODUC TION	7.875	5.5	15.5	3655	COMMON	150	18% Salt
RATHOLE	7.875	5.5	15.5	3655	40/60 POZMIX	30	



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: Blaship#3-2Dst#1

TIME ON: 8:14
 TIME OFF: 14:31

Company L.D. Drilling Lease & Well No. Blakenship #3-2
 Contractor Petromark Rig 2 Charge to L.D. Drilling
 Elevation 1951 Formation Upper Lans. Effective Pay -- Ft. Ticket No. S0506
 Date 9-29-14 Sec. 2 Twp. 19 S Range 15 W County Barton State KANSAS
 Test Approved By Jim Musgrove Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3270 ft. to 3320 ft. Total Depth 3320 ft.

Packer Depth 3265 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3270 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3258 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3306 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 48 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 10 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 6800 P.P.M. Drill Pipe Length 3121 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number na Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out No Anchor Length 50(18.5a) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: 1/4" Blow-Built to BOB in 12mins WSBB

2nd Open: 2" Blow-Built to BOB in 3 1/2mins 3/4" BB

Recovered 441 ft. of GIP

Recovered 40 ft. of SLG&WCMCO 10% G 49% O 13% W 28% M

Recovered 123 ft. of SLW&MCHOEG 40% G 30% O 13% W 17% M

Recovered 163 ft. of TOTAL FLUID

Recovered _____ ft. of _____ Price Job

Recovered _____ ft. of PH: 7 RW: .24 @ 84 degrees F Other Charges

Remarks: CHLORIDES: 24,000 ppm Insurance

TOOL SAMPLE: 82% O 13% W 5% M

Recovered _____ ft. of _____ Total

Time Set Packer(s) 10:04AM ^{A.M.}/_{P.M.} Time Started Off Bottom 1:04PM ^{A.M.}/_{P.M.} Maximum Temperature 108

Initial Hydrostatic Pressure..... (A) 1537 P.S.I.

Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 48 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1001 P.S.I.

Final Flow Period..... Minutes 45 (E) 43 P.S.I. to (F) 69 P.S.I.

Final Closed In Period..... Minutes 60 (G) 997 P.S.I.

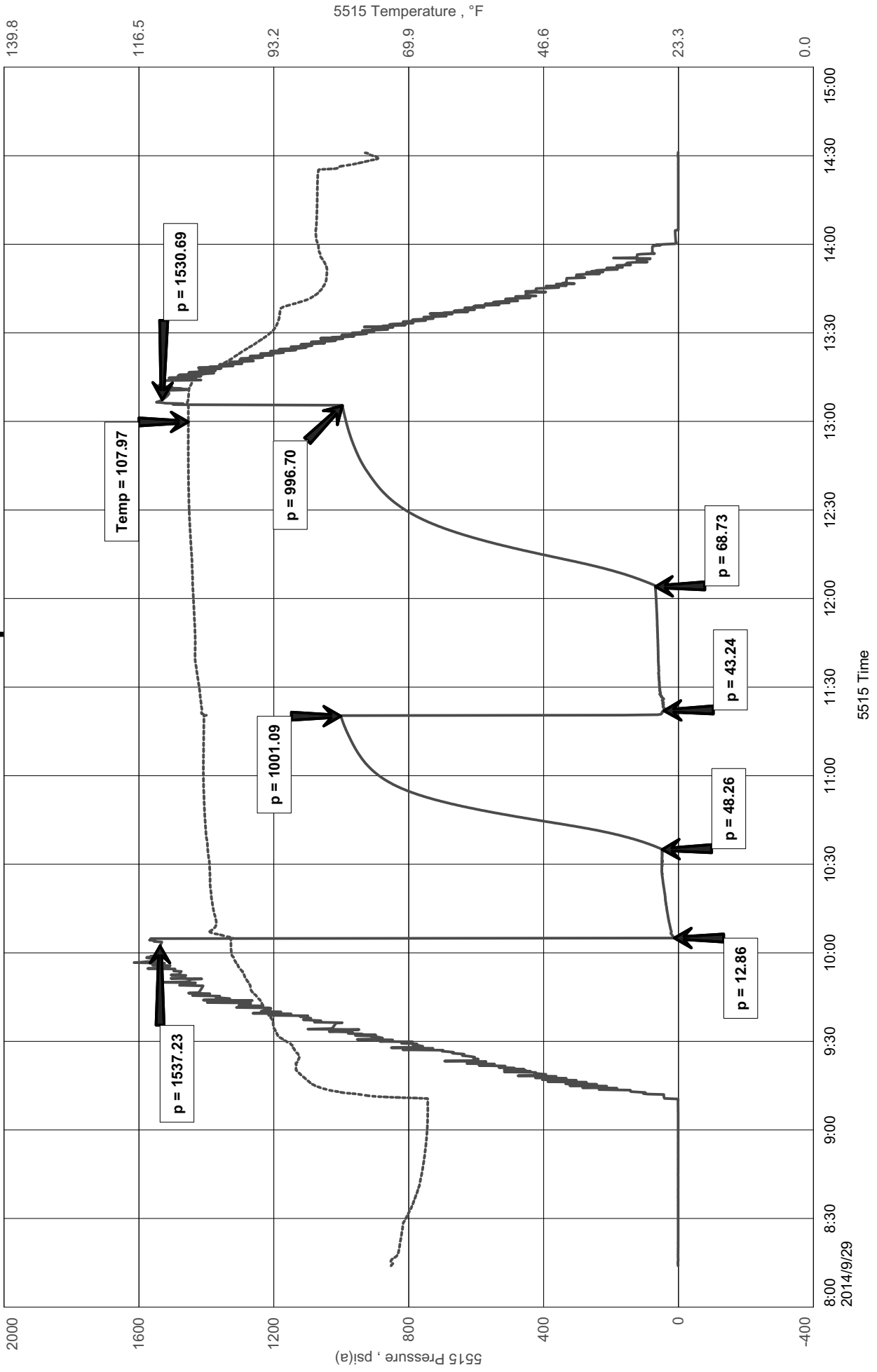
Final Hydrostatic Pressure..... (H) 1531 P.S.I.

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L.D. Drilling
 Dst #1 Upper Lans. 3270-3320'
 Start Test Date: 2014/09/29
 Final Test Date: 2014/09/29

Blankenship #3-2
 Formation: Dst #1 Upper Lans. 3270-3320'
 Pool: Infield
 Job Number: S0506

