



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224980
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: _____



1224980

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, LLC
Well Name	Hager C-1
Doc ID	1224980

Tops

Name	Top	Datum
ANHYDRITE	484	+1288
TOPEKA	2592	-820
HEEBNER SHALE	2860	-1088
TORONTO	2881	-1109
DOUGLAS SHALE	2891	-1119
BROWN LIME	2982	-1210
LKC	3004	-1232
BKC	3263	-1491
ARBUCKLE	3326	-1554

Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, LLC
Well Name	Hager C-1
Doc ID	1224980

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3344 to 3347		
4	3356 to 3358		
		cast iron bridge plug	3320
4	3031 to 3034		
4	3084 to 3094		
4	3179.5 to 3183.5		



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carrie Exploration adn Development

17/19S/10W/Rice

210 W 22nd
Hays, Kansas 67601

Hager C-1

Job Ticket: 60273

DST#: 1

ATTN: Steve Reed

Test Start: 2014.09.23 @ 13:49:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:16:30

Time Test Ended: 18:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: S1 Great Bend/40

Interval: 2984.00 ft (KB) To 3080.00 ft (KB) (TVD)

Reference Elevations: 1772.00 ft (KB)

Total Depth: 3080.00 ft (KB) (TVD)

1764.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6749 Inside

Press @ RunDepth: 90.28 psig @ 3075.95 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.23

End Date: 2014.09.23

Last Calib.: 2014.09.23

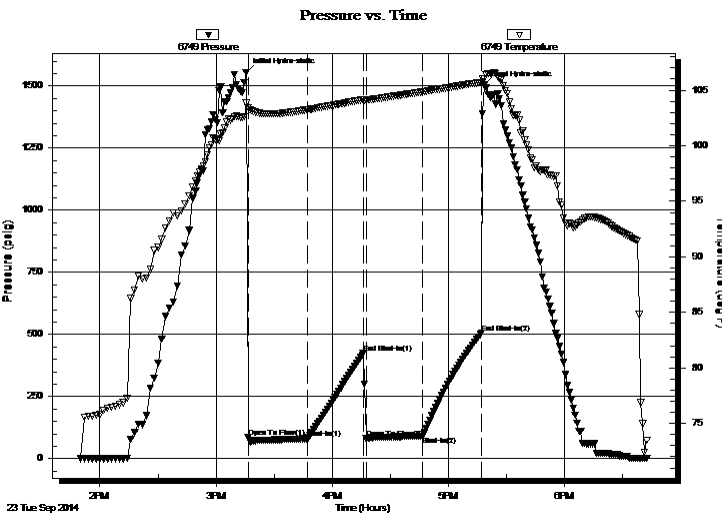
Start Time: 13:50:00

End Time: 18:43:00

Time On Btm: 2014.09.23 @ 15:15:30

Time Off Btm: 2014.09.23 @ 17:18:30

TEST COMMENT: 1ST Open 30 Minutes/Good blow/Blow built to bottom of bucket in 1 minute 15 seconds
 1ST Shut In 30 Minutes/Weak surface blow back
 2ND Open 30 Minues/Strong blow/Blow built to bottom of bucket in 15 seconds
 2ND Shut In 30 Minutes/Blow back built to 1/4 inch



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.64	103.84	Initial Hydro-static
1	87.07	103.41	Open To Flow (1)
32	80.43	103.23	Shut-In(1)
61	423.96	104.15	End Shut-In(1)
62	81.06	104.10	Open To Flow (2)
91	90.28	104.84	Shut-In(2)
122	504.77	105.70	End Shut-In(2)
123	1503.39	106.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud with show of oil/Mud 100%	0.98
0.00	1232 feet of gas in pipe/Gas 100%	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

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Carrie Exploration and Development

17/19S/10W/Rice

210 W 22nd
Hays, Kansas 67601

Hager C-1

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Tester: Ken Swinney

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Reference Elevations: 1772.00 ft (KB)

Total Depth: 3080.00 ft (KB) (TVD)

1764.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6663 Outside

Press @ Run Depth: 505.70 psig @ 3076.95 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.23

End Date: 2014.09.23

Last Calib.: 2014.09.23

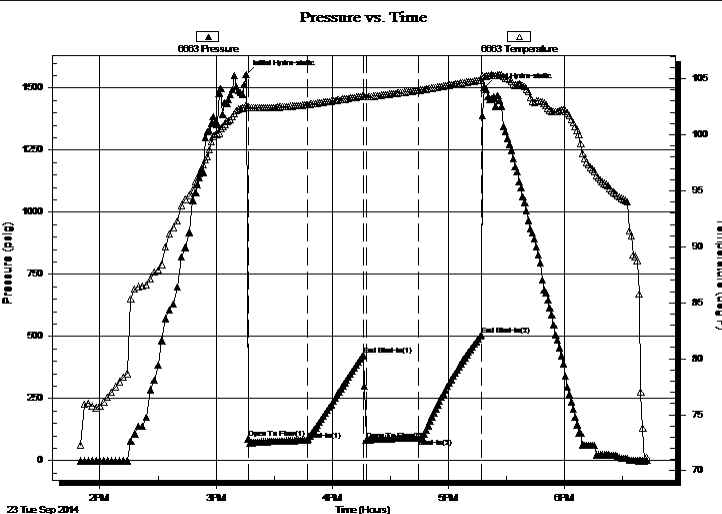
Start Time: 13:50:00

End Time: 18:43:00

Time On Btm: 2014.09.23 @ 15:15:30

Time Off Btm: 2014.09.23 @ 17:18:30

TEST COMMENT: 1ST Open 30 Minutes/Good blow/Blow built to bottom of bucket in 1 minute 15 seconds
 1ST Shut In 30 Minutes/Weak surface blow back
 2ND Open 30 Minutes/Strong blow/Blow built to bottom of bucket in 15 seconds
 2ND Shut In 30 Minutes/Blow back built to 1/4 inch



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.06	102.68	Initial Hydro-static
1	88.40	102.43	Open To Flow (1)
32	82.56	102.69	Shut-In(1)
61	425.56	103.46	End Shut-In(1)
62	81.64	103.37	Open To Flow (2)
89	91.65	103.98	Shut-In(2)
122	505.70	104.89	End Shut-In(2)
123	1503.62	105.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud with show of oil/Mud 100%	0.98
0.00	1232 feet of gas in pipe/Gas 100%	0.00

Gas Rates

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

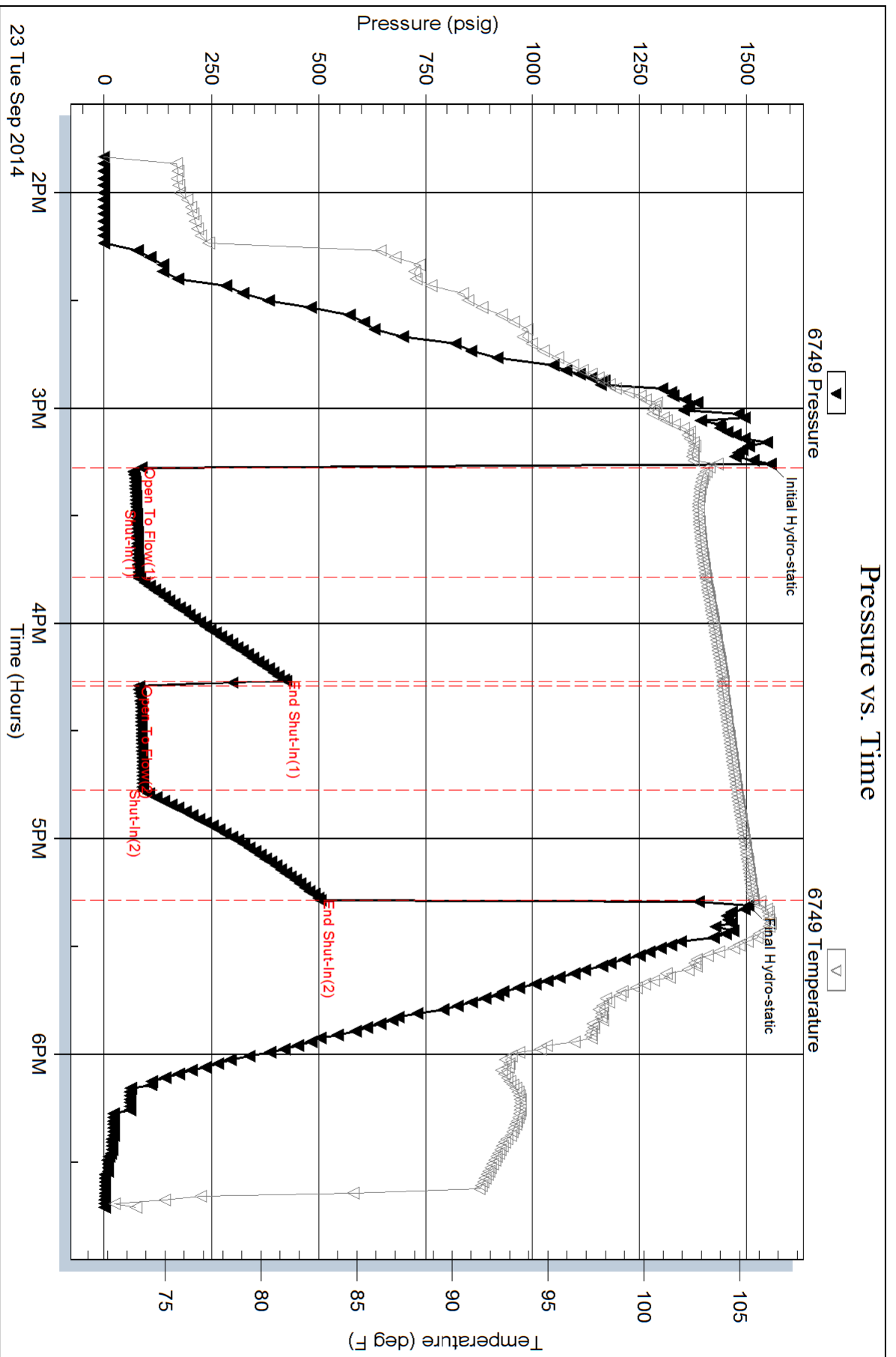
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Inside

