



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: AJ1-23 DST1

TIME ON: 8-10 21:46
TIME OFF: 8-11 06:29

Company Quail Oil & Gas Lease & Well No. AJ #1-23
Contractor Maverick #106 Charge to Quail Oil & Gas
Elevation 2039 KB Formation Marrow Effective Pay -- Ft. Ticket No. S0477
Date 8-11-14 Sec. 23 Twp. 32 S Range 21 W County Clark State KANSAS
Test Approved By Aarron Young Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 5257 ft. to 5284 ft. Total Depth 5284 ft.

Packer Depth 5251 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 5257 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5237 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5260 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 64 Drill Collar Length -- ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 8.4 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 4900 P.P.M. Drill Pipe Length 5224 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 NO Anchor Length 27 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 3 min) NOBB

2nd Open: BB Immediately NOBB

Recovered _____ ft. of Gas to Surface

Recovered 186 ft. of SLMCW 93% W 7% M

Recovered 186 ft. of TOTAL FLUID

Recovered 122 ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of PH: 7 RW: .12 @ 69 degrees F

Remarks: CHLORIDES: 59,000 ppm

TOOL SAMPLE: Blew Out

Time Set Packer(s) 1:14 AM A.M. Time Started Off Bottom 2:49 AM A.M. Maximum Temperature 119

Initial Hydrostatic Pressure..... (A) 2606 P.S.I.

Initial Flow Period..... Minutes 20 (B) 617 P.S.I. to (C) 718 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 1588 P.S.I.

Final Flow Period..... Minutes 15 (E) 662 P.S.I. to (F) 781 P.S.I.

Final Closed In Period..... Minutes 30 (G) 1586 P.S.I.

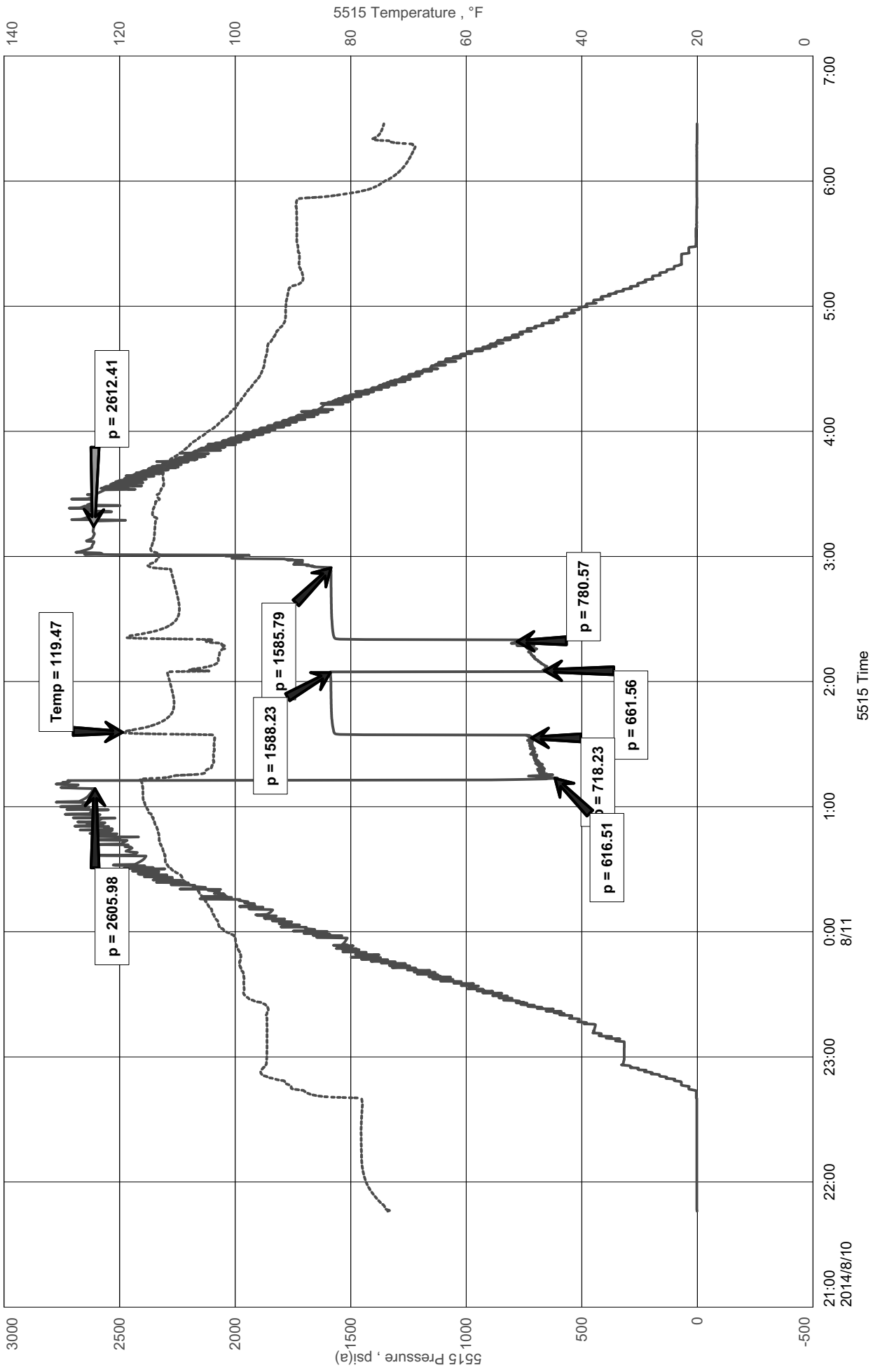
Final Hydrostatic Pressure..... (H) 2612 P.S.I.