Blankenship #3-2



Diamond Testing LLC

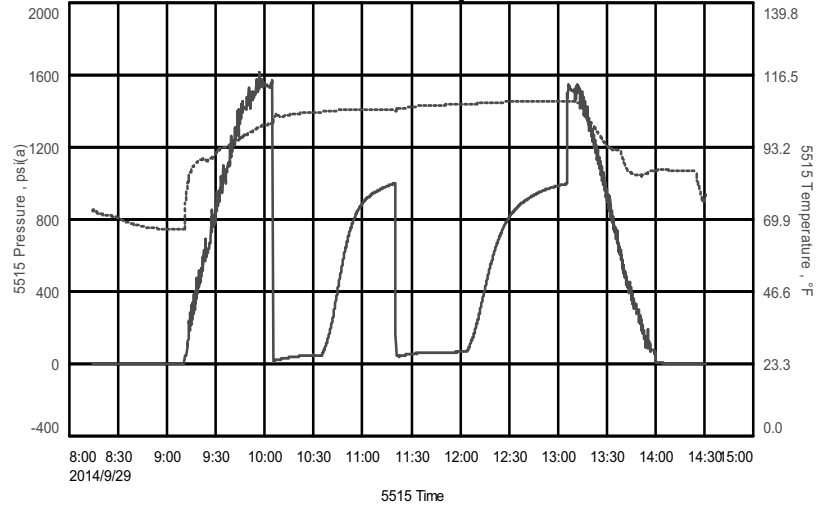
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name L.D. Drilling
Contact L.D. Davis
Well Name Blankenship #3-2
Unique Well ID Dst #1 Upper Lans. 3270-3320'
Surface Location Sec2-19s-15w Barton County
Field Otis-Albert
Well Type Vertical
Test Type Drill Stem Test
Formation Dst #1 Upper Lans. 3270-3320'
Well Fluid Type 01 Oil
Start Test Date 2014/09/29
Start Test Time 08:14:00
Final Test Date 2014/09/29
Final Test Time 14:31:00
Job Number S0506
Representative Michael Carroll
Report Date 2014/09/29
Qualified By Jim Musgrove

Blankenship #3-2



Test Results

RECOVERY:

441'	GIP				
40'	SLG&WCMCO	10% G	49% O	13% W	28% M
123'	SLW&MCHOCCG	40% G	30% O	13% W	17% M
163'	TOTAL FLUID				

PH: 7

RW: .24 @ 84 degrees F

Chlorides: 24,000 ppm

TOOL SAMPLE:

82% O 13% W 5% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Blaship#3-2Dst#2

TIME ON: 04:05
TIME OFF: 09:24

Company L.D. Drilling Lease & Well No. Blakenship #3-2
Contractor Petromark Rig 2 Charge to L.D. Drilling
Elevation 1951 Formation Lower Lans. Effective Pay -- Ft. Ticket No. S0507
Date 9-30-14 Sec. 2 Twp. 19 S Range 15 W County Barton State KANSAS
Test Approved By Jim Musgrove Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3391 ft. to 3475 ft. Total Depth 3475 ft.

Packer Depth 3386 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3391 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3379 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3459 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 48 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 10 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 6800 P.P.M. Drill Pipe Length 3242 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number na Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out No Anchor Length 84(21a) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: 1/4" Blow-Died in 20mins **NOBB**

2nd Open: No Blow-No Build **NOBB**

Recovered 5 ft. of Mud 100%m

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% Mud

Price Job _____

Other Charges _____

Insurance _____

Total _____

Time Set Packer(s) 5:48AM ^{A.M.}/_{P.M.} Time Started Off Bottom 7:48AM ^{A.M.}/_{P.M.} Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1600 P.S.I.

Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 14 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 60 P.S.I.

Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 15 P.S.I.

Final Closed In Period..... Minutes 30 (G) 40 P.S.I.

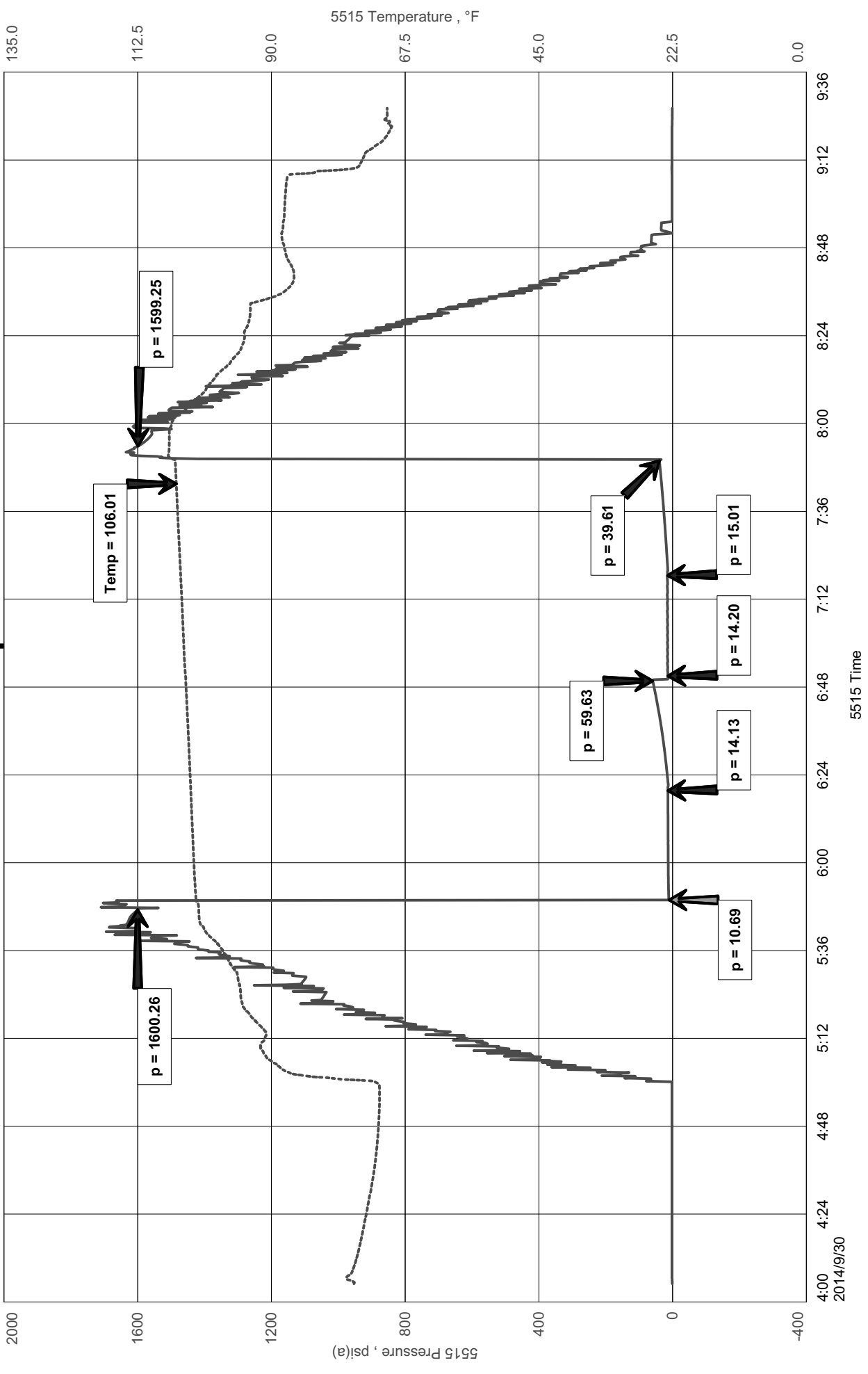
Final Hydrostatic Pressure..... (H) 1599 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

L.D. Drilling
 Dst #2 Lower Lans. 3391-3475'
 Start Test Date: 2014/09/30
 Final Test Date: 2014/09/30

Blakenship #3-2
 Formation: Dst #2 Lower Lans. 3391-3475'
 Pool: Infield
 Job Number: S0507