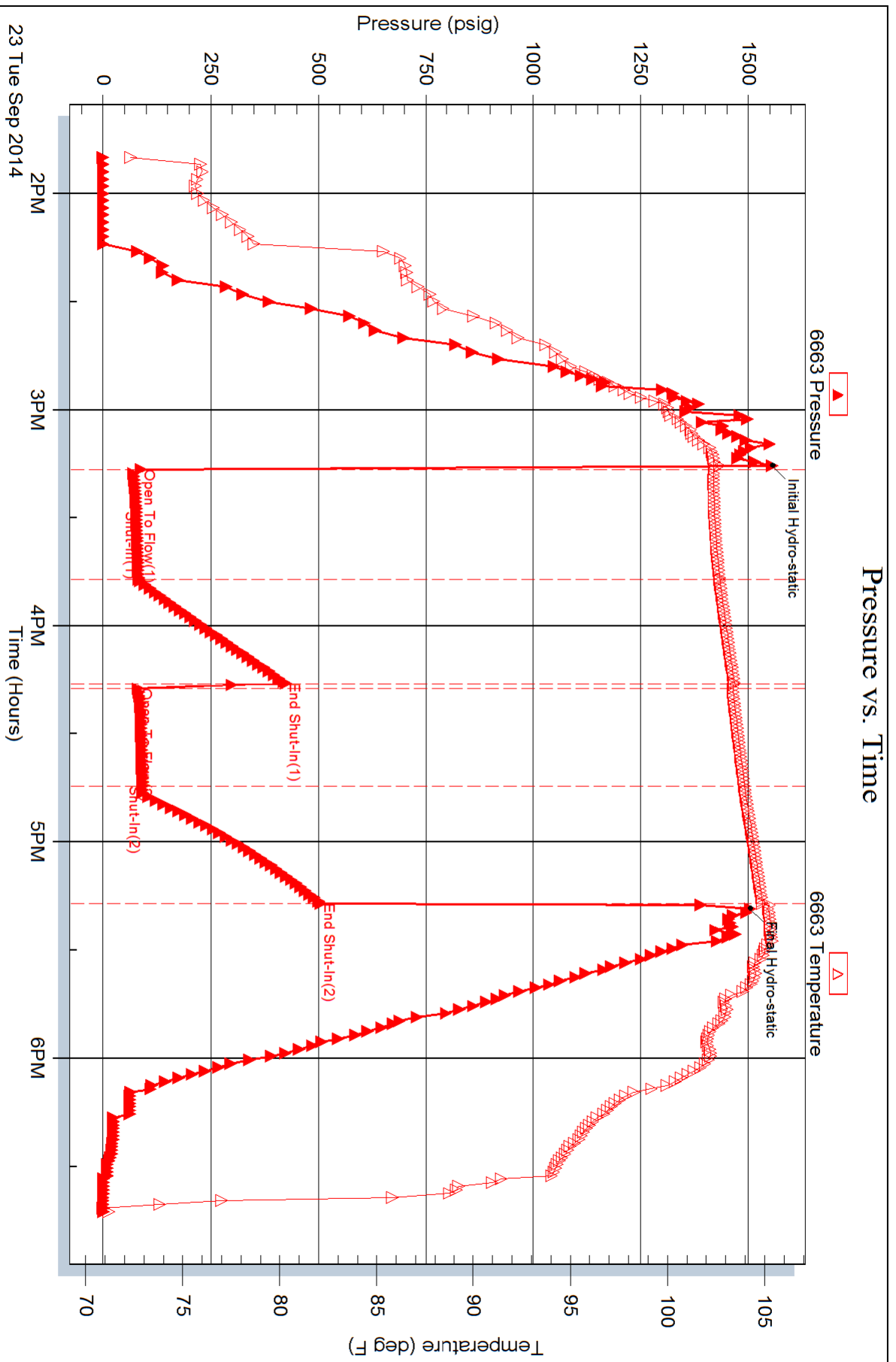
Carrie Exploration adn Development

Hager C-1

DST Test Number: 1



Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carrie Exploration adn Development

17/19S/10W/Rice

210 W 22nd
Hays, Kansas 67601

Hager C-1

Job Ticket: 60274

DST#: 2

ATTN: Steve Reed

Test Start: 2014.09.24 @ 16:23:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:52:30

Time Test Ended: 22:31:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: S1 Great Bend/40

Interval: 3255.00 ft (KB) To 3330.00 ft (KB) (TVD)

Reference Elevations: 1772.00 ft (KB)

Total Depth: 3330.00 ft (KB) (TVD)

1764.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6749

Inside

Press@RunDepth: 88.91 psig @ 3325.65 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.24

End Date: 2014.09.24

Last Calib.: 2014.09.24

Start Time: 16:24:00

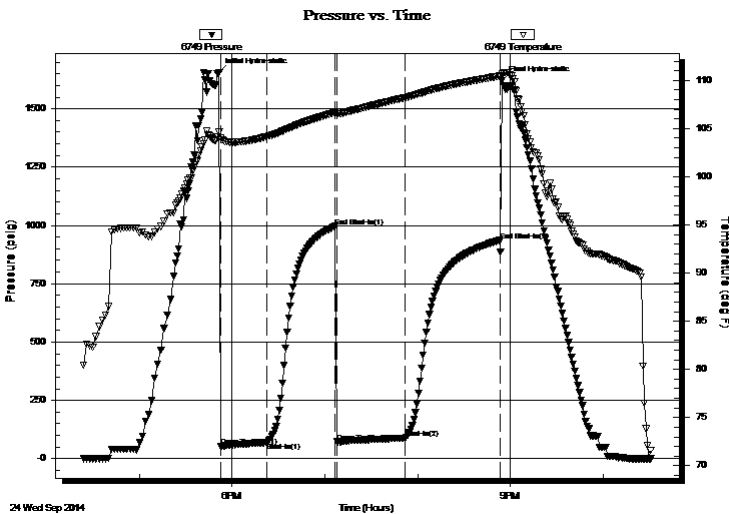
End Time: 22:31:00

Time On Btm: 2014.09.24 @ 17:51:30

Time Off Btm: 2014.09.24 @ 20:54:30

TEST COMMENT: 1ST Open 30 Minutes/Fair blow /Blow built to 7 1/4 inches
1ST Shut In 45 Minutes/Blow back built to just below surface
2ND Open 45 Minutes/Good blow /Blow built to 11 inches
2ND Shut In 60 Minutes/Blow back built to 1/4 inch

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.77	104.62	Initial Hydro-static
1	51.99	104.00	Open To Flow (1)
31	69.62	104.17	Shut-In(1)
75	996.08	106.67	End Shut-In(1)
76	72.57	106.50	Open To Flow (2)
121	88.91	108.22	Shut-In(2)
182	935.05	110.45	End Shut-In(2)
183	1620.49	110.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
74.00	Gas cut Oily Mud	0.36
0.00	Gas 15% Oil 25% Mud 60%	0.00
40.00	Clean gassy oil	0.20
0.00	Gas 10% Oil 90%	0.00
0.00	134 feet of gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration adn Development

17/19S/10W/Rice

210 W 22nd
Hays, Kansas 67601

Hager C-1

Job Ticket: 60274

DST#: 2

ATTN: Steve Reed

Test Start: 2014.09.24 @ 16:23:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
74.00	Gas cut Oily Mud	0.364
0.00	Gas 15% Oil 25% Mud 60%	0.000
40.00	Clean gassy oil	0.197
0.00	Gas 10% Oil 90%	0.000
0.00	134 feet of gas in pipe	0.000

