

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Customer OVC Oil & Gas, LLC	Lease No.	Date 5/29/2016
Lease Stoppel	Well # 1-8	
Field Order # 13641	Station Pratt, KS	Casing 8 5/8
		Depth 324
		County Reno
		State KS
Type Job CNW/8 5/8 Surface	Formation TD-324	Legal Description 8-22-9

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 324	Depth	From	To	Pre Pad	Max			5 Min.
Volume 20 1/2	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 304	Packer Depth	From	To	Flush Freshwater	Gas Volume			Total Load

Customer Representative Daron Patterson	Station Manager Kevin Goleber	Treater Darin Franklin
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Service Units	92911	84981	19843	19903	73768				
Driver Names	Daron	mike	mike	EJ	EJ				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5/27 9:30am					On Location / Safety meeting
					324' 8 5/8 casing
					250 sk 60/40 P02 - 2% Gel, 3% CC
					1/4# Cellulose, 14.8 ppq, 1.21 vels, 5.18 water
5/28 1:45pm	200		3	5	Pipe on bottom & break circulated on
	200		34	5	Pump 3 bbls water
					Mix 250 sk cement
					Shut down
					Release plug
	200		15	3	Displace with Freshwater
2:15pm					Shut in
					Cement did 10 bbls
					Job complete / Daron & crew
					Thank you!!!



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 13641 A

8-22-9

DATE _____ TICKET NO. _____

DATE OF JOB: 5/28/2016		DISTRICT: Prst1, KS		NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER: QUG, Oil & Gas, LC				LEASE: Stopper					WELL NO. 1-8	
ADDRESS:				COUNTY: Reno			STATE: KS			
CITY:				STATE:						
AUTHORIZED BY:				SERVICE CREW: DGC, Mike McGraw, EJ						
				JOB TYPE: CNW/ 8 5/8 surface						

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19843	1/2						5/27	AM	7:00
73768	1/2						5/27	PM	9:30
							5/28	AM	1:45
							5/28	AM	2:15
							5/28	AM	3:00
						MILES FROM STATION TO WELL	60		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Walter Patton*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 P02	SK	250		
CC102	CelloPisc	Lb	63		
CC109	Calcium Chloride	Lb	645		
CF153	Wooden Cement Plug, 8 5/8	Eg	1		
E100	Unit mileage Chaise - Pickups, small usns, etc.	m.	60		
E101	Heavy Equipment + Mileage	m.	120		
E113	Proppant and Bulk Delivery Chaises ^{per} funnel	Tn/m	645		
CE200	Depn Chaise 10-500'	4hr	1		
CF140	Blending & mixing Severe Chaise	SK	250		
CE504	Plug container w/ 1,250 on Chaise	Job	1		
S003	Service Supervisory First 8 hrs on loc.	Eg	1		
				SUB TOTAL	8,627 85

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
D. SCOUR #2 TOTAL		4,313	93

SERVICE REPRESENTATIVE: *Kevin Frankel* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Dawn Patton*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201
8-22-9

FIELD SERVICE TICKET
1718 13644 A

DATE _____ TICKET NO. _____

DATE OF JOB 6/3/2016 DISTRICT Pratt, KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Quail Oil & Gas, LC		LEASE Stoppel WELL NO 1-8							
ADDRESS _____		COUNTY Reno STATE KS							
CITY _____ STATE _____		SERVICE CREW Darin, Scott, EJ							
AUTHORIZED BY _____		JOB TYPE: CNW/PTA							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
86779	X 4 1/2						6/2	(AM/PM)	11:30
19918	X 3 3/4					ARRIVED AT JOB	6/3	(AM/PM)	2:00
						START OPERATION	6/3	(AM/PM)	2:45
						FINISH OPERATION	6/3	(AM/PM)	7:15
						RELEASED	6/3	(AM/PM)	8:00
						MILES FROM STATION TO WELL	47		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contractor services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 PO2	SK	195		2,340 00
CC102	Cellofilique	Lb	49		181 30
CC200	Cement + Gel	Lb	336		84 00
E100	Unit mileage Chsrse - Pickups Sml lugs & c90	m	60	.	270 00
E101	Heavy Equipment + Mileage	m	120	.	900 00
E113	Proppant gas Bull Delivery Chsrse, per ton/mi	T/m	504	.	1,260 00
CE204	Depth Charge 300' - 4,000'	4hr	1	.	2160 00
CE240	Blending & mixing Service Chsrse	SK	195	.	273 00
SO03	Service Supervisor, first 8 hrs on loc	E9	1	.	175 00
SUB TOTAL					7,643 30