Blakenship #3-2



Diamond Testing LLC

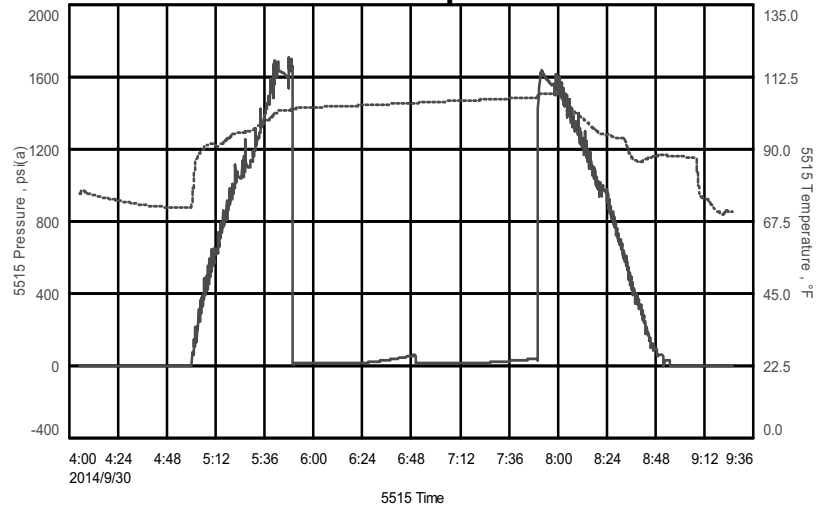
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name L.D. Drilling
Contact L.D. Davis
Well Name Blakenship #3-2
Unique Well ID Dst #2 Lower Lans. 3391-3475'
Surface Location Sec2-19s-15w Barton County
Field Otis-Albert
Well Type Vertical
Test Type Drill Stem Test
Formation Dst #2 Lower Lans. 3391-3475'
Well Fluid Type 01 Oil
Start Test Date 2014/09/30
Start Test Time 04:05:00
Final Test Date 2014/09/30
Final Test Time 09:24:00
Job Number S0507
Representative Michael Carroll
Report Date 2014/09/30
Qualified By Jim Musgrove

Blakenship #3-2



Test Results

Recovery: 5' Mud 100% mud

Tool Sample: 100% m



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Blaship#3-2Dst#3

TIME ON: 00:30
TIME OFF: 05:58

Company L.D. Drilling Lease & Well No. Blakenship #3-2
Contractor Petromark Rig 2 Charge to L.D. Drilling
Elevation 1951 Formation Arbuckle Effective Pay -- Ft. Ticket No. S0508
Date 10-01-14 Sec. 2 Twp. 19 S Range 15 W County Barton State KANSAS
Test Approved By Kurt Talbott Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3470 ft. to 3560 ft. Total Depth 3560 ft.
Packer Depth 3465 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Packer Depth 3470 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3458 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3538 ft. Recorder Number 5586 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 62 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.
Chlorides 7100 P.P.M. Drill Pipe Length 3321 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number na Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out No Anchor Length 90(27a) ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/2" Blow- Built to 9" in 30 min **NOBB**
2nd Open: 2" Blow- Built to BOB in 14 min **NOBB**

Recovered 160 ft. of GIP
Recovered 30 ft. of OSM 1% O 99% M
Recovered 62 ft. of SLOCM 8% O 92% M
Recovered 92 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOOL SAMPLE: 10% O 90% M</u>	Insurance
	Total

Time Set Packer(s) 2:24 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 4:24 AM ^{A.M.}/_{P.M.} Maximum Temperature 107

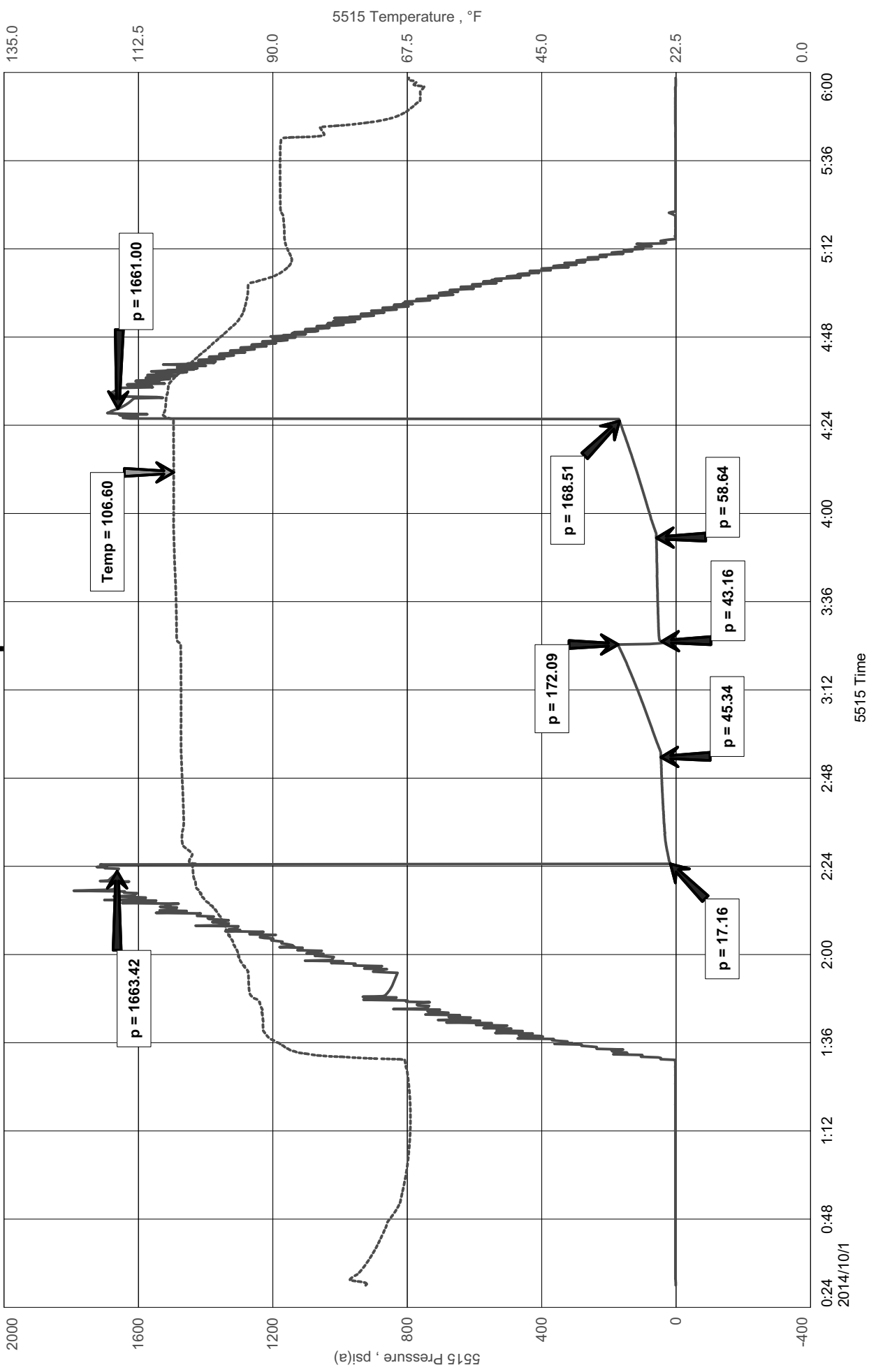
Initial Hydrostatic Pressure..... (A) 1663 P.S.I.
Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 45 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 172 P.S.I.
Final Flow Period..... Minutes 30 (E) 43 P.S.I. to (F) 59 P.S.I.
Final Closed In Period..... Minutes 30 (G) 169 P.S.I.
Final Hydrostatic Pressure..... (H) 1661 P.S.I.