Total Length: 114.00 ft

Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6749

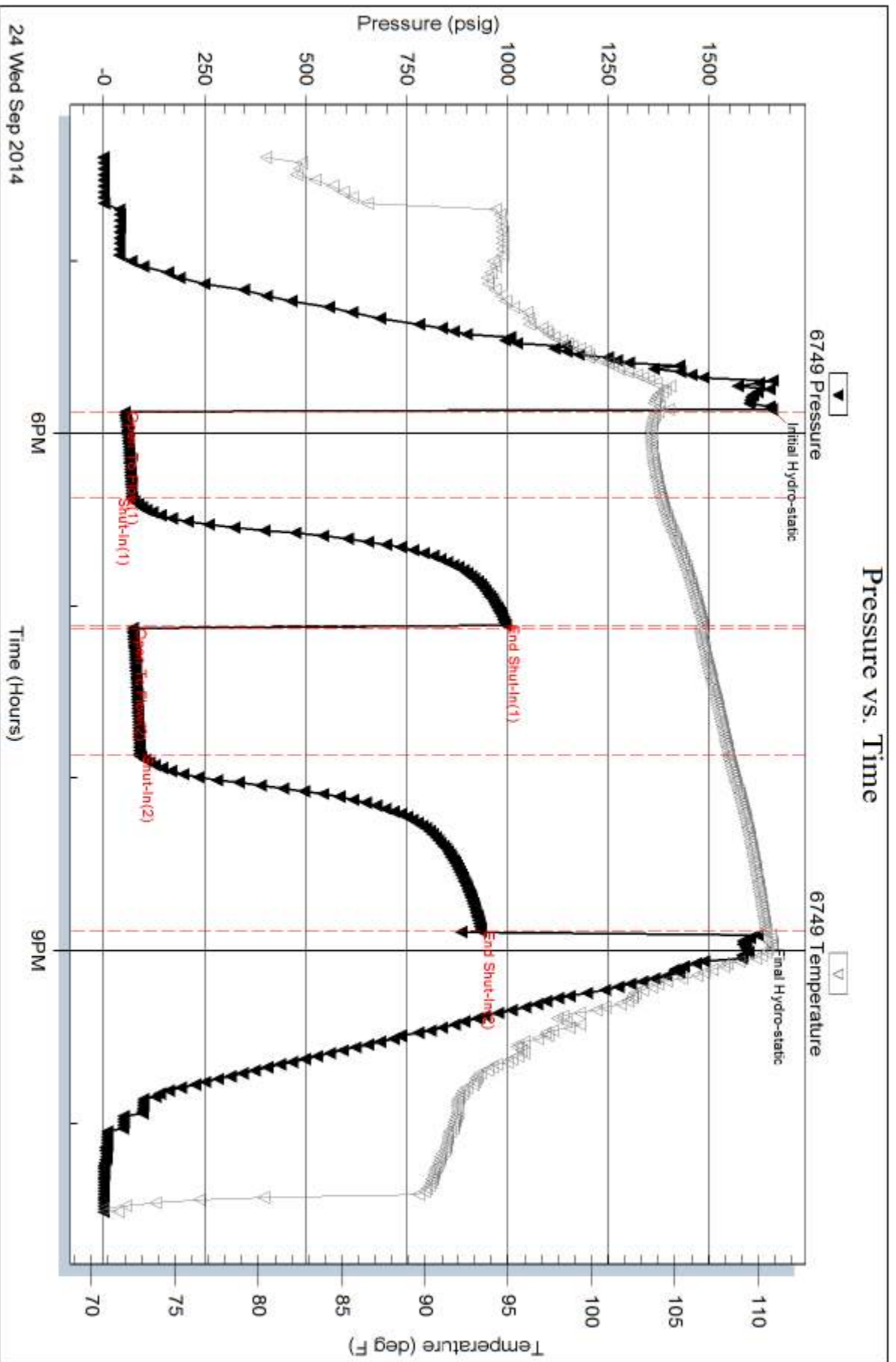
Inside

Carrie Exploration adn Development

Heger C-1

DST Test Number: 2

Pressure vs. Time



OPERATOR

Company: CARRIE EXPLORATION AND DEVELOPMENT, LLC
 Address: 210 W 22ND STREET
 HAYS, KANSAS 67601

Contact Geologist: RON HEROLD
 Contact Phone Nbr: 785-625-9318
 Well Name: HAGER # C-1
 Location: SE SE SW, Sec.17-T19S-R10W
 API: 15-159-22,798-00-00
 Pool:
 State: KANSAS

Field: CHASE-SILICA
 Country: USA

Scale 1:240 Imperial

Well Name: HAGER # C-1
 Surface Location: SE SE SW, Sec.17-T19S-R10W
 Bottom Location:
 API: 15-159-22,798-00-00
 License Number: 6768
 Spud Date: 9/19/2014 Time: 2:00 PM
 Region: RICE COUNTY
 Drilling Completed: 9/25/2014 Time: 5:21 AM
 Surface Coordinates: 330' FSL & 2310' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1764.00ft
 K.B. Elevation: 1772.00ft
 Logged Interval: 2200.00ft To: 3410.00ft
 Total Depth: 3410.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.4534951
 Latitude: 38.392095
 N/S Co-ord: 330' FSL
 E/W Co-ord: 2310' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 WEST 35TH STREET
 HAYS, KANSAS 67601

Phone Nbr: 785-650-4540 / 785-639-1337
 Logged By: GEOLOGIST

Name: STEVE REED / HERB DEINES

CONTRACTOR

Contractor: DISCOVERY DRILLING, INC.
 Rig #: 2
 Rig Type: MUD ROTARY
 Spud Date: 9/19/2014 Time: 2:00 PM
 TD Date: 9/25/2014 Time: 5:21 AM
 Rig Release: 9/25/2014 Time: 10:45 PM

ELEVATIONS

K.B. Elevation: 1772.00ft Ground Elevation: 1764.00ft
 K.B. to Ground: 8.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE ARBUCKLE STRUCTURE, RESULTS OF DST # 2 AND LOG ANALYSIS.


FORMATION TOPS COMPARISON

	WELL NAME		COMPARISON WELL	COMPARISON WELL
	HAGER C-1		DEWERFF B-1	HAGER #1
	1772KB		1773KB	1770KB
	API: 15-159-22798		API: 15-159-22787	API: 15-159-21296
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)
ANHYDRITE TOP	482' (+1290')	484 (+1288)	+1277	NA
GRAND HAVEN	2203' (-431')	2205 (-433)	-427	NA
DOVER	2232' (-460')	2235 (-463)	-455	NA
STOTLER/TARKIO LM	2283' (-511')	2285 (-513)	-509	NA
TOPEKA	2592' (-820')	2592 (-820)	-818'	-827'
HEEBNER	2857' (-1085')	2860 (-1088)	-1085'	-1100'
TORONTO	2877' (-1105')	2881 (-1109)	-1106'	-1122'
BROWN LIME	2979' (-1207')	2982 (-1210)	-1204'	-1221'
LKC	3001' (-1229')	3004 (-1232)	-1228'	-1245'
BKC	3261' (-1489')	3263 (-1491)	-1489'	-1505'
ARBUCKLE	3323' (-1551')	3326 (-1554)	-1548'	-1555'
RTD	3410' (-1637')	3410 (-1638)	-1587'	-1605'

SUMMARY OF DAILY ACTIVITY

- 9-19-14 R.U., spud @ 12:45 pm, 8 5/8" surface casing set at 305' w/225 sxs common, 2% gel, 3% cc, WOC, survey 3/4°
- 9-20-14 315', drilling
- 9-21-14 1655', drilling
- 9-22-14 2385', drilling
- 9-23-14 3030', drilling, CFS @ 3080', short trip, CTCH, TOWB for DST #1, survey 1/2°, DST #1 2984'-3080' LKC "A-F", CFS @ 3117', CFS @ 3195'
- 9-24-14 3255', drilling, CFS @ 3325', CFS @3330', short trip, CTCH, TOWB for DST #2, DST #2 3255' to 3330' "Arbuckle"
- 9-25-14 3410', drilling, RTD 3410' @5:21AM, CCH, TOWB, survey 1 1/2, logs, run production casing

DST # 1 TEST SUMMARY

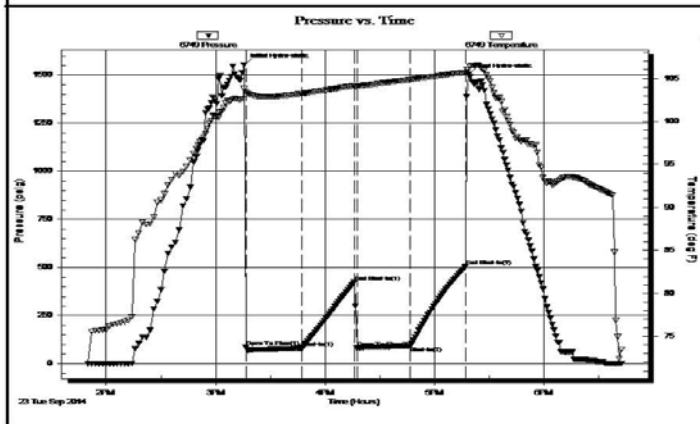
	DRILL STEM TEST REPORT	
	Carrie Exploration adn Development 210 W 22nd Hays, Kansas 67601 ATTN: Steve Reed	17/19S/10W/Rice Hager C-1 Job Ticket: 60273 DST#: 1 Test Start: 2014.09.23 @ 13:49:00

GENERAL INFORMATION:

Formation: Lansing/Kansas City	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Ken Swinney
Time Tool Opened: 15:16:30	Unit No: S1 Great Bend/40
Time Test Ended: 18:43:00	Reference Elevations: 1772.00 ft (KB)
Interval: 2984.00 ft (KB) To 3080.00 ft (KB) (TVD)	1764.00 ft (CF)
Total Depth: 3080.00 ft (KB) (TVD)	KB to GR/CF: 8.00 ft
Hole Diameter: 7.80 inches Hole Condition: Fair	

Serial #: 6749	Inside				
Press@RunDepth: 90.28 psig @	3075.95 ft (KB)	Capacity:	8000.00 psig		
Start Date: 2014.09.23	End Date: 2014.09.23	Last Calib.:	2014.09.23		
Start Time: 13:50:00	End Time: 18:43:00	Time On Btm:	2014.09.23 @ 15:15:30		
		Time Off Btm:	2014.09.23 @ 17:18:30		

TEST COMMENT: 1ST Open 30 Minutes/Good blow /Blow built to bottom of bucket in 1 minute 15 seconds
 1ST Shut In 30 Minutes/Weak surface blow back
 2ND Open 30 Minues/Strong blow /Blow built to bottom of bucket in 15 seconds
 2ND Shut In 30 Minutes/Blow back built to 1/4 inch



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.64	103.84	Initial Hydro-static
1	87.07	103.41	Open To Flow (1)
32	80.43	103.23	Shut-In(1)
61	423.96	104.15	End Shut-In(1)
62	81.06	104.10	Open To Flow (2)
91	90.28	104.84	Shut-In(2)
122	504.77	105.70	End Shut-In(2)
123	1503.39	106.04	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
70.00	Mud with show of oil/Mud 100%	0.98
0.00	1232 feet of gas in pipe/Gas 100%	0.00

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

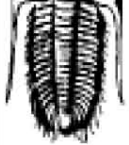
Trilobite Testing, Inc

Ref. No: 60273

Printed: 2014.09.23 @ 22:28:44

DST # 2 TEST SUMMARY

	DRILL STEM TEST REPORT	
	Carrie Exploration adn Development 210 W 22nd Hays, Kansas 67601 ATTN: Steve Reed	17/19S/10W/Rice



