



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STOPPEL1DST2

TIME ON: 10:17
TIME OFF: 16:22

Company Quail Oil & Gas, LC Lease & Well No. Stoppel #1-8
Contractor WW Drlg. Rig # 4 Charge to Quail Oil & Gas, LC
Elevation 1730' KB Formation Lansing "D" Effective Pay _____ Ft. Ticket No. F433
Date 5-31-16 Sec. 8 Twp. _____ 22s S Range _____ 9w W County Reno State KANSAS
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3117 ft. to 3132 ft. Total Depth 3132 ft.
Packer Depth 3112 SH ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3117 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3118 ft. Recorder Number 5591 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3119 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 (.5# LCM) Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 9.15 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,300 P.P.M. Drill Pipe Length 2,967 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J&SJ, ShPkr Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 15 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.

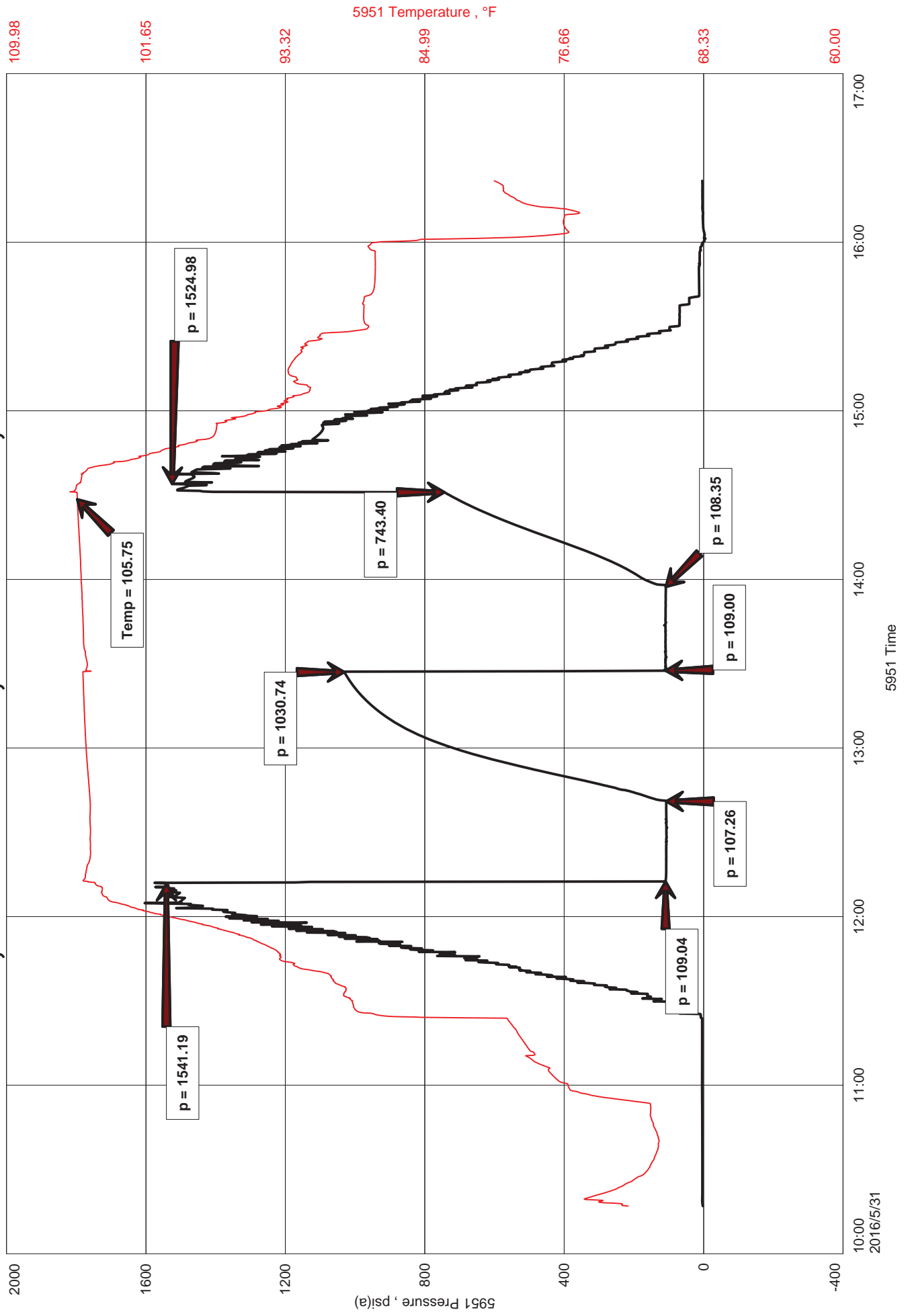
Blow: 1st Open: Lost some mud when open tool, incr wt on packers, bled blow off, surface blow.
2nd Open: No blow.