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L.D. Drilling
Dst #3 Arbuckle 3470-3560'
Start Test Date: 2014/10/01
Final Test Date: 2014/10/01

Blakenship #3-2
Formation: Dst #3 Arbuckle 3470-3560'
Pool: Infield
Job Number: S0508

Blakenship #3-2



Diamond Testing LLC

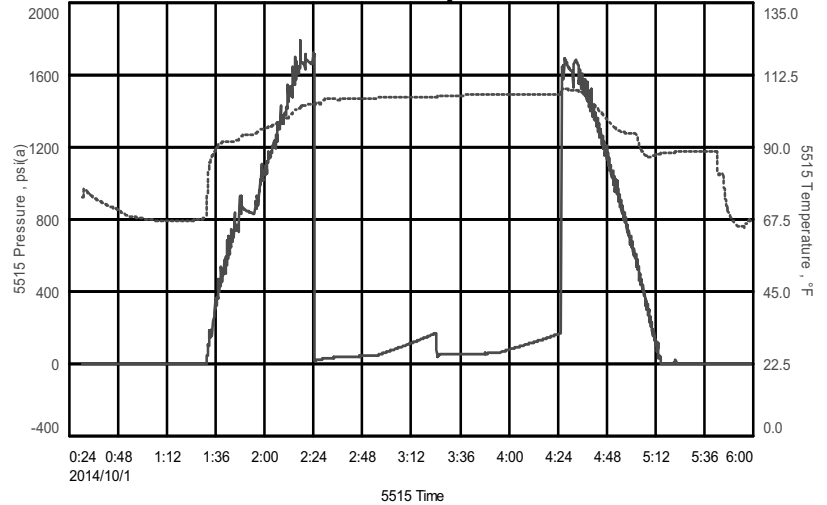
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name L.D. Drilling
Contact L.D. Davis
Well Name Blakenship #3-2
Unique Well ID Dst #3 Arbuckle 3470-3560'
Surface Location Sec2-19s-15w
Field Otis-Albert
Well Type Vertical
Test Type Drill Stem Test
Formation Dst #3 Arbuckle 3470-3560'
Well Fluid Type 01 Oil
Start Test Date 2014/10/01
Start Test Time 00:30:00
Final Test Date 2014/10/01
Final Test Time 05:58:00
Job Number S0508
Representative Michael Carroll
Report Date 2014/10/01
Qualified By Kurt Talbott

Blakenship #3-2



Test Results

RECOVERY:

160'	GIP	
30'	OSM	1% O 99% M
62'	SLOCM	8% O 92% M
92'	TOTAL FLUID	

TOOL SAMPLE:

10% O 90% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Blaship#3-2Dst#4

TIME ON: 13:41
TIME OFF: 20:30

Company L.D. Drilling Lease & Well No. Blakenship #3-2
Contractor Petromark Rig 2 Charge to L.D. Drilling
Elevation 1951 Formation Arbuckle Effective Pay -- Ft. Ticket No. S0509
Date 10-01-14 Sec. 2 Twp. 19 S Range 15 W County Barton State KANSAS
Test Approved By Kurt Talbott Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 3470 ft. to 3571 ft. Total Depth 3571 ft.

Packer Depth 3465 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3470 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3458 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3538 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 76 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 12.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 9000 P.P.M. Drill Pipe Length 3384 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number na Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out No Anchor Length 101(38a) ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1" Blow-Built to 6" **NOBB**

2nd Open: 1" Blow-Built to BOB in 55mins **NOBB**

Recovered 209 ft. of GIP

Recovered 40 ft. of OSM 1% O 99% M

Recovered 63 ft. of SLOCM 8% O 92% M

Recovered 103 ft. of TOTAL FLUID

Recovered _____ ft. of _____ Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: _____ Insurance _____

TOOL SAMPLE: 15% O 85% M

Recovered _____ ft. of _____ Total _____

Time Set Packer(s) 3:55PM A.M. P.M. Time Started Off Bottom 6:55PM A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1673 P.S.I.

Initial Flow Period..... Minutes 30 (B) 22 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 134 P.S.I.

Final Flow Period..... Minutes 60 (E) 46 P.S.I. to (F) 62 P.S.I.

Final Closed In Period..... Minutes 60 (G) 224 P.S.I.

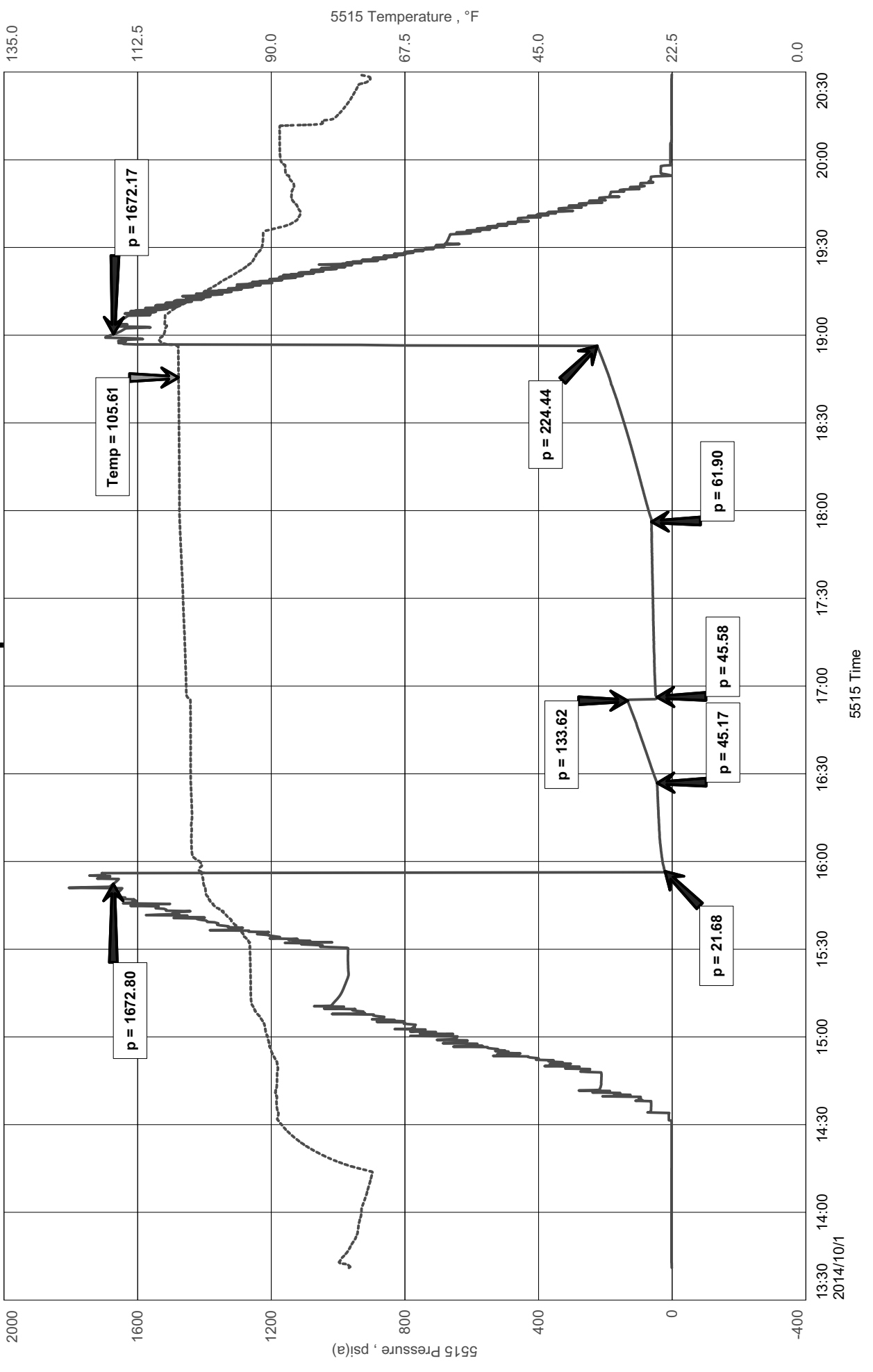
Final Hydrostatic Pressure..... (H) 1672 P.S.I.

