



DRILL STEM TEST REPORT

Prepared For: **GLOBE OPERATING INC.**

P.O. BOX 12
GREAT BEND, KANSAS 67530

ATTN: JASON ALM

DEWERFF 2

12-22S-12W STAFFORD

Start Date: 2017.03.12 @ 23:29:00

End Date: 2017.03.13 @ 04:00:00

Job Ticket #: 01159 DST #: 3

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2017.03.14 @ 01:35:28



DRILL STEM TEST REPORT

GLOBE OPERATING INC.

12-22S-12W STAFFORD

P.O. BOX 12
GREAT BEND, KANSAS 67530

DEWERFF 2

Job Ticket: 01159

DST#: 3

ATTN: JASON ALM

Test Start: 2017.03.12 @ 23:29:00

GENERAL INFORMATION:

Formation: **SIMPSON**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:11:00

Time Test Ended: 04:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3690.00 ft (KB) To 3746.00 ft (KB) (TVD)**

Reference Elevations: 1876.00 ft (KB)

Total Depth: 3746.00 ft (KB) (TVD)

1868.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 9139

Inside

Press@RunDepth: 281.12 psia @ 3742.14 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.03.12

End Date:

2017.03.13

Last Calib.: 1899.12.30

Start Time: 23:30:00

End Time:

03:59:30

Time On Btm: 2017.03.13 @ 01:11:00

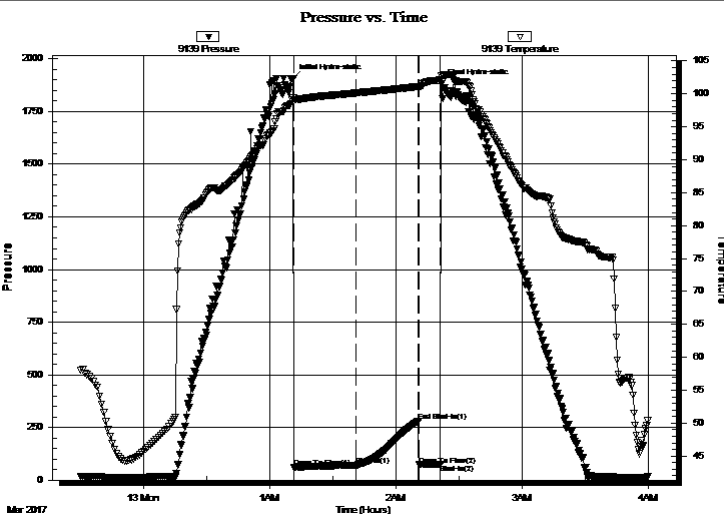
Time Off Btm: 2017.03.13 @ 02:21:30

TEST COMMENT: 1ST OPENING 30 MINUTES WEAK BLOW FOR 12 MINUTES AND DIED

1ST SHUT-IN 30 MINUTES NO BLOW BACK

2ND OPENING 10 MINUTES NO BLOW PULLED TEST TOOL

2ND SHUT-IN NONE TAKEN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1907.01	99.38	Initial Hydro-static
1	60.44	99.01	Open To Flow (1)
30	71.63	100.13	Shut-In(1)
60	281.12	101.11	End Shut-In(1)
60	72.41	101.07	Open To Flow (2)
70	74.91	102.08	Shut-In(2)
71	1881.54	102.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	MUD	0.28

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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GLOBE OPERATING INC.

12-22S-12W STAFFORD

P.O. BOX 12
GREAT BEND, KANSAS 67530

DEWERFF 2

Job Ticket: 01159

DST#: 3

ATTN: JASON ALM

Test Start: 2017.03.12 @ 23:29:00

GENERAL INFORMATION:

Formation: **SIMPSON**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:11:00

Time Test Ended: 04:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3690.00 ft (KB) To 3746.00 ft (KB) (TVD)**

Reference Elevations: 1876.00 ft (KB)

Total Depth: 3746.00 ft (KB) (TVD)

1868.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **91716** Outside

Press@RunDepth: 280.43 psia @ 3742.14 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.03.12

End Date: 2017.03.13

Last Calib.: 2017.03.13

Start Time: 23:29:31

End Time: 03:59:01

Time On Btm: 2017.03.13 @ 01:11:01

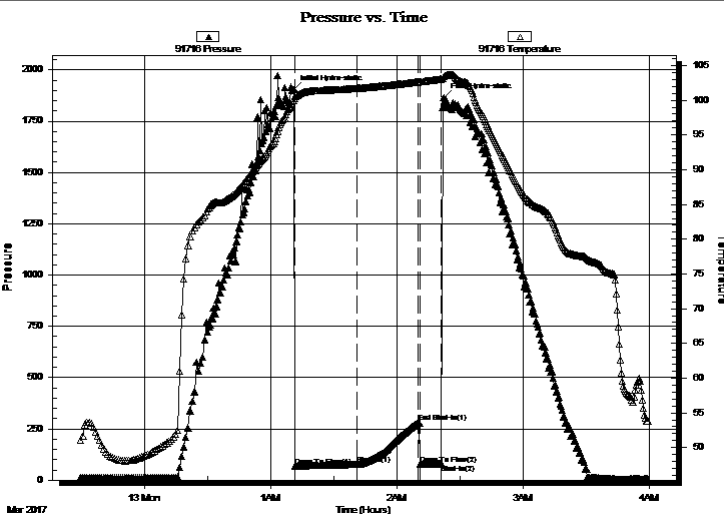
Time Off Btm: 2017.03.13 @ 02:22:01

TEST COMMENT: 1ST OPENING 30 MINUTES WEAK BLOW FOR 12 MINUTES AND DIED

1ST SHUT-IN 30 MINUTES NO BLOW BACK

2ND OPENING 10 MINUTES NO BLOW PULLED TEST TOOL

2ND SHUT-IN NONE TAKEN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1903.90	100.29	Initial Hydro-static
1	67.96	100.53	Open To Flow (1)
30	76.22	101.72	Shut-In (1)
59	280.43	102.66	End Shut-In (1)
60	79.07	102.69	Open To Flow (2)
70	79.24	103.07	Shut-In (2)
71	1865.91	103.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	MUD	0.28

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

GLOBE OPERATING INC.

12-22S-12W STAFFORD

P.O. BOX 12
GREAT BEND, KANSAS 67530

DEWERFF 2

Job Ticket: 01159

DST#: 3

ATTN: JASON ALM

Test Start: 2017.03.12 @ 23:29:00

Tool Information

Drill Pipe:	Length: 3690.00 ft	Diameter: 3.80 inches	Volume: 51.76 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 74000.00 lb
		Total Volume:	51.76 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3690.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.14 ft			
Tool Length:	77.14 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3675.00	
Hydraulic tool	5.00			3680.00	
Top Packer	5.00			3685.00	
Packer	5.00			3690.00	20.00 Bottom Of Top Packer
Anchor	5.00			3695.00	
Change Over Sub	0.75			3695.75	
Drill Pipe	30.64			3726.39	
Change Over Sub	0.75			3727.14	
Anchor	15.00			3742.14	
Recorder	0.00	9139	Inside	3742.14	
Recorder	0.00	91716	Outside	3742.14	
Bullnose	5.00			3747.14	57.14 Anchor Tool

Total Tool Length: 77.14



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FLUID SUMMARY

GLOBE OPERATING INC.

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Job Ticket: 01159

DST#: 3

ATTN: JASON ALM

Test Start: 2017.03.12 @ 23:29:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 9.19 in³

Resistivity: ohm.m

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	MUD	0.281

Total Length: 20.00 ft

Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