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
Discount	TOTAL	3,821 65

SERVICE REPRESENTATIVE **Darin Kutsch**

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____

FIELD SERVICE ORDER NO. _____

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

Customer Quail Oil & Gas, LC	Lease No.	Date 6/3/2016
Lease Stoppel	Well # 1-8	
Field Order # 13644	Station Pratt, KS	Casing DP-4 1/2
	Depth 3672	County Peno
Type Job CNW/PTA	Formation	State KS
		Legal Description 8-22-9

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Depth	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth 3672	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 52	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush Freshwater/mud	Gas Volume		Total Load	

Customer Representative Sid	Station Manager Kevin Gorzaley	Treater Darin Franklin
Service Units 92911 78982 86779 77686 19918		
Driver Names Darin Scott Scott EJ EJ		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00pm					on location / safety meeting
					3672' - 35sk
2:45pm	200		8	5	Pump 8 bbls water
	200		9	5	mix 35sk cement
	200		3	5	Displace 3 water
	200		43	5	43 bbls mud
					1200' - 35sk
	200		8	5	Pump 8 bbls water
	200		8	5	mix 35sk
	200		10	5	Displace 10 bbls mud
					850' - 35sk
	200		15	5	Pump 15 bbls water
	200		8	5	mix 35sk cement
	200		6	5	Displace 6 bbls water
					350' - 35sk
	200		3	5	Pump 3 bbls water
	200		8	5	mix 35sk
	200		1	5	Displace 1 bbl water
					60' - 25sk
	100		6	3	mix 25sk cement
	50		7	3	Regr hole - 30sk cement

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

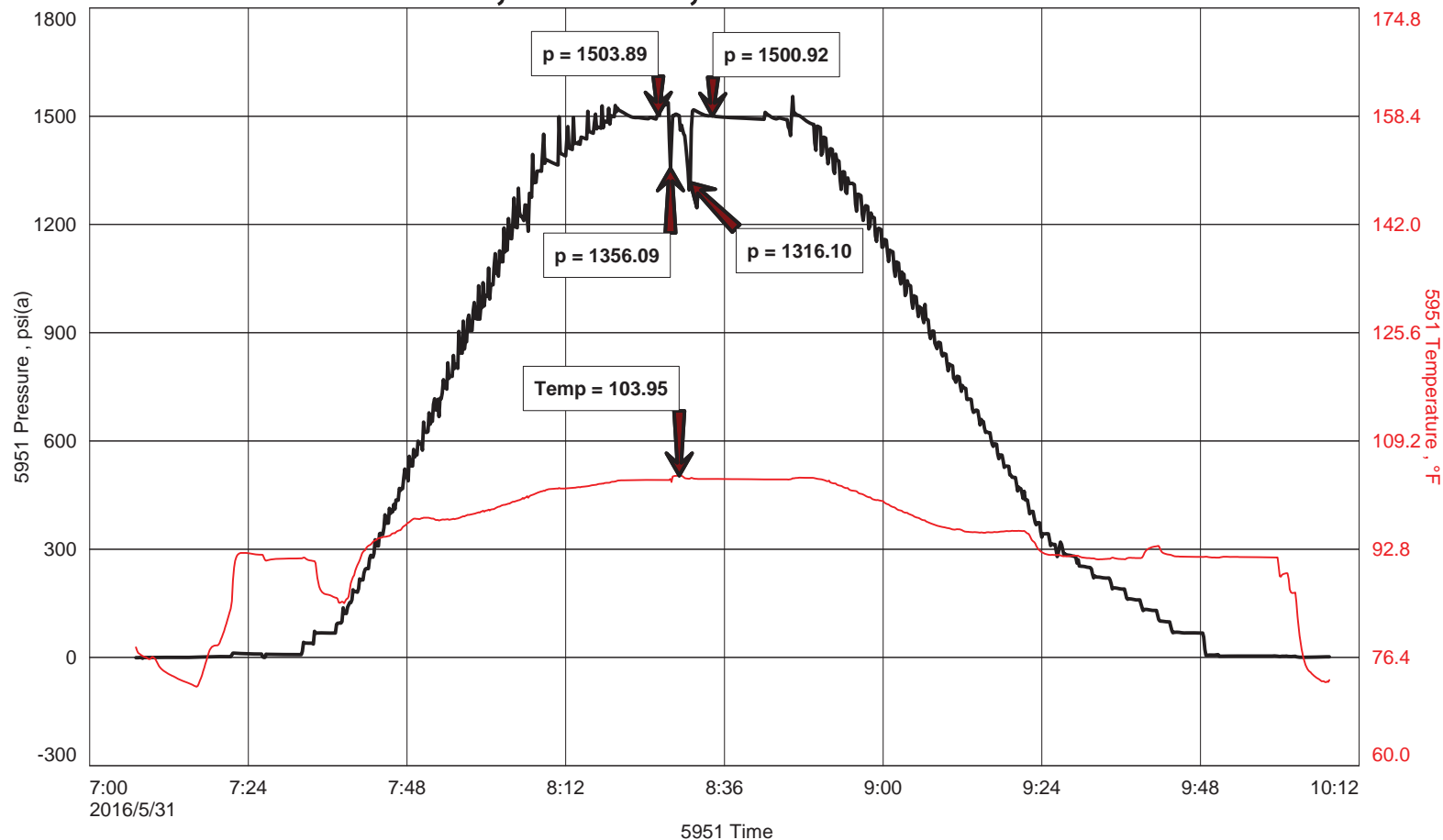
Well Name	Stoppel #1-8
Company Name	Quail Oil & Gas, LC
Formation	Lansing "D" 3107'-3132'
Test Type	Bottom-Hole w/Jars & S. Joint
Surface Location	Sec 8-22s-9w-Reno-KS
KB Elevation (SL)	1730.000
Gauge Name	5951
Start Test Date	2016/05/31
Start Test Time	07:07:00
Final Test Date	2016/05/31
Final Test Time	10:09:00
Job Number	F432
Contact	Wray Valentine
Site Contact	Roger Martin