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Blakenship #3-2
 Formation: Dst #4 Arbuckle 3470-3571'
 Pool: Infield
 Job Number: S0509

L.D. Drilling
 Dst #4 Arbuckle 3470-3571'
 Start Test Date: 2014/10/01
 Final Test Date: 2014/10/01

Blakenship #3-2



Diamond Testing LLC

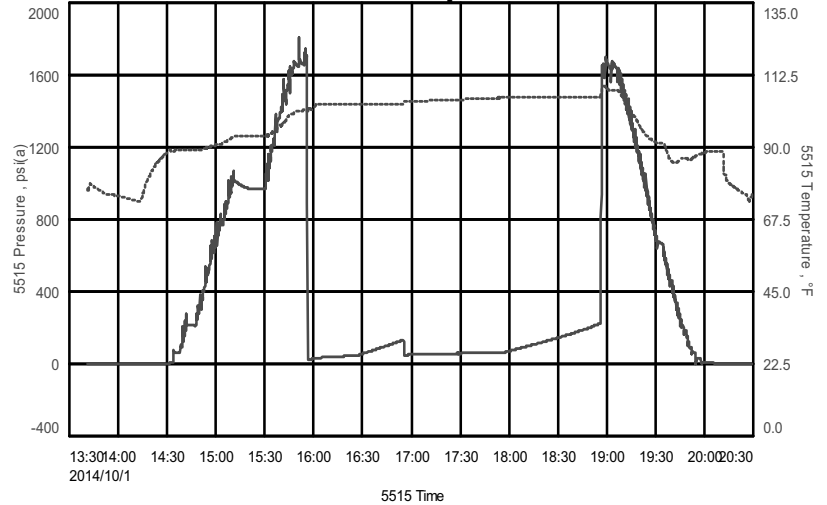
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name L.D. Drilling
Contact L.D. Davis
Well Name Blakenship #3-2
Unique Well ID Dst #4 Arbuckle 3470-3571'
Surface Location Sec2-19-15 Barton County
Field Otis-Albert
Well Type Vertical
Test Type Drill Stem Test
Formation Dst #4 Arbuckle 3470-3571'
Well Fluid Type 01 Oil
Start Test Date 2014/10/01
Start Test Time 13:41:00
Final Test Date 2014/10/01
Final Test Time 20:30:00
Job Number S0509
Representative Michael Carroll
Report Date 2014/10/01
Qualified By Kurt Talbott

Blakenship #3-2



Test Results

RECOVERY:

209'	GIP	
40'	OSM	1% O 99% M
63'	SLOCM	8% O 92% M
103'	TOTAL FLUID	

TOOL SAMPLE:

15% O 85% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Blaship#3-2Dst#5

TIME ON: 04:56
TIME OFF: 11:52

Company L.D. Drilling Lease & Well No. Blakenship #3-2
Contractor Petromark Rig 2 Charge to L.D. Drilling
Elevation 1951EST Formation Arbuckle Effective Pay -- Ft. Ticket No. S0510
Date 10-02-14 Sec. 2 Twp. 19 S Range 15 W County Barton State KANSAS
Test Approved By Kurt Talbott Diamond Representative Jacob McCallie

Formation Test No. 5 Interval Tested from 3468 ft. to 3582 ft. Total Depth 3582 ft.

Packer Depth 3463 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3468 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3456 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3567 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 76 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 12.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 9000 P.P.M. Drill Pipe Length 3319 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number na Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out No Anchor Length 114(19.5a) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: 1" Blow-Built to BOB in 11 Mins NOBB

2nd Open: 1" Blow-Built to BOB in 11 1/4mins 2 1/4 BB

Recovered 229 ft. of GIP

Recovered 83 ft. of SLOCWCM 5% O 12%W 83% M

Recovered 315 ft. of SLOCHWCM 5% O 35% W 60%M

Recovered 187 ft. of SLOCMCW 5% O 70% W 25% M

Recovered 585 ft. of TOTAL FLUID

Recovered _____ ft. of PH: 7 RW: .25 @ 55 degrees F

Remarks: CHLORIDES: 35,000 ppm

TOOL SAMPLE: 10% O 86% W 4% M

Time Set Packer(s) 6:44A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 9:44A.M. ^{A.M.}/_{P.M.} Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 1654 P.S.I.

Initial Flow Period..... Minutes 30 (B) 25 P.S.I. to (C) 152 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1072 P.S.I.

Final Flow Period..... Minutes 45 (E) 159 P.S.I. to (F) 276 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1070 P.S.I.