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 #1 Marrow 5257-5284'
Start Test Date: 2014/08/10
Final Test Date: 2014/08/11

AJ #1-23
Formation: DST #1 Marrow 5257-5284'
Pool: Infield
Job Number: S0477

AJ #1-23



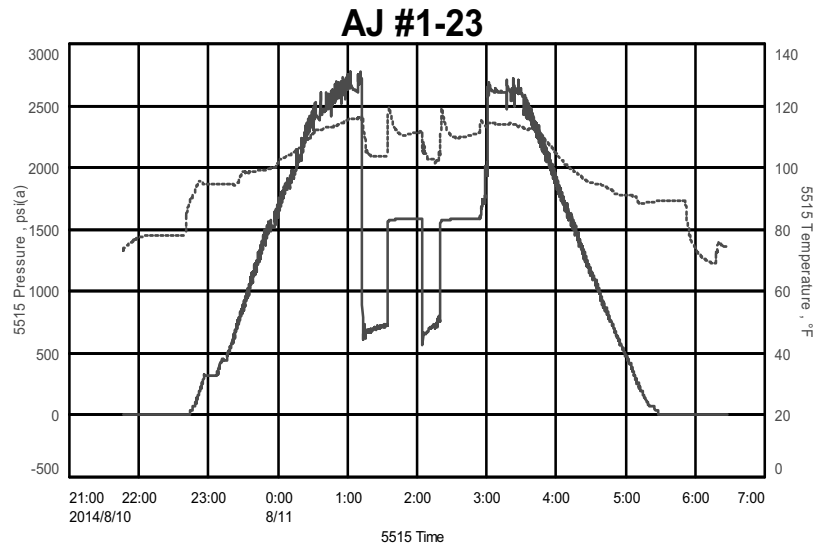
Diamond Testing LLC

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 #1 Marrow 5257-5284'
Surface Location SEC 23-32S-21W Clark County
Field Morrison Northwest
Well Type Vertical
Test Type Drill Stem Test
Formation DST #1 Marrow 5257-5284'
Well Fluid Type 02 Gas
Start Test Date 2014/08/10
Start Test Time 21:46:00
Final Test Date 2014/08/11
Final Test Time 06:29:00
Job Number S0477
Representative Jacob McCallie
Report Date 2014/08/11
Qualified By Aarron Young



Test Results

RECOVERED:

Gas to surface
186' SLMCW 93% W 7% M
186' TOTAL FLUID

PH: 7

RW: .12 @ 69 degrees F
Chlorides: 59,000 ppm

TOOL SAMPLE:

Blew Out