TEST RESULTS

MIS-RUN

Packer failure upon opening tool.
Packer rubbers were unharmed.

STOPPEL #1-8, DST #1, LANSING "D" 3107'-3132'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

DRILL-STEM TEST TICKET
 FILE: STOPPEL1DST1

ON LOCATION: 05:30
 START RECORDERS: 07:07
 STOP RECORDERS: 10:09

Company QUAIL OIL & GAS, LC Lease & Well No. STOPPEL #1-8
 Contractor WW DRLG RTG #4 Charge to QUAIL OIL & GAS, LC
 Elevation 1730' KB Formation L/KC Effective Pay _____ Ft. Ticket No. F432
 Date 5-31-16 Sec. 8 Twp. 22S Range 9W County RENO State KS
 Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 3107 ft. to 3132 ft. Total Depth 3132 ft.
 Packer Depth 3102 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3107 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3108 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3109 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# LCM) 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 2957 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J&S JNT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 25 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.

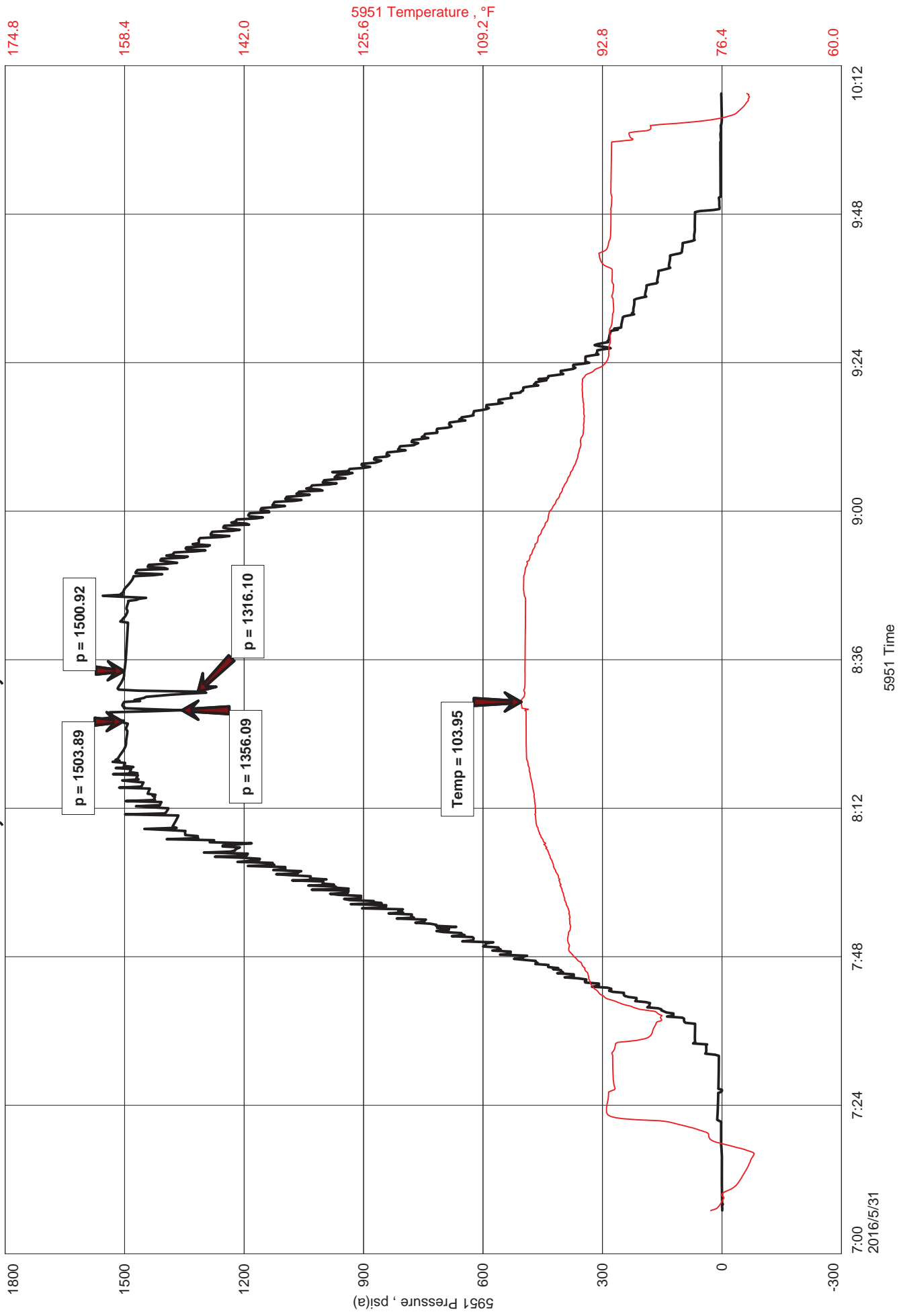
Blow: 1st Open: OPEN TOOL, PACKER FAILURE. PULL TOOL. MIS-RUN.
 2nd Open: _____

Recovered 590' ft. of DRLG MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Price Job MIS-RUN
 Other Charges _____
 Remarks: PACKERS WERE UNHARMED
JARS & S. JNT
111 MRT (PRATT)
 Total _____

Time Set Packer(s) 08:30 A.M. P.M. Time Started Off Bottom 08:35 A.M. P.M. Maximum Temperature 104°F
 Initial Hydrostatic Pressure..... (A) 1504 P.S.I.
 Initial Flow Period..... Minutes (B) 1356 P.S.I. to (C) 1316 P.S.I.
 Initial Closed In Period..... Minutes (D) _____ P.S.I.
 Final Flow Period..... Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
 Final Closed In Period..... Minutes (G) _____ P.S.I.
 Final Hydrostatic Pressure..... (H) 1501 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.

STOPPEL #1-8, DST #1, LANSING "D" 3107'-3132'





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STOPPEL1DST1

TIME ON: 07:07
TIME OFF: 10:09

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. F432
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. 1 Interval Tested from 3107 ft. to 3132 ft. Total Depth 3132 ft.
Packer Depth 3102 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3107 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3108 ft. Recorder Number 5591 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3109 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 2,957 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J&SJ Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 25 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: Open tool, packer failure, pull tool, mis-run.
2nd Open: _____

Recovered <u>590</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) 08:30 A.M. P.M. Time Started Off Bottom 08:35 A.M. P.M. Maximum Temperature 104 F
Initial Hydrostatic Pressure..... (A) 1504 P.S.I.
Initial Flow Period..... Minutes (B) 1356 P.S.I. to (C) 1316 P.S.I.
Initial Closed In Period..... Minutes (D) _____ P.S.I.
Final Flow Period..... Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) 1501 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.