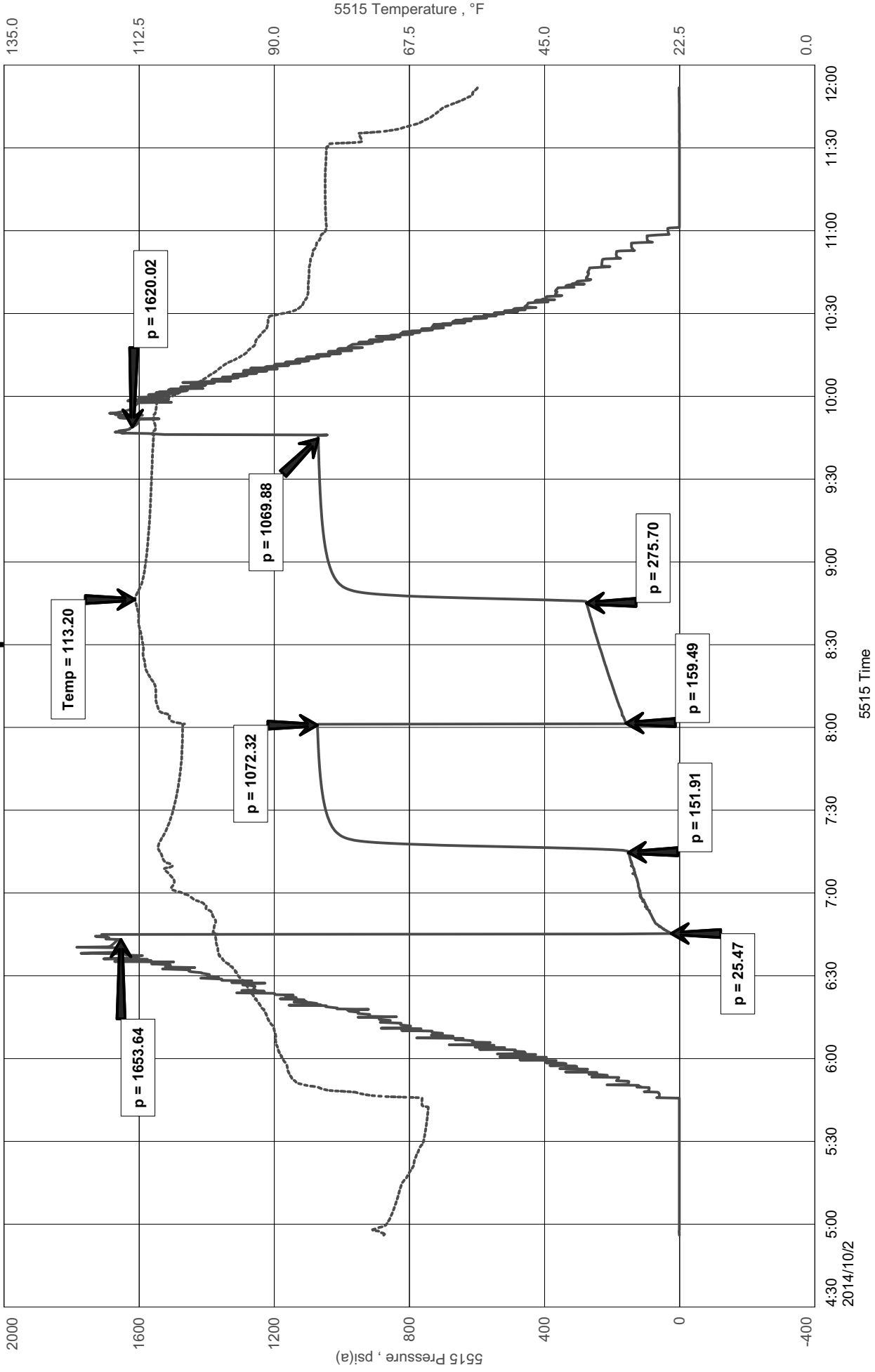
Final Hydrostatic Pressure..... (H) 1620 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

L.D. Drilling
Dst #5 Arbuckle 3468-3582'
Start Test Date: 2014/10/02
Final Test Date: 2014/10/02

Blakenship #3-2
Formation: Dst #5 Arbuckle 3468-3582'
Pool: Infield
Job Number: S0510

Blakenship #3-2



Diamond Testing LLC

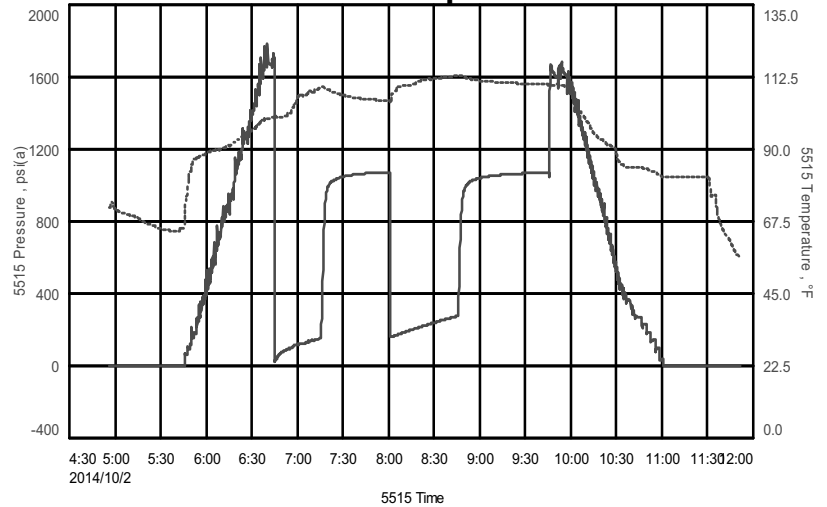
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name L.D. Drilling
Contact L.D. Davis
Well Name Blakenship #3-2
Unique Well ID Dst #5 Arbuckle 3468-3582'
Surface Location Sec2-19s-15w Barton County
Field Otis-Albert
Well Type Vertical
Test Type Drill Stem Test
Formation Dst #5 Arbuckle 3468-3582'
Well Fluid Type 06 Water
Start Test Date 2014/10/02
Start Test Time 04:56:00
Final Test Date 2014/10/02
Final Test Time 11:52:00
Job Number S0510
Representative Michael Carroll
Report Date 2014/10/02
Qualified By Kurt Talbott

Blakenship #3-2



Test Results

Recovery:

229'	GIP			
83'	SLOCWCM	5% O	12% W	83% M
315'	SLOCHMCW	5% O	35% W	60% M
187'	SLOCMCW	5% O	70% W	25% M
585'	TOTAL FLUID			

PH: 7

RW: .25 @ 55 degrees F

Chlorides: 35,000 ppm

TOOL SAMPLE:

10% O 86% W 4% M



Musgrove
 Petroleum Geology
 212 Main Street, Claflin KS

Geologist's Report

Company: LD Drilling Inc
 Lease: Blankenship #3-2
 Field: Otis-Albert
 Surface Location: C-SE/4 (1320' FSL & 1320' FEL)
 Sec: 2 Twp: 19S Rge: 15W
 County: Barton State: Kansas
 GL: 1952' KB: 1957'

Contractor: Petromark Drilling Rig #4
 Spud: 9/24/14 Comp: 10/3/14
 RTD: 3660' LTD: 3658'
 Mud Up: +/- 3100' Mud Type: Chemical Displaced

Drilling Time Kept From: 3100' to RTD
 Samples Saved From: 3100' to RTD
 Samples Examined: 3100' to RTD
 Geological Supervision: 3250' to RTD
 Geologist on Well: Jim Musgorbe Kurt Talbott

Surface Casing: 8 5/8" @ 225'
 Production Casing: 5 1/2" @

Wireline Logs: Nabors: CNL/CDL, DIL, MEL

Well Comparison

FORMATION	WELL BEING DRILLED		OFFSET	
	LD	LD SS	LD	SS
ANHYDRITE	926	1031	921	1028
BASE ANHYDRITE				
HEEBNER	3182	-1225	3173	-1224
TORONTO	3196	-1239		
DOUGLAS	3209	-1252		
BROWN LIME	3258	-1301	3251	-1302
LANSING	3266	-1309	3258	-1309
BASE KC	3480	-1523	3466	-1517
CONGLOMERATE	3494	-1537		
ARBUCKLE	3549	-1592	3540	-1591
TOTAL DEPTH	3658	-1701	3551	-1602