ESTING, INC

210 W 22nd
Hays, Kansas 67601

ATTN: Steve Reed

Hager C-1

Job Ticket: 60274

DST#: 2

Test Start: 2014.09.24 @ 16:23:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:52:30

Time Test Ended: 22:31:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: S1 Great Bend/40

Interval: **3255.00 ft (KB) To 3330.00 ft (KB) (TVD)**

Total Depth: 3330.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 1772.00 ft (KB)

1764.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6749 Inside

Press@RunDepth: 88.91 psig @ 3325.65 ft (KB)

Start Date: 2014.09.24

End Date: 2014.09.24

Start Time: 16:24:00

End Time: 22:31:00

Capacity: 8000.00 psig

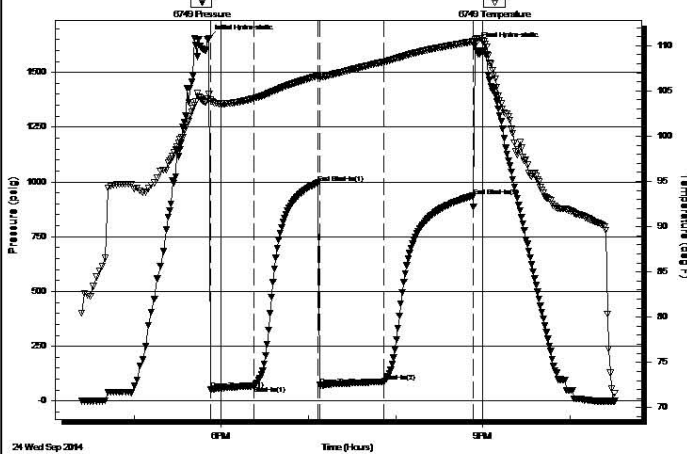
Last Calib.: 2014.09.24

Time On Btm: 2014.09.24 @ 17:51:30

Time Off Btm: 2014.09.24 @ 20:54:30

TEST COMMENT: 1ST Open 30 Minutes/Fair blow /Blow built to 7 1/4 inches
1ST Shut In 45 Minutes/Blow back built to just below surface
2ND Open 45 Minutes/Good blow /Blow built to 11 inches
2ND Shut In 60 Minutes/Blow back built to 1/4 inch

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.77	104.62	Initial Hydro-static
1	51.99	104.00	Open To Flow (1)
31	69.62	104.17	Shut-In(1)
75	996.08	106.67	End Shut-In(1)
76	72.57	106.50	Open To Flow (2)
121	88.91	108.22	Shut-In(2)
182	935.05	110.45	End Shut-In(2)
183	1620.49	110.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
74.00	Gas cut Oily Mud	0.36
0.00	Gas 15% Oil 25% Mud 60%	0.00
40.00	Clean gassy oil	0.20
0.00	Gas 10% Oil 90%	0.00
0.00	134 feet of gas in pipe	0.00

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 60274

Printed: 2014.09.25 @ 08:10:58

ROCK TYPES

Cht vari	Congl	Lmst fw7>	Carbon Sh	Ss
Clystgy	Dolprim	shale, grn	shale, red	Lscongl
Clystcol	Lmst fw<7	shale, gry	Shcol	