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 190 ft. of Drlg Mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

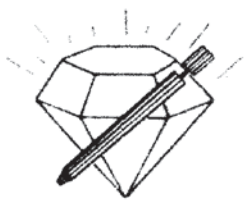
Time Set Packer(s) 12:10 A.M. P.M. Time Started Off Bottom 14:25 A.M. P.M. Maximum Temperature 106 F

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: 10:17
 STOP RECORDERS: 16:22

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

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.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



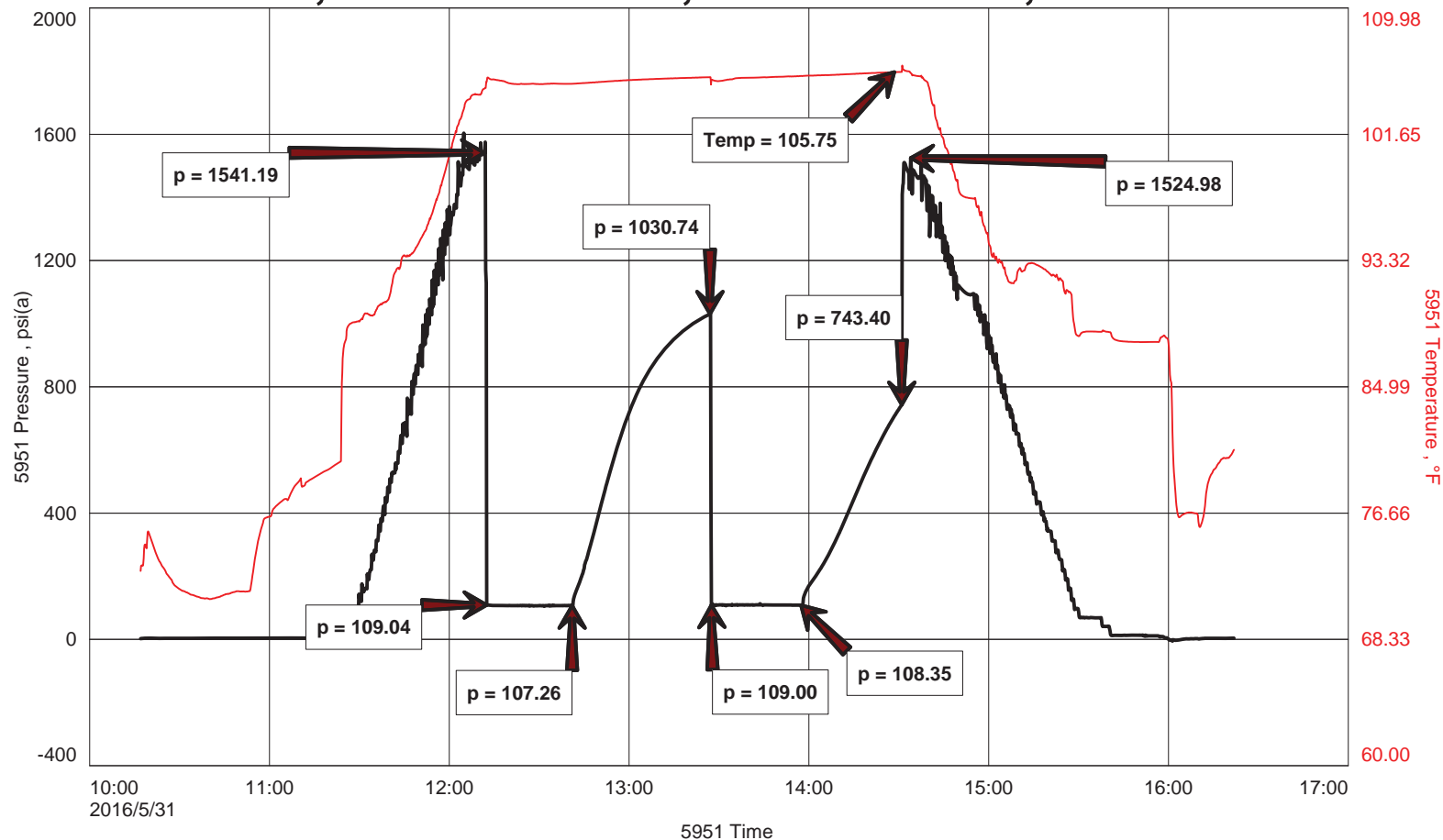
TEST INFORMATION

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'