Recovered <u>190</u> ft. of <u>Drlg Mud</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 12:10 A.M. P.M. Time Started Off Bottom 14:25 A.M. P.M. Maximum Temperature 106 F
Initial Hydrostatic Pressure..... (A) 1541 P.S.I.
Initial Flow Period..... Minutes 30 (B) 109 P.S.I. to (C) 107 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1031 P.S.I.
Final Flow Period..... Minutes 30 (E) 109 P.S.I. to (F) 108 P.S.I.
Final Closed In Period..... Minutes 30 (G) 743 P.S.I.
Final Hydrostatic Pressure..... (H) 1525 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.

DST #2, STOPPEL #1-8, LANSING "D", 3117'-3132'





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

ON LOCATION:	_____
START RECORDERS:	<u>10:17</u>
STOP RECORDERS:	<u>16:22</u>

Company QUAIL OIL & GAS, LC Lease & Well No. STOPPEZ #18
Contractor WW DRLO RIG # 4 Charge to QUAIL OIL & GAS, LC
Elevation 1730' KB Formation LANSING "D" Effective Pay _____ Ft. Ticket No. F433
Date 5-31-16 Sec. 8 Twp. 22 S Range 9W County RENO State KS
Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3117 ft. to 3132 ft. Total Depth 3132 ft.
Packer Depth 3112 ^{SHALE} ~~PACKER~~ Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3117 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3118 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3119 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 49 (1/2 #100M) Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 9.15 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 6300 P.P.M. Drill Pipe Length 2967 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J. S. JNT, 3 PKT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length 15 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: LOST SOME MUD WHEN OPEN TOOL, INCREASE WT, BLEED OFF, SURFACE BLOW
2nd Open: NO BLOW

Recovered <u>190</u> ft. of <u>Dry mud</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges <u>Shale Packer</u>
Remarks: _____	<u>Jars, 5. Joint</u>
	<u>(NO MILES)</u>
	Total

Time Set Packer(s) 12:10 A.M. P.M. Time Started Off Bottom 14:25 A.M. P.M. Maximum Temperature 106 °F

Initial Hydrostatic Pressure..... (A) 1541 P.S.I.
Initial Flow Period..... Minutes 30 (B) 109 P.S.I. to (C) 107 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1031 P.S.I.
Final Flow Period..... Minutes 30 (E) 109 P.S.I. to (F) 108 P.S.I.
Final Closed In Period..... Minutes 30 (G) 743 P.S.I.
Final Hydrostatic Pressure..... (H) 1525 P.S.I. Jake Fahrenbruch

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DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	Stoppel #1-8
Company Name	Quail Oil & Gas, LC
Formation	DST #2, Lansing "D", 3117'-3132'
Test Type	Bottom-Hole w/jars, s. joint, shale packer
Surface Location	Sec 8-22s-9w-Reno-KS
KB Elevation (SL)	1730.000
Gauge Name	5951
Start Test Date	2016/05/31
Start Test Time	10:17:00
Final Test Date	2016/05/31
Final Test Time	16:22:00
Job Number	F433
Contact	Wray Valentine
Site Contact	Roger Martin

TEST RESULTS

Initial flow, lost some mud when open tool, increase weight on packers, bled off blow, surface blow. Final flow, no blow.

DST #2, STOPPEL #1-8, LANSING "D", 3117'-3132'