ACCESSORIES

MINERAL

▲ Chert, dark

FOSSIL

F Fossils < 20%

STRINGER

~~~~ Chert

**TEXTURE**

C Chalky

~ Glauconite  
 P Pyrite  
 △ Chert White  
 Mc Mica

O Oomoldic  
 ⊗ Fossilinid

L Lithogr

**OTHER SYMBOLS**

**EVENTS**

- ⌋ Casing Shoe
- ▽ RTF
- ▶ Sidewall
- ▲ Left Casing Shoe
- ▼ Right Casing Shoe

**INTERVALS**

- Core
- DST

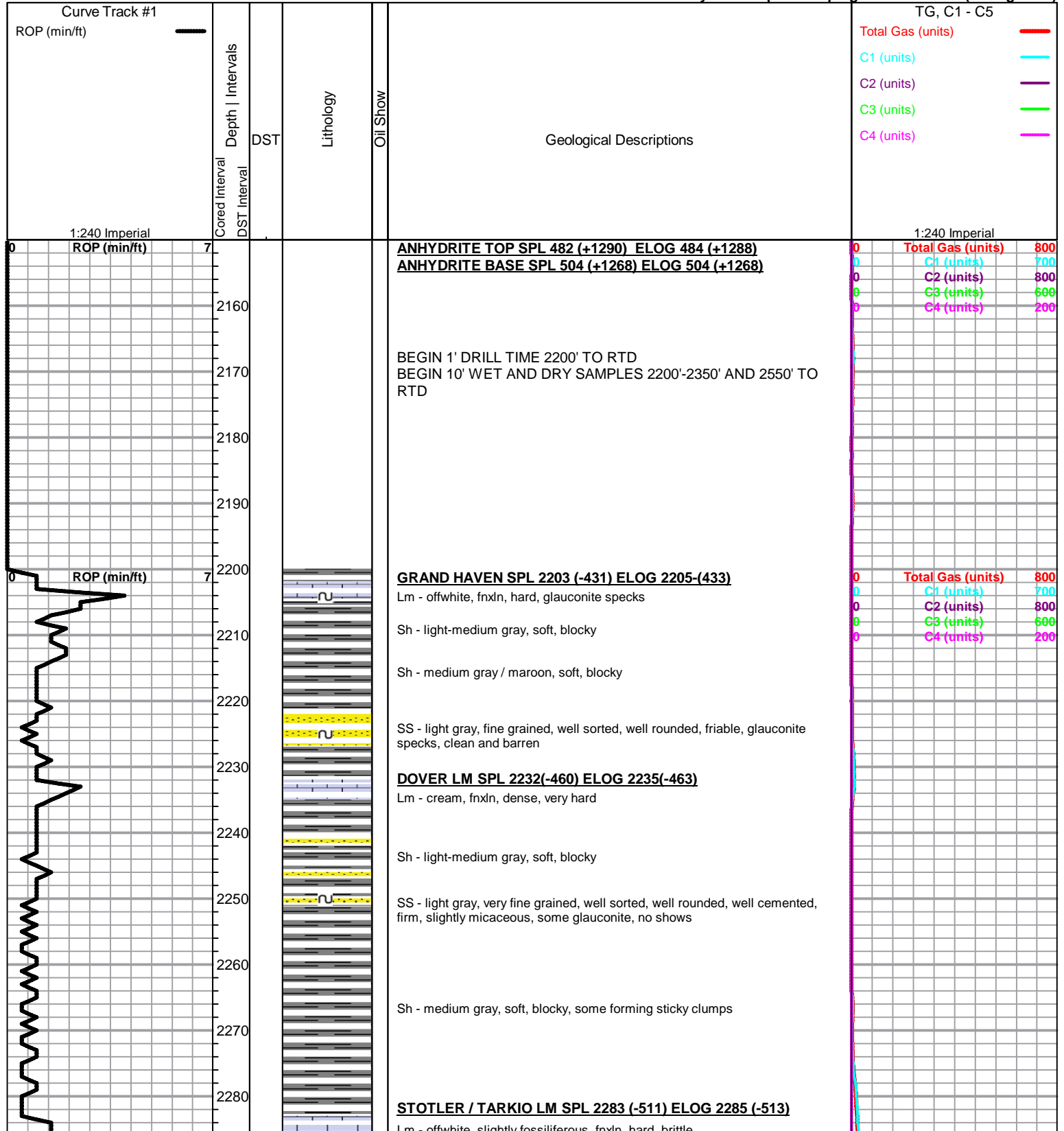
**Oil Show**

- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- Dead Oil Stn
- Fluorescence
- \* Gas

**DST**

- DST Int
- DST alt
- Core
- tail pipe
- DST

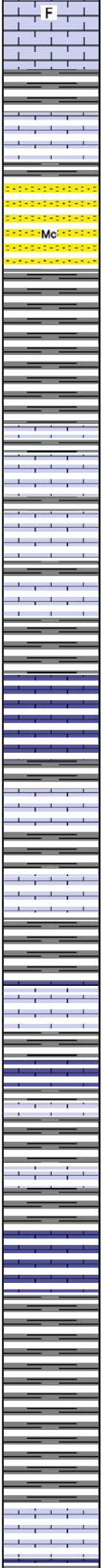
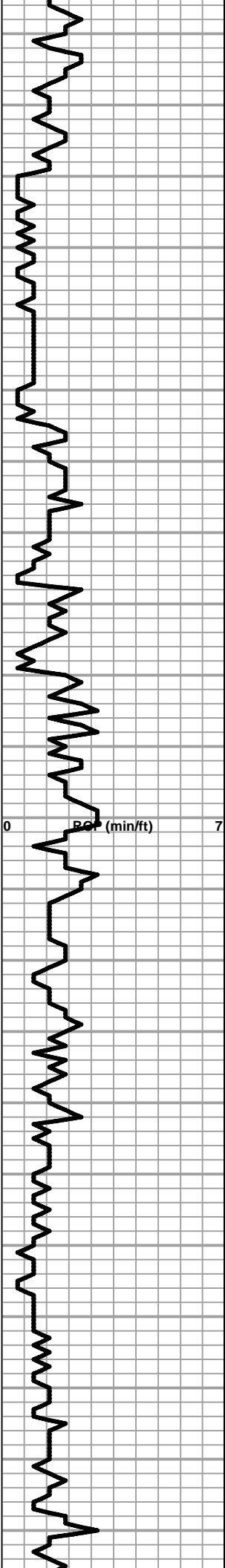
Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)





2290  
2300  
2310  
2320  
2330  
2340  
2350  
2360  
2370  
2380  
2390  
2400  
2410  
2420  
2430  
2440  
2450  
2460  
2470  
2480  
2490  
2500

0 ROP (min/ft) 7



F

Lm - tan, fxl, dense, hard  
Lm - tan-cream, fossiliferous, fn-medxl, friable

Lm - cream-offwhite, fine interxl porosity, hard, brittle

Sh - medium gray, soft, blocky

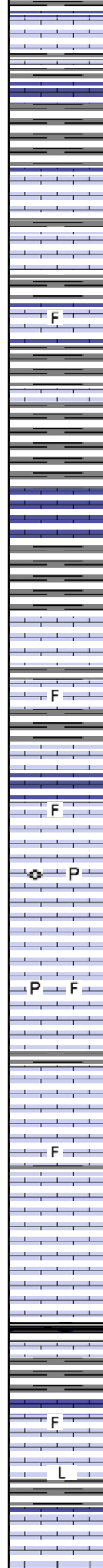
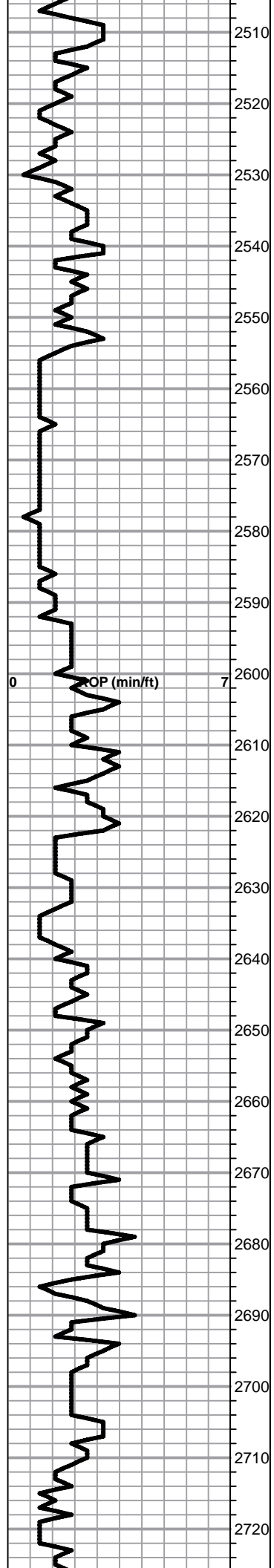
Mc

SS- light gray, fine grained, well sorted, well rounded, well cemented, firm, no shows, slightly micaceous

Sh - light-medium gray, soft, blocky

**NO SAMPLES CAUGHT FROM 2350 TO 2550**

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 800 |
| 0 | C1 (units)        | 700 |
| 0 | C2 (units)        | 800 |
| 0 | C3 (units)        | 600 |
| 0 | C4 (units)        | 200 |



Lm - tan-light gray, fnxln, hard, brittle

F Lm - tan-medium brown, fnxln, slightly fossiliferous, brittle

Sh - light-medium gray, soft, blocky

Sh - medium-dark gray, soft, blocky

**TOPEKA SPL 2592 (-820) ELOG 2592(-820)**

Lm - cream-tan, fnxln, hard, brittle

F Lm - tan-light gray, slightly fossiliferous, hard

Lm - light gray, fnxln, hard, pyrite

F Lm - cream-tan, fnxln, slightly fossiliferous, dense, hard

P Lm - cream, granular, brittle, pyrite, fusulinids

P F Lm - tan, fnxln, fossiliferous, brittle, pyrite

Lm - cream, granular, moderate hardness

F Lm - cream-tan, fnxln to granular, slightly fossiliferous, brittle

Lm - cream-light brown, fnxln to granular, bedded chalk in part

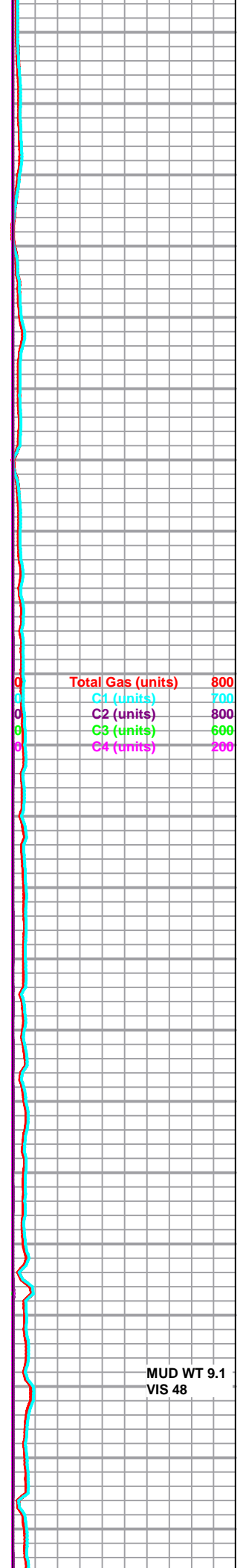
Lm - cream-tan, fossil porosity, friable, no shows

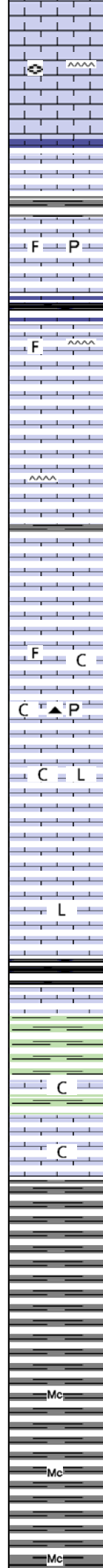
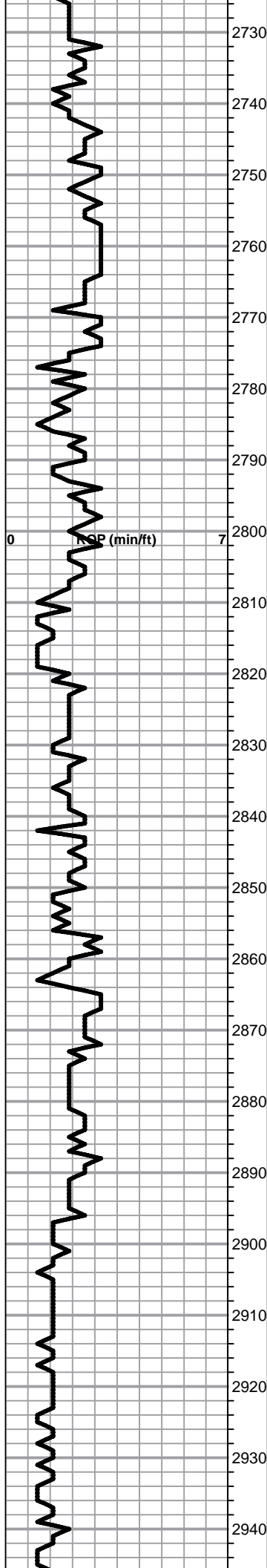
Sh - black, carbonaceous, waxy  
Lm - cream, medxln to granular in part, firm on crush, slightly chalky

F Lm - cream-tan, slightly fossiliferous, dense, hard

L Lm - tan, fnxln to lithographic in part, dense, hard

Lm - tan, granular, friable, no shows, chalky





Lm - light gray-brown, fn-medxn, slightly fossiliferous, bedded chalk in part

Lm - cream, medxn, fusulinids, hard, brittle, bedded chalk, cherty

Lm - tan-light brown, medxn with fine interxn porosity, hard, brittle, bedded chalk in part

Lm - tan, medium brown, fossiliferous, fine interxn porosity, dense, very hard, pyrite

Sh - black, carbonaceous, waxy

Lm - cream-tan, fnxn to granular, brittle, slightly fossiliferous, cherty

Lm - tan, mottled, granular, friable, bedded chalk in part

Lm - tan, fine interxn porosity, hard, brittle, bedded chalk, slightly cherty

Sh - medium gray, soft, blocky

Lm - cream-tan, dark fossil clasts in granular matrix, friable, chalky

Lm - cream-tan, fnxn to granular, well cemented, hard, slight chalk, black chert, pyrite clusters

Lm - cream, fnxn to lithographic in some, hard, brittle, slight chalk

Lm - tan, fine interxn porosity, dense, hard, slight bedded chalk

Lm - medium brown, lithographic, very hard, brittle

**HEEBNER SPL 2857 (-1085) ELOG 2860(-1088)**

Sh - black, carbonaceous, waxy

Lm - tan, fnxn, dense, very hard

Sh - greenish gray, soft, blocky, forming sticky clumps in part

**TORONTO SPL 2877 (-1105) ELOG 2881(-1109)**

Lm - offwhite, bright and clean, fnxn to granular, slightly chalky

Lm - cream-offwhite, fnxn, hard, slightly chalky, no shows

**DOUGLAS SHALE SPL 2892 (-1120) ELOG 2891 (-1119)**

Sh - maroon, soft, blocky

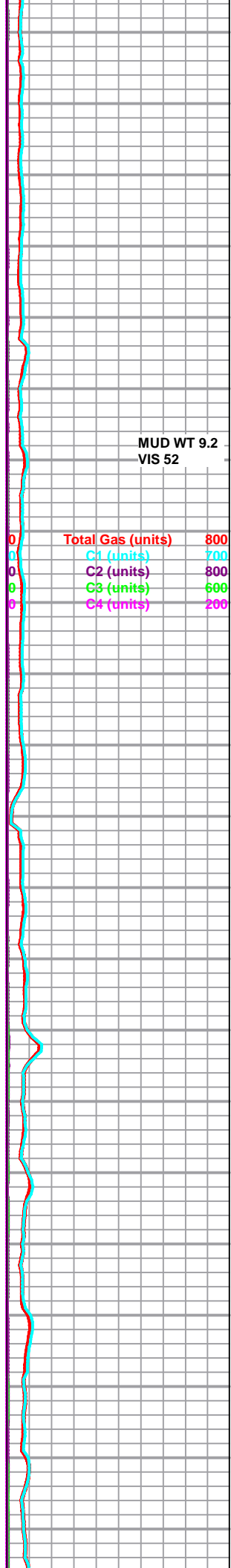
Sh - light greenish gray / maroon, soft, blocky

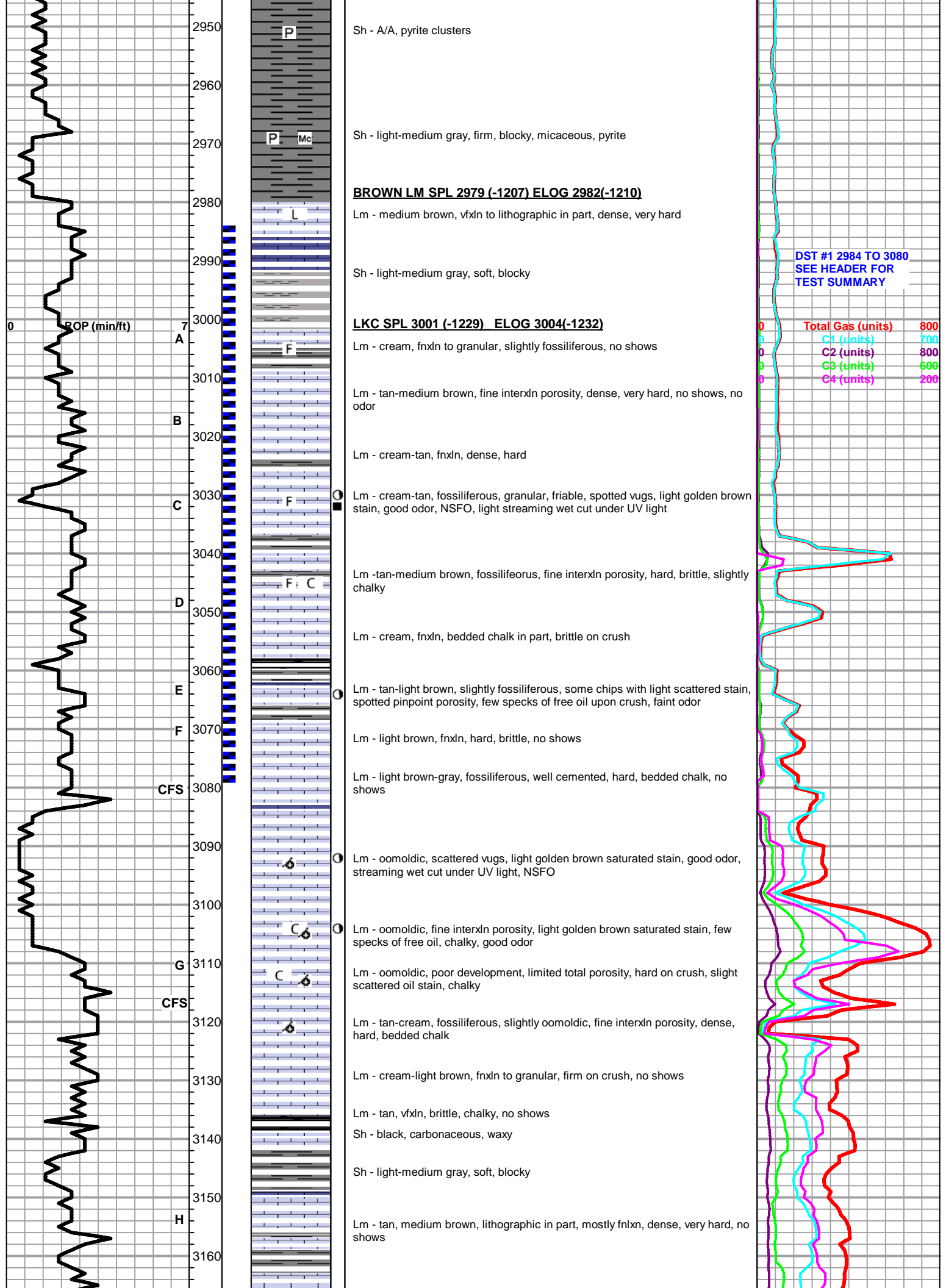
SS - dark gray, micaceous, very fine grained, angular, well sorted, well cemented, firm, SFO specks upon crush, good streaming wet cut, no odor

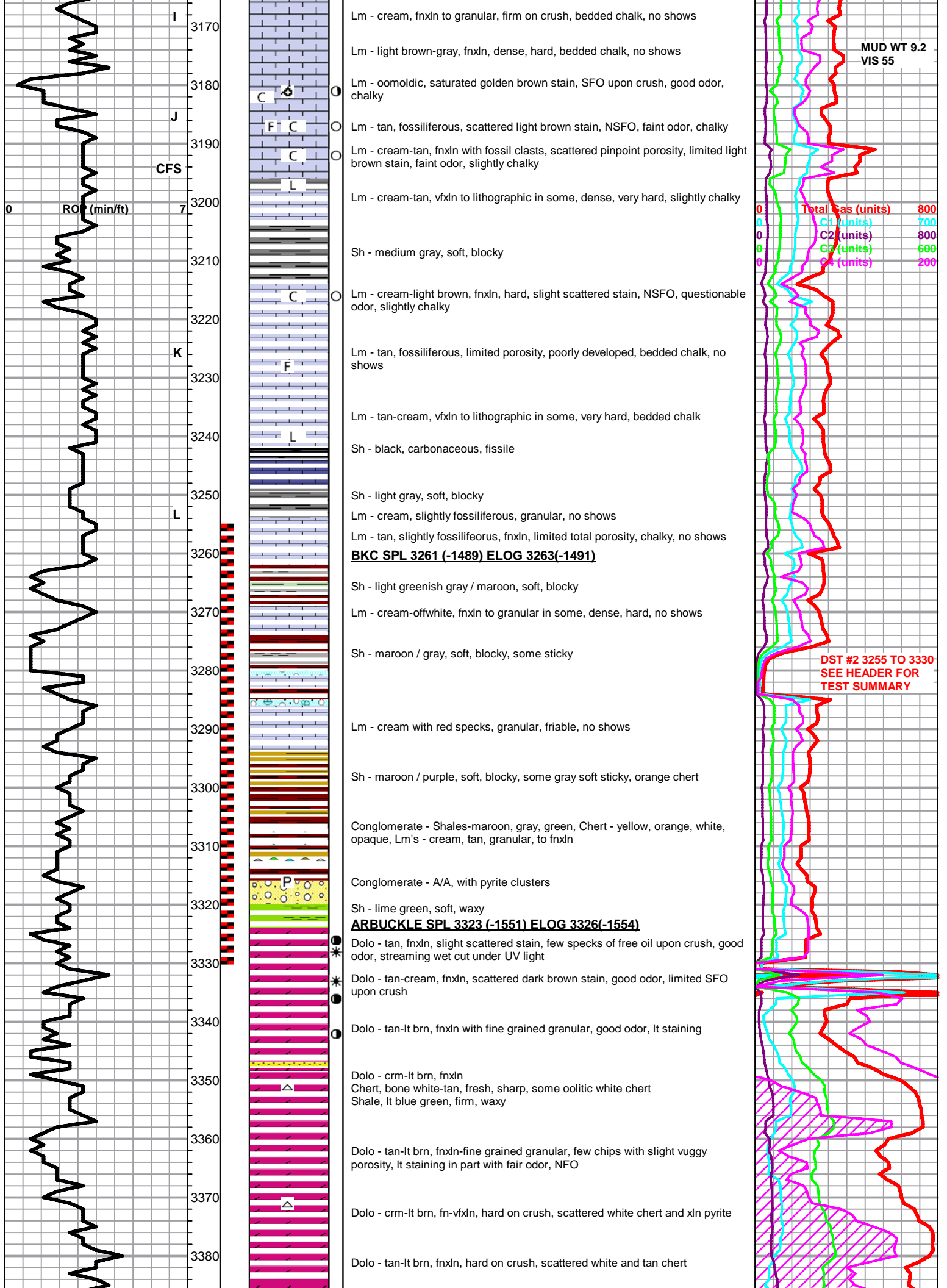
Sh - light-medium gray, micaceous, soft, blocky, silty, gritty

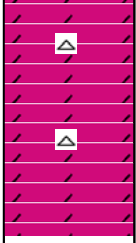
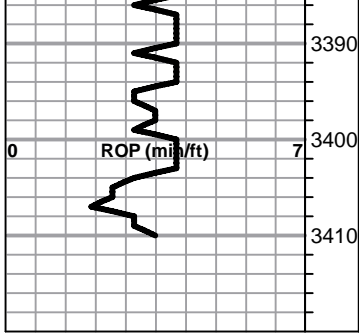
Sh - light gray, soft, blocky, silty, micaceous, forming sticky clumps in part

Sh - medium gray, soft, blocky, silty, micaceous







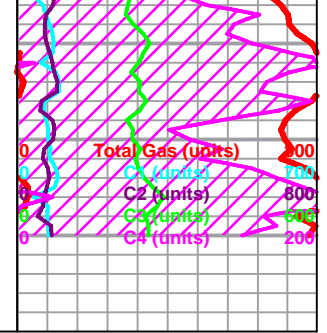


Dolo - tan-lt brn, fn-vfxln, white-tan fresh, sharp chert, scattered xln pyrite

Dolo - lt brn, fn-vfxln, chert, white, fresh, sharp

Dolo - crm-lt brn, fn-vfxln, increasing white-lt pink chert and quartz

**RTD 3410-1638    LTD 3411-1639**





PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 145791

Invoice Date: Sep 19, 2014

Page: 1

*pd # 4921  
9-29-14*

|                                                                                |
|--------------------------------------------------------------------------------|
| <b>Bill To:</b>                                                                |
| Carrie Exploration & Development LLC<br>210 West 22nd Street<br>Hays, KS 67601 |

| Customer ID  | Field Ticket # | Payment Terms |          |
|--------------|----------------|---------------|----------|
| Carrie       | 63952          | Net 30 Days   |          |
| Job Location | Camp Location  | Service Date  | Due Date |
| KS2-01       | Great Bend     | Sep 19, 2014  | 10/19/14 |

| Quantity | Item               | Description           | Unit Price | Amount   |
|----------|--------------------|-----------------------|------------|----------|
| 1.00     | WELL NAME          | Hager C #1            |            |          |
| 225.00   | CEMENT MATERIALS   | Class A Common        | 17.90      | 4,027.50 |
| 423.00   | CEMENT MATERIALS   | Gel                   | 0.50       | 211.50   |
| 634.00   | CEMENT MATERIALS   | Chloride              | 1.10       | 697.40   |
| 243.30   | CEMENT SERVICE     | Cubic Feet Charge     | 2.48       | 603.38   |
| 222.00   | CEMENT SERVICE     | Ton Mileage Charge    | 2.75       | 610.50   |
| 1.00     | CEMENT SERVICE     | Surface               | 1,512.25   | 1,512.25 |
| 20.00    | CEMENT SERVICE     | Pump Truck Mileage    | 7.70       | 154.00   |
| 20.00    | CEMENT SERVICE     | Light Vehicle Mileage | 4.40       | 88.00    |
| 1.00     | CEMENT SUPERVISOR  | Joshua Isaac          |            |          |
| 1.00     | OPERATOR ASSISTANT | Brian Lang            |            |          |
| 1.00     | OPERATOR ASSISTANT | Zeb Schwaller         |            |          |

*IO*

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1,976.13

ONLY IF PAID ON OR BEFORE  
Oct 19, 2014

|                        |                 |
|------------------------|-----------------|
| Subtotal               | 7,904.53        |
| Sales Tax              | 352.95          |
| Total Invoice Amount   | 8,257.48        |
| Payment/Credit Applied |                 |
| <b>TOTAL</b>           | <b>8,257.48</b> |

*8,257.48  
9-29-14  
3091.25*

# ALLIED OIL & GAS SERVICES, LLC 063952

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

|                                    |                |                  |                 |                                            |             |                        |                            |