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: **STOPPEL1DST3**

TIME ON: 02:19
TIME OFF: 08:49

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 Simpson SS Effective Pay _____ Ft. Ticket No. F434
Date 6-2-16 Sec. 8 Twp. 22s S Range 9w W County Reno State KANSAS
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 3590 ft. to 3615 ft. Total Depth 3615 ft.
Packer Depth 3585 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3590 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3591 ft. Recorder Number 5591 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3592 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 (2# LCM) Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,800 P.P.M. Drill Pipe Length 3,440 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J&SJ Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 25 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: Blow increased to 8.5" No blowback.
2nd Open: Blow increased to 4.5" No blowback.

Recovered 90 ft. of Drlg Mud 100% mud
Recovered 125 ft. of Mud Cut Water 10% mud, 90% water
Recovered _____ ft. of _____
Recovered _____ ft. of Tool sample, HMCW w/Tr oil, <1% oil, 33% mud, >66% wtr

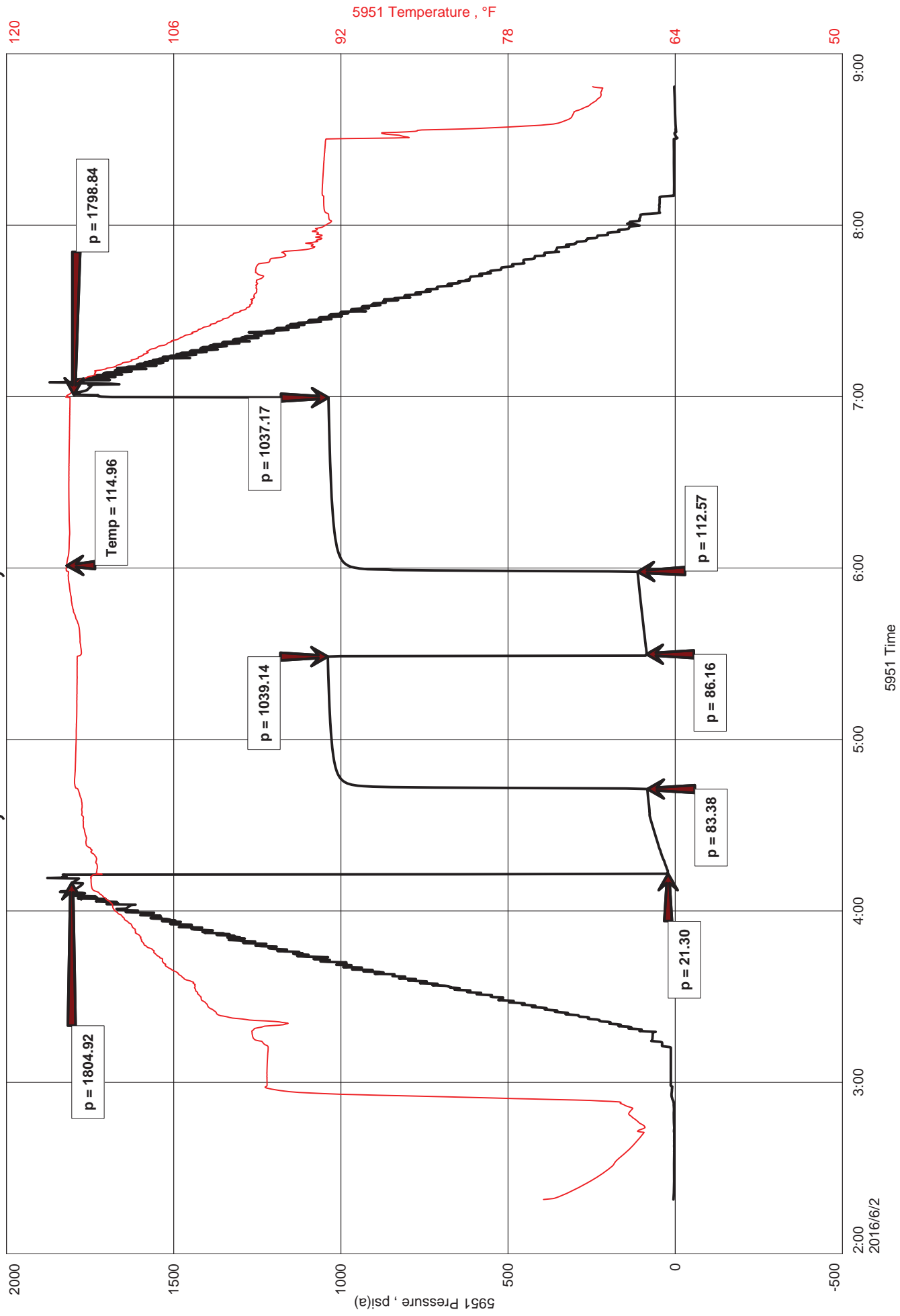
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL RECOVERED FLUID: 215'</u>	Insurance
<u>Chlorides: 19,000 PPM, RW: .36 ohm @ 70 F, PH: 7.0</u>	Total

