



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: AJ1-23 DST2

TIME ON: 09:35
TIME OFF: 22:37

Company Quail Oil & Gas Lease & Well No. AJ #1-23
Contractor Maverick #106 Charge to Quail Oil & Gas
Elevation 2039 KB Formation Viola Effective Pay 7 Ft. Ticket No. S0478
Date 8-14-14 Sec. 23 Twp. 32 S Range 21 W County Clark State KANSAS
Test Approved By Aarron Young Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 6381 ft. to 6410 ft. Total Depth 6410 ft.

Packer Depth 6375 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 6381 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 6361 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 6384 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 60 Drill Collar Length -- ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 11.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 4,500 P.P.M. Drill Pipe Length 6348 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out YES Anchor Length 29 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: BB Immediately (Gas to surface in 4 min) BBBB

2nd Open: BB Immediately BBBB

Recovered _____ ft. of GTS in 4 min

Recovered 704 ft. of CO 100% O (10 bbls. (circ to truck) Gravity: 38 @ 60 degrees F

Recovered 700 ft. of CO 100% O (estimate lost down hole)

Recovered 342 ft. of SLOCMCW 2% O 81% W 17% M

Recovered 1746 ft. of TOTAL FLUID

Recovered _____ ft. of PH: 7 RW: .08 @ 82 degrees F

Remarks: CHLORIDES: 76,000 ppm

TOOL SAMPLE: Blew out Estimated Perocity: 12%

Time Set Packer(s) 12:40 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 4:25 PM ^{A.M.}/_{P.M.} Maximum Temperature 139

Initial Hydrostatic Pressure..... (A) 3112 P.S.I.

Initial Flow Period..... Minutes 30 (B) 269 P.S.I. to (C) 401 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 1556 P.S.I.

Final Flow Period..... Minutes 45 (E) 457 P.S.I. to (F) 667 P.S.I.

Final Closed In Period..... Minutes 90 (G) 1375 P.S.I.

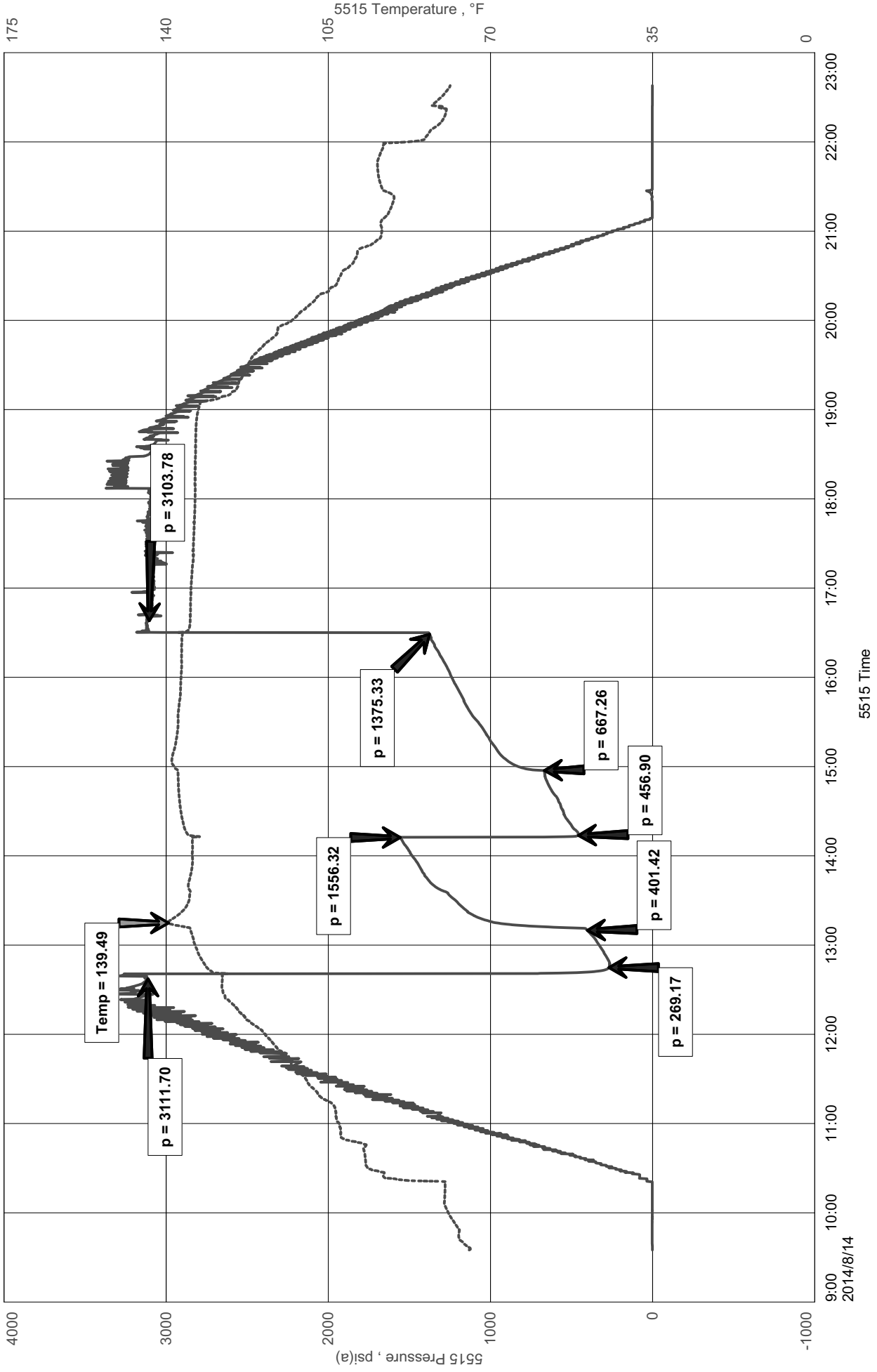
Final Hydrostatic Pressure..... (H) 3104 P.S.I.