|------------------------------------|----------------|------------------|-----------------|--------------------------------------------|-------------|------------------------|----------------------------|
| DATE <u>9-19-14</u>                | SEC. <u>17</u> | TWP. <u>19</u>   | RANGE <u>10</u> | CALLED OUT                                 | ON LOCATION | JOB START <u>10 am</u> | JOB FINISH <u>10:30 pm</u> |
| LEASE <u>Hager</u>                 |                | WELL# <u>C-1</u> |                 | LOCATION <u>Silica Elmore - 3N, 1/2 E,</u> |             | COUNTY <u>Rice</u>     | STATE <u>KS</u>            |
| OLD OR NEW (Circle one) <u>NEW</u> |                |                  |                 | A/N/A                                      |             |                        |                            |

CONTRACTOR D. Stacey  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D.  
 CASING SIZE 8 5/8 DEPTH 305 ft  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15 F+  
 PERFS.  
 DISPLACEMENT 18.53 bbl freshwater  
 EQUIPMENT

OWNER  
 CEMENT AMOUNT ORDERED 225 sz class A 3%cc 2%gel  
 COMMON 225 @ 17.90 4,027.50  
 POZMIX @  
 GEL 423 @ 1.50 211.50  
 CHLORIDE 634 @ 1.10 697.40  
 ASC @  
Materials Total 4,936.40  
Disc 25% 1,234.10  
 @  
 @  
 @  
 @  
Service  
 @  
 HANDLING 243.30 @ 2.48 603.38  
 MILEAGE 11.10 x 30 x 2.75 610.50

PUMP TRUCK CEMENTER Josh Isaak  
 # 366 HELPER Brian Lang  
 BULK TRUCK  
 # 609-239 DRIVER Zeb Schwaller  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

On location - rig up - had setting mixing  
Run 8 5/8 casing - Break circulation  
Run 5 bbl freshwater  
Mix 225 sz class A 3%cc 2%gel  
Displace 18.53 bbl #20  
Surf in 10 pm  
Cement did circulate  
Rig down

DEPTH OF JOB 305  
 PUMP TRUCK CHARGE 1512.25  
 EXTRA FOOTAGE @  
 MILEAGE Hum 20 @ 7.70 154.00  
 MANIFOLD @  
Hum 20 @ 4.40 88.00  
 @

CHARGE TO: Curie Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 2,968.13  
Disc 25% 742.03

**PLUG & FLOAT EQUIPMENT**

@ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 0% TOTAL 0

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.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 7,904.53  
 DISCOUNT 35% 1,976.13 IF PAID IN 30 DAYS (69/25/0)  
5,928.40

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]





|                                          |                    |                |                            |
|------------------------------------------|--------------------|----------------|----------------------------|
| PAGE<br>1 of 1                           | CUST NO<br>1005952 | YARD #<br>1718 | INVOICE DATE<br>09/26/2014 |
| <b>INVOICE NUMBER</b><br><b>91606625</b> |                    |                |                            |

Pratt (620) 672-1201  
 B CARRIE EXPLORATION & DEVELOPMENT LLC  
 I 210 W 22ND ST  
 L HAYS  
 L KS US 67601  
 T  
 O ATTN: HEROLD

J LEASE NAME Hager C-1  
 O LOCATION  
 B COUNTY Rice  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

| JOB #                                                                      | EQUIPMENT # | PURCHASE ORDER NO. |        | TERMS                 | DUE DATE       |
|----------------------------------------------------------------------------|-------------|--------------------|--------|-----------------------|----------------|
| 40769793                                                                   | 27463       |                    |        | Net - 30 days         | 10/26/2014     |
| <b>For Service Dates: 09/25/2014 to 09/25/2014</b>                         |             | QTY                | U of M | UNIT PRICE            | INVOICE AMOUNT |
| 0040769793                                                                 |             |                    |        | 10-1-14<br>IT<br>4932 |                |
| 17181148A Cement-New Well Casing/Pi 09/25/2014<br>Cement 5 1/2" Longstring |             |                    |        |                       |                |
| AA2 Cement                                                                 |             | 150.00             | EA     | 13.09                 | 1,963.50 T     |
| 60/40 POZ                                                                  |             | 50.00              | EA     | 9.24                  | 462.00 T       |
| Celloflake                                                                 |             | 36.00              | EA     | 2.85                  | 102.56 T       |
| C-41P                                                                      |             | 29.00              | EA     | 3.08                  | 89.32 T        |
| Salt                                                                       |             | 681.00             | EA     | 0.39                  | 262.19 T       |
| Cement Friction Reducer                                                    |             | 43.00              | EA     | 4.62                  | 198.66 T       |
| C-44                                                                       |             | 141.00             | EA     | 3.97                  | 559.14 T       |
| FLA-322                                                                    |             | 71.00              | EA     | 5.78                  | 410.03 T       |
| Mud Flush                                                                  |             | 500.00             | EA     | 1.16                  | 577.50 T       |
| Gilsonite                                                                  |             | 750.00             | EA     | 0.52                  | 386.93 T       |
| "5 1/2" Port Collar "                                                      |             | 1.00               | EA     | 2,694.99              | 2,694.99       |
| "Latch Down Plug & Baffle, 5 1/2" (Blue)                                   |             | 1.00               | EA     | 308.00                | 308.00         |
| "Auto Fill Float Shoe 5 1/2" (Blue)"                                       |             | 1.00               | EA     | 277.20                | 277.20         |
| "Turbolizer, 5 1/2" (Blue)"                                                |             | 6.00               | EA     | 96.25                 | 577.50         |
| "5 1/2" Basket (Blue)"                                                     |             | 1.00               | EA     | 223.30                | 223.30         |
| "Unit Mileage Chg (PU, cars one way)"                                      |             | 65.00              | MI     | 3.27                  | 212.71         |
| Heavy Equipment Mileage                                                    |             | 130.00             | MI     | 5.39                  | 700.70         |
| "Proppant & Bulk Del. Chgs., per ton mil                                   |             | 598.00             | EA     | 1.69                  | 1,013.01       |
| Depth Charge; 3001-4000'                                                   |             | 1.00               | EA     | 1,663.20              | 1,663.20       |
| Blending & Mixing Service Charge                                           |             | 200.00             | BAG    | 1.08                  | 215.60         |
| Casing Swivel Rental                                                       |             | 1.00               | EA     | 154.00                | 154.00         |
| Plug Container Util. Chg.                                                  |             | 1.00               | EA     | 192.50                | 192.50         |
