# PLOTTED GEOLOGICAL LOG

# **WellSight Systems**

Scale 1:240 (5"=100') Imperial

Well Name: BUSENITZ #1-28

Location: 670' FSL & 1666' FEL of Sec. 28-T24S-R3E

Licence Number: API # 15-015-24130-00-00 Region: Butler County, Kansas

Spud Date: 10/21/2019 **Drilling Completed: 10/26/19** 

Surface Coordinates: Lat: 37.9289468, Long: -97.1028658 (NAD27)

**Bottom Hole Vertical Well** 

Coordinates:

Ground Elevation (ft): 1375' K.B. Elevation (ft): 1384' Logged Interval (ft): 1700' To: 2965 Total Depth (ft): 2965

Formation: Mississipi

Type of Drilling Fluid: Chemical Mud by Fud-Mud

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.con

## **OPERATOR**

Company: AGV Corp. Address: P.O. Box 377

Attica, KS 67009

#### **GEOLOGIST**

Name: Kent Roberts

Company: Roberts Resources, Inc.

Address: P.O. Box 75187

Wichita, KS 67275 Cell 316-215-1683

## **BIT INFORMATION**

#1 - 12-1/4 Atlas. Cut 271' in 2 Hrs

#2 - 7-7/8 Reed 613 PDC, Out at 1423, Cut 1152' in 24 3/4 hrs. Pulled Early, Would not drill

#3 - 7-7/8 Atlas 516 PDC, Out at 2965, Cut 1542' in 19-3/4 hrs

## **INFORMATION**

DRILLING CONTRACTOR: C&G Drilling Co., Rig #2

MUD TYPE: Chemical by Fud-Mud

DRILLING TIME KEPT FROM: 1700' to RTD

SAMPLES SAVED FROM: 1700' to RTD

SAMPLES EXAMINED FROM: 1700' to RTD

GEOLOGICAL SUPERVISION FROM: 2130' to RTD

ELECTRICAL SURVEYS: CDL/CNL, DIL, MEL, Sonic by ELI

## **DAILY ACTIVITY @ 0700 HRS**

## 10/21/2019

Spud well @ 10:30 AM. Cut 12-1/4" hole to 272', Ran 6 joints 8-5/8" tally 256.60' set at 267' (2' below ground level). Cemented w/ 135 sacks cement (2% gel, 3% CC) Plug down at 4:15 PM. Cement did circulate.

#### 10/22/2019

Depth 323', Down for repairs. Drill out under surface @ 1:00 AM. Drill to 323 and mud line high pressure union washed out. Down for repairs from 2:30 AM until 8:00 AM, repairs made and back drilling.

#### 10/23/2019

Depth 1292', Drilling. Made bit trip @ 1422'. 10:50 AM to 1:15 PM. Deviation 1 degree. Hole did not pull tight on trip.

## 10/24/2019

Depth 2440'. Short trip and prepare for DST #1 in Kansas City (Dennis & Swope Limestones)

#### 10/25/2019

Depth 2778'. Deviation 1 degree. On bottom with DST #2 in Mississippi Dolomite

#### 10/26/19

Depth 2965', Trip out of hole for E-Logs. RTD @ 5:45 AM, CTCH 1-hr. Preparing to run 5-1/2" casing for production.

## **CASING DATA**

**CONDUCTOR CASING: None** 

SURFACE CASING: 8-5/8" set @ 267' w/ 135 sacks

PRODUCTION: 5.5 x 15.5# set @ 2961' KB

# **COMMENTS**

Based on sample analysis, drill stem tests and electric logs it is recommended casing be ran for completion in the Mississippi Dolomite.

WELL NAME: Busenitz 1-28 ELEV. G.L.= 1375

K.B.= 1384

FORMATION TOPS	Sample		E- I	E- Log	
HEEBNER SHALE	1760	-376	1772	-388	
LANSING	2051	-667	2050	-666	
BASE LANSING	2184	-800	2182	-798	
KANSAS CITY	2323	-939	2320	-936	
<b>BASE KANSAS CITY</b>	2477	-1093	2476	-1092	
MISSISSIPPI	2761	-1377	2759	-1375	
HUNTON	NOT PE	NETRAT	ED		
VIOLA	NOT PE	NETRAT	ED		
SIMPSON SAND	NOT PE	NETRAT	ED		
ARBUCKLE	NOT PE	NETRAT	ED		
TOTAL DEPTH	2965	-1581	2965	-1581	



# DRILL STEM TEST REPORT

AGV Corporation

28/24S/3E Butler, KS

Busenitz #1-28

Unit No:

P.O. Box 377 Attica, KS. 67009-0377 ATTN: Kent Roberts

Job Ticket: 65408 DST#:1

Test Start: 2019.10.24 @ 10:19:00

80

#### GENERAL INFORMATION:

Formation: Kansas City, Dennis

Test Type: Conventional Bottom Hole (Initial) Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:32:00 Jimmy Ricketts Tester:

Time Test Ended: 17:23:00

2370.00 ft (KB) To 2440.00 ft (KB) (TVD) Interval:

Total Depth: 2440.00 ft (KB) (TVD) Reference Bevations: 1384.00 ft (KB) 1375.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8369 Outside