Spot Location



ROCK TYPES

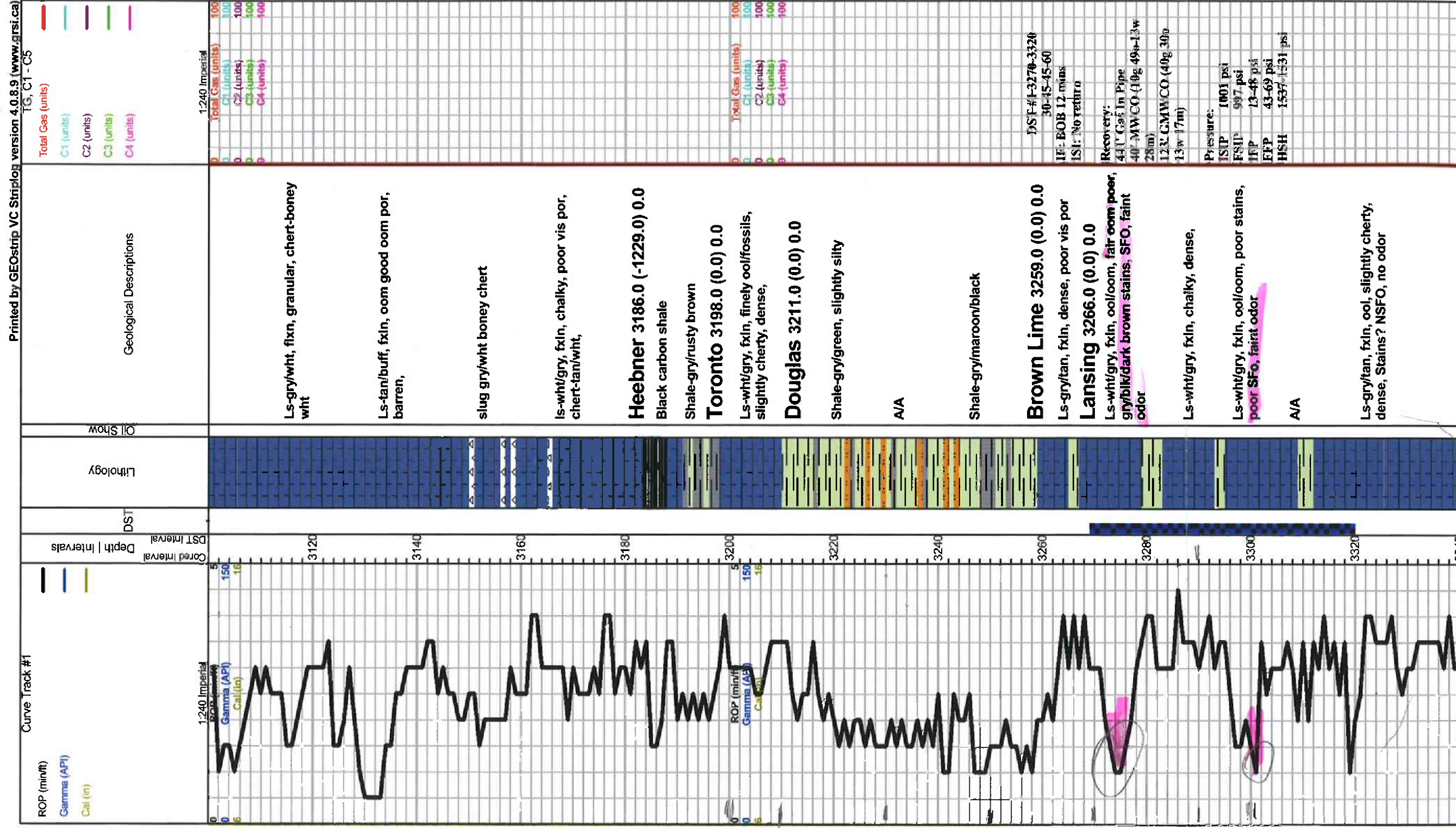
- ▲▲▲ Cht
- ▲▲▲ Chtcong
- ▲▲▲ Dolprim
- Lmst fw<7 shale, gm shale, gry
- Carbon Sh
- Shcol
- Ss
- Silst

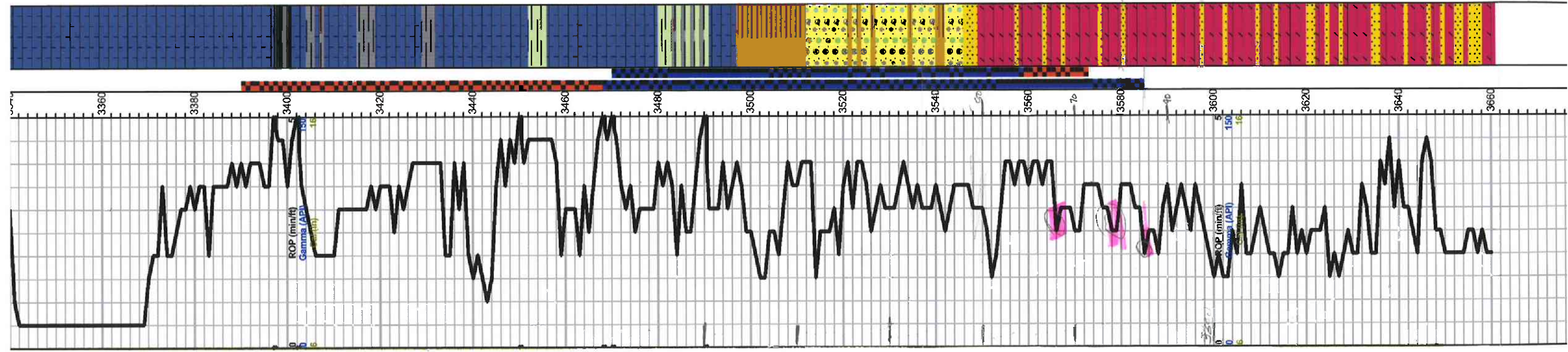
OTHER SYMBOLS

- EVENTS**
- ▲ Casing Shoe
 - ▶ RTF
 - ▶ Sidewall
 - ▶ Left Casing Shoe
 - ▶ Right Casing Shoe

- INTERVALS**
- Core
 - DST

- DST**
- DST Int
 - DST alt





Ls-wh/gy, ool/oom fair oom por, No vis shows, no odor, slightly chalky
 A/A fair to good oom por, no vis shows, no odor, chalky
 Ls-tan/brwn, fxln, slightly cherty, poor vis por, dense,
 Shale-gray/blk
 Ls-ry, ool, sub oom por, chalky, cherty in part, no vis shows,
 Ls-wh/gy, fxln, ool/fossils, slightly cherty
 poor vis por, stains?, NSFO, faint odor,
 Ls-ry/wht, fxln, oom, chalky, poorly developed oom por, trace poor stains, NSOF, no odor
 A/A
 Ls-wht, ool, chalky, trace brown stains, TRSFO, no odor
 Ls-wht/crm, fxln, ool, oom por, dark brown stains, TRSFO, no odor, chalky
Base KC 3482.0 (0.0) 0.0
 Shale-ry/maroon/gm
Conglomerate 3498.0 (0.0) 0.0
 Shale- A/A, cherty varying color
 Ls- wh/tan, fxln, dense, poro vis por,
 Shale- red/brwn soft,
 Chert-orange/yellow, ool
 A/A Shale-ry/maroon, Trace sand grains,
Arbuckle 3550.0 (0.0) 0.0
 Dol- wh/crm, fine to few med xln, poor ine xln por, golden brown stains, SFO, good odor, slightly sandy
 Dol-wht/crm, sandy in part, poor to fair iner xln por, golden brown stains, SFO, fair odor
 Dol-wh/rl, fine xln, sandy in part, qtz granulars, poor iner xln por, scattered dark brown stains, TRSFO, weak odor
 Dol-wht/tan, sandy, poor to fair iner xln por, scattered stains, NSFO, faint odor
 Dol- A/A sandy
 Sandy Dolomite/Dolomitic Sand, fair iner xln/iner gran por, Scattered black stains, NSFO, no odor
 A/A
 Dol- wh/crm, sandy, poor to fair iner xln por por, no vis shows, no odor, chert-crm/boney wht
Total Depth 3660.0 (0.0) 0.0