| "Service Supervisor, first 8 hrs on loc.                                   |             | 1.00               | EA     | 134.75                | 134.75         |

|                                  |                                      |                      |                  |
|----------------------------------|--------------------------------------|----------------------|------------------|
| <b>PLEASE REMIT TO:</b>          | <b>SEND OTHER CORRESPONDENCE TO:</b> | <b>SUB TOTAL</b>     | <b>13,379.29</b> |
| <b>BASIC ENERGY SERVICES, LP</b> | <b>BASIC ENERGY SERVICES, LP</b>     | <b>TAX</b>           | <b>358.35</b>    |
| <b>PO BOX 841903</b>             | <b>801 CHERRY ST, STE 2100</b>       | <b>INVOICE TOTAL</b> | <b>13,737.64</b> |
| <b>DALLAS, TX 75284-1903</b>     | <b>FORT WORTH, TX 76102</b>          |                      |                  |



10244 NE Hwy. 61  
 P.O. Box 8613  
 Pratt, Kansas 67124  
 Phone 620-672-1201  
 17-19-10

FIELD SERVICE TICKET  
 1718 11148 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

| JOB NO. <u>725-111</u> DISTRICT                          |             | 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>Conoco Exploration &amp; Development LLC</u> |             | LEASE <u>Hager</u>                                                                                                                                                                         |     | C-1 WELL NO.    |     |              |                |    |    |             |
| ADDRESS                                                  |             | COUNTY <u>Rice</u>                                                                                                                                                                         |     | STATE <u>KS</u> |     |              |                |    |    |             |
| CITY STATE                                               |             | SERVICE CREW <u>Josh Aaron Berchert Joel</u>                                                                                                                                               |     |                 |     |              |                |    |    |             |
| AUTHORIZED BY                                            |             | JOB TYPE: <u>CAW LONG STRING</u>                                                                                                                                                           |     |                 |     |              |                |    |    |             |
| EQUIPMENT#                                               | HRS         | EQUIPMENT#                                                                                                                                                                                 | HRS | EQUIPMENT#      | HRS | TRUCK CALLED | DATE           | AM | PM | TIME        |
| <u>107-7656-14475</u>                                    | <u>3.00</u> | <u>1463</u>                                                                                                                                                                                |     |                 |     |              | <u>9-25-10</u> |    |    | <u>0610</u> |
| <u>10755-11913</u>                                       | <u>3.00</u> |                                                                                                                                                                                            |     |                 |     |              | <u>9-25-10</u> |    |    | <u>1500</u> |
| <u>25110</u>                                             |             |                                                                                                                                                                                            |     |                 |     |              |                |    |    | <u>2175</u> |
|                                                          |             |                                                                                                                                                                                            |     |                 |     |              |                |    |    | <u>2115</u> |
|                                                          |             |                                                                                                                                                                                            |     |                 |     |              |                |    |    | <u>1500</u> |
|                                                          |             |                                                                                                                                                                                            |     |                 |     |              |                |    |    | <u>05</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: \_\_\_\_\_  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| CP 105              | 442 cement                            | SK   | 150      |            | 2,550.00  |
| CP 103              | 60/40 POZ                             | SK   | 50       |            | 400.00    |
| CC 102              | cello flake                           | lb   | 36       |            | 15.00     |
| CC 105              | C-41 P                                | lb   | 29       |            | 116.00    |
| CC 111              | salt                                  | lb   | 681      |            | 340.50    |
| CC 112              | CEMENT FRICTION REDUCER               | lb   | 43       |            | 253.00    |
| CC 115              | C-44                                  | lb   | 141      |            | 736.15    |
| CC 129              | FLA-202                               | lb   | 71       |            | 523.50    |
| CC 201              | GILSONITE                             | lb   | 750      |            | 502.50    |
| CF 461              | 5" 100' collar                        | eg   | 1        |            | 3,500.00  |
| CF 607              | Latch Down Plug                       | eg   | 1        |            | 400.00    |
| CF 1251             | Anti Sill Shoe                        | eg   | 1        |            | 300.00    |
| CF 1501             | Turbolizer                            | eg   | 6        |            | 750.00    |
| CF 1401             | Brusher                               | eg   | 1        |            | 290.00    |
| CC 151              | Mud Flush                             | Gal  | 500      |            | 750.00    |

| CHEMICAL / ACID DATA: |  |  |  |
|-----------------------|--|--|--|
|                       |  |  |  |
|                       |  |  |  |
|                       |  |  |  |

|                     |            |  |
|---------------------|------------|--|
| SUB TOTAL           |            |  |
| SERVICE & EQUIPMENT | %TAX ON \$ |  |
| MATERIALS           | %TAX ON \$ |  |
| TOTAL               |            |  |

|                                           |                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------|
| SERVICE REPRESENTATIVE <u>[Signature]</u> | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> |
| (WELL OWNER OPERATOR CONTRACTOR OR AGENT) |                                                                                        |

FIELD SERVICE ORDER NO. \_\_\_\_\_



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

FIELD SERVICE TICKET

1718-11149-A