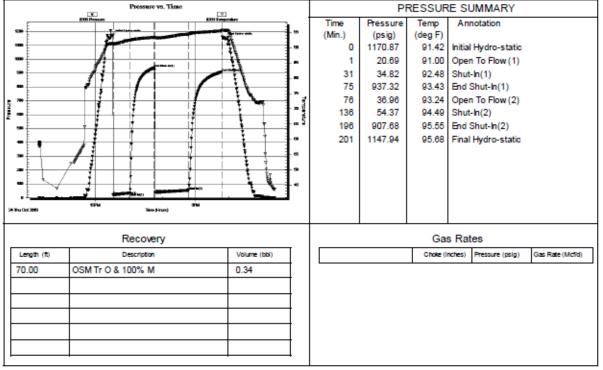
Press@RunDepth: 54.37 psig @ 2371.00 ft (KB) 8000.00 psig Capacity:

Start Date: 2019.10.24 2019.10.24 End Date: Last Calib.: 1899.12.30 Start Time: 10:19:01 End Time: 17:23:00 Time On Btm: 2019.10.24 @ 12:31:10 Time Off Btm: 2019.10.24 @ 15:51:39

TIMES: 30-45-60-60

TEST COMMENT: IF - Weak blow building to 3 1/2 inches during initial flow period.

FF - Weak blow building to 1 1/2 inches during final flow period.



Trilobite Testing, Inc Ref. No: 65408 Printed: 2019.10.26 @ 17:40:48



## DRILL STEM TEST REPORT

AGV Corporation

28/24S/3E Butler, KS

123 North Main P.O. Box 377

Busenitz #1-28 Job Ticket: 65409

Attica, KS. 67009-0377 ATTN: Kent Roberts

DST#:2 Test Start: 2019.10.25 @ 02:43:00

GENERAL INFORMATION:

Formation: Mississippian

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 04:37:00 Tester: Jimmy Ricketts

Time Test Ended: 10:26:50 Unit No:

2768.00 ft (KB) To 2778.00 ft (KB) (TVD) Interval:

Reference Bevations: 1384.00 ft (KB) Total Depth: 2778.00 ft (KB) (TVD) 1375.00 ft (CF)

7.88 inches Hole Condition: Fair KB to GR/CF: Hole Diameter: 9.00 ft

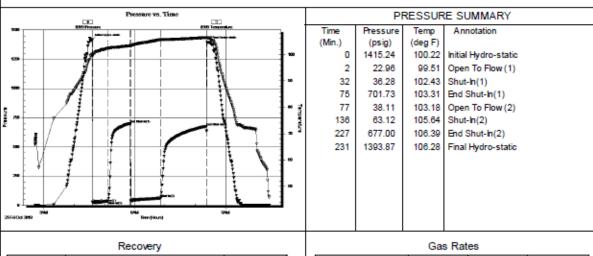
Serial #: 8369 Outside

Press@RunDepth: 63.12 psig @ 2769.00 ft (KB) Capacity: 8000.00 psig Start Date: 2019.10.25 2019.10.25 Last Calib : 1899 12 30 End Date: Start Time: 02:43:01 End Time: 10:26:50 Time On Btm: 2019.10.25 @ 04:35:50 Time Off Btm: 2019.10.25 @ 08:26:30

TIMES: 30-45-60-90

TEST COMMENT: IF - Weak blow building to 10 inches during initial flow period.

FF - Weak blow building to strong blow 22 minutes into final flow period. Continuing to build to 24 inches.



Length (ft)	Description	Volume (bbi)		
60.00	GHOCM 17% G 39% O & 44% M	0.30		
60.00	Clean oil 100%O	0.30		
255.00	Gas in pipe 100%G	2.99		
	1			

Gas Rates						
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfld)			

Ref. No: 65409 Printed: 2019.10.26 @ 17:42:07 Trilobite Testing, Inc.



# DRILL STEM TEST REPORT

AGV Corporation

28/24S/3E Butler, KS

Busenitz #1-28

Unit No:

123 North Main P.O. Box 377 Attica, KS. 67009-0377

Job Ticket: 65410 DST#:3

Test Start: 2019.10.25 @ 18:30:00

GENERAL INFORMATION:

Formation: Mississippian

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 20:06:40 Tester: Jimmy Ricketts

Time Test Ended: 00:17:39

Interval:

80 Reference Bevations: 1384.00 ft (KB)

2790.00 ft (KB) To 2806.00 ft (KB) (TVD) Total Depth: 2806.00 ft (KB) (TVD)

1375.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

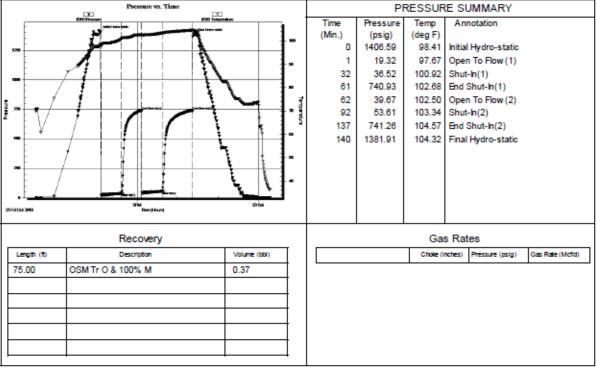
Serial #: 8369 Outside

53.61 psig @ 2791.00 ft (KB) Press@RunDepth: Capacity: 8000.00 psig Start Date: 2019.10.25 End Date: 2019.10.26 Last Calib.: 1899.12.30 End Time: 00:17:40 Time On Btm: 2019.10.25 @ 20:05:50 Start Time: 18:30:01 Time Off Btm: 2019.10.25 @ 22:25:50

TIMES: 30-30-30-45

TEST COMMENT: IF - Weak blow building to 1/2 inch during initial flow period.

FF - Weak blow building to 1/2 inch during final flow period.



Trilobite Testing, Inc Ref. No: 65410 Printed: 2019.10.26 @ 17:43:32