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

DST #2 3391-3475
30-30-30-30
IF: Dead in 24 Min

Recovery:
5' Mud

ISIP	60 psi
FSIP	40 psi
IFP	11-14 psi
FFP	14-15 psi
HSH	1600-1599 psi

DST #3 3470-3560
30-30-30-30
IF: Built to 9"

Recovery:
160' Gas In Pipe
30' VSOCM (to 99m)
62' SLOCM (to 92m)

ISIP	172 psi
FSIP	169 psi
IFP	17-45 psi
FFP	43-59 psi
HSH	1663-1661 psi

DST #4 3470-3571
30-30-60-60
IF: Built to 6"

Recovery:
209' Gas In Pipe
40' VSOCM (to 99m)
63' SLOCM (to 92m)

ISIP	134 psi
FSIP	224 psi
IFP	22-45 psi
FFP	48-62 psi
HSH	1673-1672 psi

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

DST #5 3468-3582
30-45-45-60
IF: ROB 1 L runs

Recovery: 229' Gas In Pipe
83' SLOCM (56-12w 83m)
315' SLOCM (50-35w 60m)
187' SLOCM (50-70w 25m)

ISIP	1972 psi
FSIP	1070 psi
IFP	25-152 psi
FFP	159-276 psi
HSH	1654-1620 psi



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 11482 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>10-03-14</u> DISTRICT <u>Pratt</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>L.D. Dailey</u>		LEASE <u>PLANKENSHIP</u> 3-2		WELL NO.					
ADDRESS		COUNTY <u>BARTON</u>		STATE <u>KS</u>					
CITY STATE		SERVICE CREW <u>Sullivan, Ewing, Pyle</u>							
AUTHORIZED BY		JOB TYPE: <u>CPW 5 1/2s</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>77686-19905</u>	<u>45</u>						<u>10-3-14</u>	AM	<u>6:30</u>
<u>19960-21010</u>	<u>45</u>							PM	<u>10:25</u>
<u>37900</u>								AM	<u>1:15</u>
								PM	<u>2:00</u>
								AM	<u>2:30</u>
								PM	<u>6:5</u>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100 c	compound cement	sk	150		2,400 00
CP 103	60/70 port cement	sk	30		360 00
CC 111	SALT	lb	625		337 50
CC 130	C-51	lb	29		725 00
CC 201	Gelsolve	lb	750		502 50
CF 601	Latch down Waga Profile 5 1/2	SA	1		850 00
CF 1251	Red Tilt Shoe	SA	1		360 00
CF 1651	Turbidometer	SA	8		880 00
CP 1901	BASKET	SA	1		290 00
CF 2001	CMT gradient cable type 1	SA	6		450 00
CC 151	MUD FLUX	gal	1,000		1,500 00
E 100	gelsolve	lb	65		270 25
E 101	Hydrate Inhibitor	lb	130		910 00
E 113	Pratt Gelox	lb	553		1,215 50
CF 204	Depth gauge	SA	1		2,160 00
CF 210	Blender mixer	SK	100		253 00
CF 504	Hydrocarbon Separator	SA	1		250 00
S 003	Service Supervisor	SA	1		175 00

SUB TOTAL 10,698.19

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Dave Roach
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

Customer <i>L.D. Drilling</i>	Lease No.	Date <i>10-03-14</i>	
Lease <i>BLANKED SHIT</i>	Well # <i>32</i>		
Field Order # <i>11482</i>	Station <i>PR 44 KS</i>	Casing <i>5 1/2</i>	Depth <i>3655</i>
Type Job <i>CNW 5 1/2 LS</i>	Formation	County <i>BARTON</i>	State <i>KS</i>
		Legal Description <i>2-19-15</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5 1/2</i>				Pre Pad	Max		5 Min.	
Depth <i>3655</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>810 1/2</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>2000</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>PC</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>3041</i>	Packer Depth	From	To					

Customer Representative <i>1</i>	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Sullivan</i>
-------------------------------------	--------------------------------------	-----------------------------------

Service Units <i>37900</i>	<i>27686</i>	<i>19905</i>	<i>19940</i>	<i>21010</i>				
Driver Names <i>Sullivan</i>	<i>ESCIDO</i>	<i>Phye</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:15</i>					<i>run log</i>
					<i>Run 5 1/2 csg.</i>
<i>12:10</i>					<i>CASING ON BOTTOM</i>
<i>12:20</i>					<i>Hook up circ csg</i>
<i>1:15</i>			<i>5</i>	<i>3.5</i>	<i>At SPACER</i>
			<i>24</i>		<i>run fluid</i>
			<i>5</i>		<i>SPACER</i>
			<i>34</i>	<i>4.5</i>	<i>st mixing cont 150 sk cement @ 15.00</i>
					<i>cont mixed shut down wash, pad, lines</i>
					<i>Release Plug</i>
				<i>5 1/2</i>	<i>At Pump</i>
	<i>250</i>				<i>lift 15.</i>
	<i>450</i>			<i>2 1/2</i>	<i>Saw bit</i>
<i>2:00</i>	<i>1200</i>		<i>86 1/2</i>		<i>Plug down</i>
			<i>7</i>		<i>Plug R.H. of 30 sk</i>
					<i>JOB Complete</i>
					<i>Thank you</i>

Customer LD Drilling, Inc	Lease No.	Date 9-25-2014
Lease Blenkenship	Well # 3-2	
Field Order # 11262	Station Pratt	Casing 8 5/8
		Depth 959
Type Job CNW 8 5/8 Surface	Formation TD-960	County Barton
		State KS
		Legal Description 2-19-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 5/8				Pre Pad	Max		5 Min.	
Depth 959	Depth	From	To	Pad	Min		10 Min.	
Volume	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth 919	Packer Depth	From	To					

Customer Representative	Station Manager Kevin Goreley	Treater Darin Franklin			
Service Units	27283	19889	19843	19960	21010
Driver Names	Darin	Ed	James	James	James

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
1:00pm					on location / safety meeting
					Run 959' 8 5/8 casing
					200SK D-Con Blend 3%cc 1/4# CF
					12.0 pps, 2.47 veild, 14.49 water
					200SK Common 2%cc, 1/4# CF
					15.6 pps, 1.20 veild, 5.23 water
4:00pm	100		3		Pump 3 bbls water
	100		88		mix 200SK loss cement
	100		43		mix 200SK tail cement
					Shut down
					Release Plug
	200				Start displacer motor
	400				Slow Rate
	400				Bump Plus - Shut in
					Cement die circulate
					Job complete / Darin & crew
					Thnx you!!!