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.

Quail Oil & Gas
DST #2 Viola 6381-6410'
Start Test Date: 2014/08/14
Final Test Date: 2014/08/14

AJ #1-23
Formation: DST #2 Viola 6381-6410'
Pool: Infield
Job Number: S0478

AJ #1-23



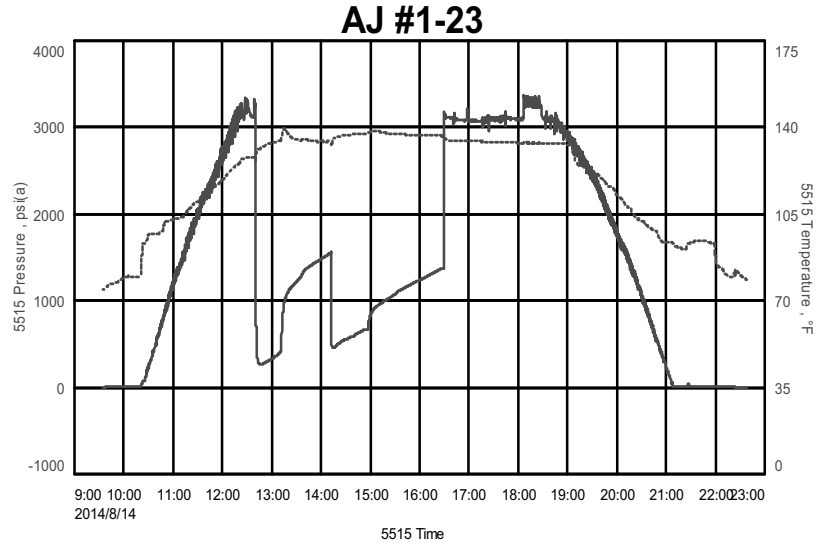
Diamond Testing LLC

General Information Report

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

General Information

Company Name Quail Oil & Gas
Contact Wray Valentine
Well Name AJ #1-23
Unique Well ID DST #2 Viola 6381-6410'
Surface Location SEC 23-32S-21W Clark County
Field Morrison Northwest
Well Type Vertical
Test Type Drill Stem Test
Formation DST #2 Viola 6381-6410'
Well Fluid Type 01 Oil
Start Test Date 2014/08/14
Start Test Time 09:35:00
Final Test Date 2014/08/14
Final Test Time 22:37:00
Job Number S0478
Representative Jacob McCallie
Report Date 2014/08/14
Qualified By Aaron Young



Test Results

RECOVERY:

GTS in 4 min

704'	CO	100% O	(10 bbls. circ to truck)	GRAVITY: 38 @ 60 degrees F
700'	CO	100% O	(estimate lost down hole)	
342'	SLOCMCW	2% O 81%W 17% M		
1746'	TOTAL FLUID			

PH: 7

RW: .08 @ 82 degrees F

Chlorides: 76,000 ppm

Est. Perocity: 12%

TOOL SAMPLE:

Blew out