Time Set Packer(s) 04:14 A.M. P.M. Time Started Off Bottom 07:00 A.M. P.M. Maximum Temperature 115 F

Initial Hydrostatic Pressure..... (A) 1805 P.S.I.
Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 83 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1039 P.S.I.
Final Flow Period..... Minutes 30 (E) 86 P.S.I. to (F) 113 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1037 P.S.I.
Final Hydrostatic Pressure..... (H) 1799 P.S.I.

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DST #3, SIMPSON SS, 3590'-3615'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

DRILL-STEM TEST TICKET
 FILE: STOPPEZ 1DST3

ON LOCATION: 02:00
 START RECORDERS: 02:19
 STOP RECORDERS: 08:49

Company QUATEL OIL & GAS LLC Lease & Well No. STOPPEZ #1-8
 Contractor W/W DRILLING RIG #4 Charge to QUATEL OIL & GAS LLC
 Elevation 1730' KB Formation SEMPSONSS Effective Pay _____ Ft. Ticket No. F434
 Date 6-2-16 Sec. 8 Twp. 22S Range 9W County RENO State KS
 Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 3 Interval Tested from 3590 ft. to 3615 ft. Total Depth 3615 ft.
 Packer Depth 3585 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3590 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3591 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3592 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type CHEMICAL Viscosity 52 (2#10CM) Drill Collar Length 122 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 6800 P.P.M. Drill Pipe Length 3440 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J&S JNT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 25 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: BLOW INC TO 8 1/2". NO BLOWBACK.
 2nd Open: BLOW INC TO 4 1/2". NO BLOWBACK

Recovered 90 ft. of DRILL MUD 100% MUD
 Recovered 125 ft. of MUD CUT WATER 10% MUD, 90% WTR
 Recovered _____ ft. of _____
 Recovered _____ ft. of TOOL SAMPLE: HMCW w/TR OIL <1" OIL, 33% MUD, 76% WTR

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL RECOVERED FLUID: 215'</u>	<u>J&S JNT</u>
<u>CHLORIDES: 19,000 PPM</u>	<u>III MRT (PRATT)</u>
<u>RW: .365 @ 70°F</u> <u>PH: 7.0</u>	Total

Time Set Packer(s) 04:15 A.M. P.M. Time Started Off Bottom 07:00 A.M. P.M. Maximum Temperature 115°F

Initial Hydrostatic Pressure..... (A) 1805 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 83 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1039 P.S.I.
 Final Flow Period..... Minutes 30 (E) 86 P.S.I. to (F) 113 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1037 P.S.I. Thank you!
 Final Hydrostatic Pressure..... (H) 1799 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, LLC
Formation	DST #3, Simpson SS, 3590'-3615'
Test Type	Bottom-Hole w/jars & safety joint
Surface Location	Sec 8-22s-9w-Reno-KS
KB Elevation (SL)	1730.000
Gauge Name	5951
Start Test Date	2016/06/02
Start Test Time	02:19:00
Final Test Date	2016/06/02
Final Test Time	08:49:00
Job Number	F434
Contact	Wray Valentine
Site Contact	Roger Martin

TEST RESULTS

Initial flow, blow increased to 8.5" in 30 minutes. No blowback.
 Final flow, blow increased to 4.5" in 30 minutes. No blowback.

TOTAL RECOVERED FLUID: 215'

90' drilling mud 100% mud
 125' mud cut water 10% mud, 90% water

-----Tool sample, heavy mud cut water w/trace oil show, <1% oil, 33% mud, >66% wtr.

-----Chlorides: 19,000 PPM, RW: .36 ohm @ 70 F, PH: 7.0

DST #3, SIMPSON SS, 3590'-3615'