DATE \_\_\_\_\_ TICKET NO. 1718 11149-A

|                                            |  |                 |  |                                                                                |  |                                                                                         |  |                     |  |
|--------------------------------------------|--|-----------------|--|--------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|---------------------|--|
| NAME OF JOB: 7-25-14                       |  | DISTRICT: Pratt |  | 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: Conroe Exploration & Development |  |                 |  | LEASE: Hggel                                                                   |  | C-1                                                                                     |  | WELL NO.:           |  |
| ADDRESS:                                   |  |                 |  | COUNTY: Pottawatomie                                                           |  | STATE: KS                                                                               |  |                     |  |
| CITY:                                      |  |                 |  | STATE:                                                                         |  | SERVICE CREW:                                                                           |  |                     |  |
| AUTHORIZED BY:                             |  |                 |  | JOB TYPE:                                                                      |  |                                                                                         |  |                     |  |

| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED               | DATE | AM | PM | TIME |
|------------|-----|------------|-----|------------|-----|----------------------------|------|----|----|------|
|            |     |            |     |            |     | ARRIVED AT JOB             |      |    |    |      |
|            |     |            |     |            |     | START OPERATION            |      |    |    |      |
|            |     |            |     |            |     | FINISH OPERATION           |      |    |    |      |
|            |     |            |     |            |     | RELEASED                   |      |    |    |      |
|            |     |            |     |            |     | MILES FROM STATION TO WELL |      |    |    |      |

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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| E 100               | Mileage Pickups                       | Mi   | 65       |            | 276.25    |
| E 101               | Heavy Mileage                         | Mi   | 130      |            | 910.00    |
| E 113               | TRUCK DELIVERY                        | TRM  | 595      |            | 1,315.60  |
| CE 244              | TRUCK COURSE                          | Yhr  | 1        |            | 2,160.00  |
| ZE 240              | MIXING CHARGE                         | SK   | 200      |            | 280.00    |
| CE 501              | SIGING SUPPLY                         | EG   | 1        |            | 200.00    |
| CE 504              | PLUG/CONTAINER                        | JCB  | 1        |            | 250.00    |
| S 007               | SUPPLY 41300                          | EG   | 4        |            | 175.00    |

| CHEMICAL / ACID DATA: |  |  |
|-----------------------|--|--|
|                       |  |  |
|                       |  |  |
|                       |  |  |

|                     |            |
|---------------------|------------|
| SUB TOTAL           | 13,329.29  |
| SERVICE & EQUIPMENT | %TAX ON \$ |
| MATERIALS           | %TAX ON \$ |
| TOTAL               |            |

SERVICE REPRESENTATIVE: [Signature]  
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)



gy services, L.P.

**TREATMENT REPORT**

Lease No. Carrie Exploration & Development LLC Date \_\_\_\_\_  
 Well # C-1  
 Field Order # 11148 Station Pratt Casing 5 1/2 Depth \_\_\_\_\_ County Rice State KS  
 Type Job GNW Long string Formation \_\_\_\_\_ Legal Description 17-19-10

| PIPE DATA       |              | PERFORATING DATA |    | FLUID USED |  | TREATMENT RESUME |       |                  |
|-----------------|--------------|------------------|----|------------|--|------------------|-------|------------------|
| Casing Size     | Tubing Size  | Shots/Ft         |    | Acid       |  | RATE             | PRESS | ISIP             |
| <u>5 1/2</u>    |              |                  |    | Pre Pad    |  | Max              |       | 5 Min.           |
| Depth           | 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      | Packer Depth | From             | To |            |  |                  |       |                  |

Customer Representative \_\_\_\_\_ Station Manager Kevin Treater Joe  
 Service Units 27463 70959 19915 28443 ~~77656~~ ~~1446~~ 27463  
 Driver Names Joe Archie Beachey Joe Josh

| Time        | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate     | Service Log                           |
|-------------|-----------------|-----------------|--------------|----------|---------------------------------------|
| <u>1815</u> |                 |                 |              |          | <u>ONLOC / safety meeting</u>         |
|             |                 |                 |              |          | <u>Run 106 JTS of 5 1/2 csg @</u>     |
|             |                 |                 |              |          | <u>cen. on 1-3-# 7-9 - 63</u>         |
|             |                 |                 |              |          | <u>Basket on 3 - 63</u>               |
|             |                 |                 |              |          | <u>Particolar set @ 1475"</u>         |
| <u>1845</u> |                 |                 |              |          | <u>Start running csg</u>              |
| <u>1920</u> |                 |                 |              |          | <u>csg on bottom 7' with Rig</u>      |
|             |                 |                 |              |          | <u>Hook up to Pump TBIS start job</u> |
| <u>2145</u> | <u>100</u>      |                 | <u>5</u>     | <u>5</u> | <u>had spacer</u>                     |
|             |                 |                 | <u>12</u>    | <u>5</u> | <u>mix mud flush</u>                  |
|             |                 |                 | <u>5</u>     | <u>5</u> | <u>had spacer</u>                     |
|             | <u>200</u>      |                 | <u>31</u>    | <u>5</u> | <u>mix 150 SK of AA2 cen. @ 15.3'</u> |
|             |                 |                 | <u>5</u>     | <u>5</u> | <u>shut down clear pump lines</u>     |
|             | <u>200</u>      |                 | <u>5</u>     | <u>6</u> | <u>Release plug start had dist.</u>   |
|             | <u>400</u>      |                 | <u>55</u>    | <u>6</u> | <u>LIST PSF</u>                       |
|             | <u>500</u>      |                 | <u>72</u>    | <u>4</u> | <u>slow rate</u>                      |
| <u>2215</u> | <u>1500</u>     |                 | <u>82</u>    | <u>5</u> | <u>plug down</u>                      |
|             |                 |                 |              |          | <u>plug BH 1MH</u>                    |
|             |                 |                 |              |          | <u>JOB COMPLETE</u>                   |
|             |                 |                 |              |          | <u>Thanks you Joe</u>                 |