



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 @ 05:37:00

End Date: 2017.03.12 @ 00:00:00

Job Ticket #: 01157 DST #: 2

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

Printed: 2017.03.15 @ 13:43:58



DRILL STEM TEST REPORT

GLOBE OPERATING INC.

12-22S-12W STAFFORD

P.O. BOX 12
GREAT BEND, KANSAS 67530

DEWERFF 2

Job Ticket: 01157

DST#: 2

ATTN: JASON ALM

Test Start: 2017.03.12 @ 05:37:00

GENERAL INFORMATION:

Formation: **LANSING KANSAS CITY**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:29:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3478.00 ft (KB) To 3550.00 ft (KB) (TVD)**

Reference Elevations: 1876.00 ft (KB)

Total Depth: 3550.00 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: 309.90 psia @ 3545.14 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.03.12

End Date:

2017.03.12

Last Calib.: 2017.03.12

Start Time: 05:38:00

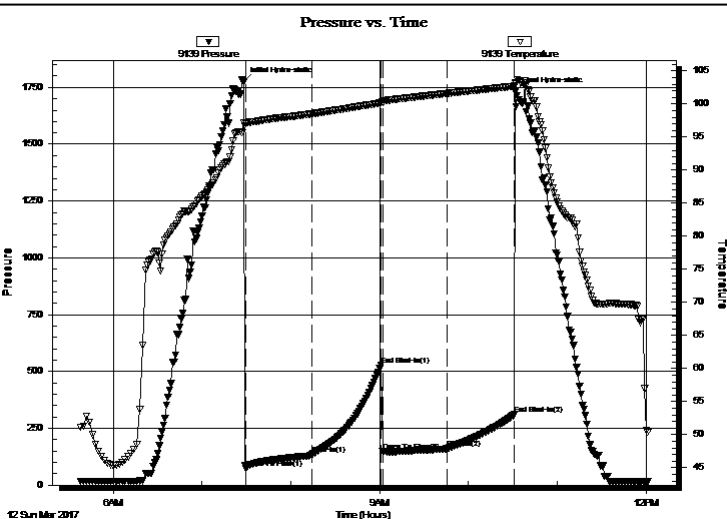
End Time:

12:01:30

Time On Btm: 2017.03.12 @ 07:28:00

Time Off Btm: 2017.03.12 @ 10:31:30

TEST COMMENT: 1ST OPENING 45 MINUTES WEAK BUILDING BLOW BUILT TO BOTTOM OF THE BUCKET IN 32 MINUTES
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 45 MINUTES WEAK BLOW BUILT TO 5 INCHES DECREASED TO WEAKSURFACE BLOW
2ND SHUT-IN 45 MINUTES NO BLOW BACKI



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1773.41	97.19	Initial Hydro-static
2	75.20	97.22	Open To Flow (1)
46	133.61	98.52	Shut-In(1)
93	528.41	100.19	End Shut-In(1)
94	150.17	100.30	Open To Flow (2)
138	160.93	101.60	Shut-In(2)
183	309.90	102.71	End Shut-In(2)
184	1729.60	103.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	THICK MUD	0.28
120.00	MUDDY WATER 50 MUD 50 WATER	1.68
60.00	MUDDY WATER 40 MUD 60 WATER	0.84
0.00	THERE WAS A TRACE OF OIL THROUGH	0.00
0.00	CHLORIDES 41,000	0.00

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
----------------	-----------------	------------------



DRILL STEM TEST REPORT

GLOBE OPERATING INC.

12-22S-12W STAFFORD

P.O. BOX 12
GREAT BEND, KANSAS 67530

DEWERFF 2

Job Ticket: 01157

DST#: 2

ATTN: JASON ALM

Test Start: 2017.03.12 @ 05:37:00

GENERAL INFORMATION:

Formation: **LANSING KANSAS CITY**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:29:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3478.00 ft (KB) To 3550.00 ft (KB) (TVD)**

Reference Elevations: 1876.00 ft (KB)

Total Depth: 3550.00 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: 310.56 psia @ 3545.14 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.03.12

End Date:

2017.03.12

Last Calib.:

2017.03.12

Start Time: 05:37:30

End Time:

12:01:00

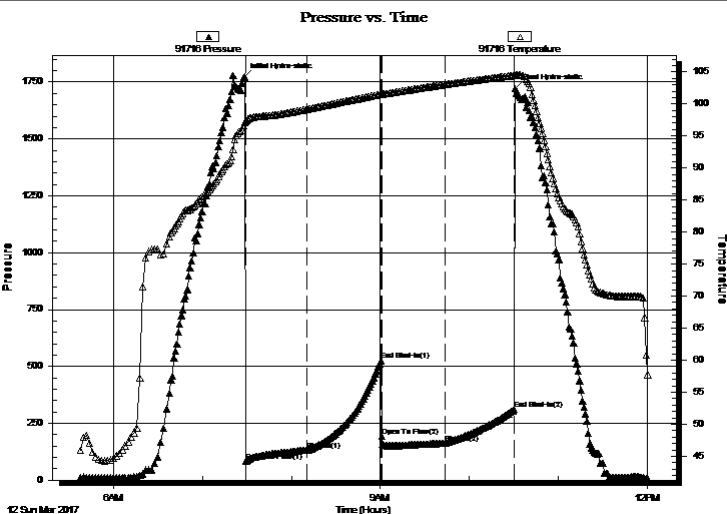
Time On Btm:

2017.03.12 @ 07:27:30

Time Off Btm:

2017.03.12 @ 10:31:00

TEST COMMENT: 1ST OPENING 45 MINUTES WEAK BUILDING BLOW BUILT TO BOTTOM OF THE BUCKET IN 32 MINUTES
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 45 MINUTES WEAK BLOW BUILT TO 5 INCHES DECREASED TO WEAKSURFACE BLOW
2ND SHUT-IN 45 MINUTES NO BLOW BACKI



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1769.09	96.58	Initial Hydro-static
2	83.43	97.29	Open To Flow (1)
43	131.78	99.14	Shut-In(1)
93	525.66	101.55	End Shut-In(1)
94	193.26	101.55	Open To Flow (2)
136	161.98	103.02	Shut-In(2)
183	310.56	104.44	End Shut-In(2)
184	1721.03	104.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	THICK MUD	0.28
120.00	MUDDY WATER 50 MUD 50 WATER	1.68
60.00	MUDDY WATER 40 MUD 60 WATER	0.84
0.00	THERE WAS A TRACE OF OIL THROUGHOUT	0.00
0.00	CHLORIDES 41,000	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



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: 01157

DST#: 2

ATTN: JASON ALM

Test Start: 2017.03.12 @ 05:37:00

Tool Information

Drill Pipe:	Length:	3471.00 ft	Diameter:	3.80 inches	Volume:	48.69 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:	62000.00 lb
					Total Volume:	48.69 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft							
Depth to Top Packer:	3478.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	72.14 ft							
Tool Length:	92.14 ft							
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3463.00	
Hydraulic tool	5.00			3468.00	
Top Packer	5.00			3473.00	
Packer	5.00			3478.00	20.00 Bottom Of Top Packer
Anchor	5.00			3483.00	
Change Over Sub	0.75			3483.75	
Drill Pipe	30.64			3514.39	
Change Over Sub	0.75			3515.14	
Anchor	30.00			3545.14	
Recorder	0.00	9139	Inside	3545.14	
Recorder	0.00	91716	Outside	3545.14	
Bullnose	5.00			3550.14	72.14 Anchor Tool

Total Tool Length: 92.14



DRILL STEM TEST REPORT

FLUID SUMMARY

GLOBE OPERATING INC.

12-22S-12W STAFFORD

P.O. BOX 12
GREAT BEND, KANSAS 67530

DEWERFF 2

Job Ticket: 01157

DST#: 2

ATTN: JASON ALM

Test Start: 2017.03.12 @ 05:37:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.17 in³

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psia

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	THICK MUD	0.281
120.00	MUDDY WATER 50 MUD 50 WATER	1.683
60.00	MUDDY WATER 40 MUD 60 WATER	0.842
0.00	THERE WAS A TRACE OF OIL THROUGH OUT	0.000
0.00	CHLORIDES 41,000	0.000

Total Length: 200.00 ft

Total Volume: 2.806 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

