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 # 30604
Name: Raydon Exploration, Inc.
Address 1: 1601 NW EXPRESSWAY, STE 1300
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73118 + 1462
Contact Person: Fred Cress
Phone: (620) 624-0156
CONTRACTOR: License # 35226
Name: Quest Drilling Services, LLC
Wellsite Geologist: Ed Grieves
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 #:

11/01/2016	11/16/2016	2/11/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-175-22250-00-00
Spot Description:
SE - NW - SW - SW Sec. 23 Twp. 33 S. R. 31 ☐ East ☑ West
984 Feet from ☐ North / ☑ South Line of Section
649 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)*, Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Seward
Lease Name: ROCK Well #: 1-23
Field Name:
Producing Formation: Morrow
Elevation: Ground: 2742 Kelly Bushing: 2743
Total Vertical Depth: 6140 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1684 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: 4600 ppm Fluid volume: 8348 bbls
Dewatering method used: Evaporated
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: 02/27/2017
☑ **Confidential Release Date:** 02/27/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 02/28/2017

Page Two

Operator Name: Raydon Exploration, Inc. Lease Name: ROCK Well #: 1-23

Sec. 23 Twp. 33 S. R. 31 ☐ East ☑ West County: Seward

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geologist Report / Mud Logs ☐ Yes ☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner	4295	-1541
Morrow	5551	-2799
St. Louis	5853	-3100

CASING RECORD ☑ New ☐ 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
Conductor	30	20	75	40	8 sack grout	150	N/A
Surface	12.25	8.625	24	1684	Class A/PremPlus	625	3% CC, 1/4# Celoflake
Production	7.875	5.5	15.5	5893	AA-2	340	5% W60, 10% Salt, .6% C15

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate ____ Protect Casing ____ Plug Back TD ____ 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: 2/11/2017

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25	155	0		

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: 2.875 Set At: 5648 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	ROCK 1-23
Doc ID	1337952

All Electric Logs Run

Annular Hole Volume
Borehole Compensated Sonic Array Log
Array Compensated True Resistivity Log
Micorlog
Cement Bond Log w/ Gamma Ray

Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	ROCK 1-23
Doc ID	1337952

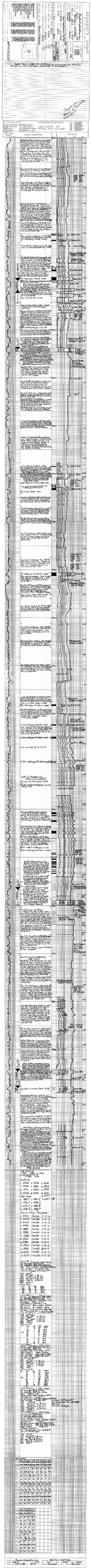
Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5590-5598		
		1000 gals 10% HCL acid	5590-5598

Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	ROCK 1-23
Doc ID	1337952

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	40	8 sack grout	150	N/A
Surface	12.25	8.625	24	1684	Class A/PremPlus	625	3% CC, 1/4# Celoflake
Production	7.875	5.5	15.5	5893	AA-2	340	5% W60, 10% Salt, .6% C15



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ROCK1DST1

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23
Elevation 2753 KB Formation Toronto Effective Pay -- Ft. Ticket No. F450
Date 11-6-16 Sec. 23 Twp. 33S Range 31W County Seward State Kansas
Test Approved By Edwin H. Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 4,292 ft. to 4,323 ft. Total Depth 4,344 ft
Packer Depth 4,287 ft. Size 6 3/4 in. Packer Depth 4,323 ft. Size 6 3/4 in.
Packer Depth 4,292 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set 4,323 ft.

Top Recorder Depth (Inside) 4,293 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,294 ft. Recorder Number 5584 Cap. 5,000 psi.
Below Straddle Recorder Depth 4,327 ft. Recorder Number 5586 Cap. 5,000 psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 300 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 58 Weight Pipe Length -- ft I.D. -- in.
Weight 9.0 Water Loss 7.6 cc. Drill Pipe Length 3,964 ft I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 31' perf. w/21' tail pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 75 secs. No gas to surface. No blow back during shut-in.
2nd Open: Strong blow increasing. Off bottom of bucket immediately. Gas to surface in 24 mins. No blow back during shut-in. (SEE GAS VOLUME REPORT)

Recovered 4,174 ft. of gas in pipe
Recovered 90 ft. of slightly water cut, gas cut, mud = .442800 bbls. (Grind out: 15%-gas; 5%-water; 80%-mud) Chlorides: 46,000 Ppm RW: .19 @ 60°
Recovered 90 ft. of TOTAL FLUID = .442800 bbls.
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks ____

Time Set Packer(s) 1:47 P.M. Time Started off Bottom 6:17 P.M. Maximum Temperature 119°

Initial Hydrostatic Pressure		(A) 2066 P.S.I.		
Initial Flow Period	Minutes 30	(B) 32 P.S.I.	to (C)	43 P.S.I.
Initial Closed In Period	Minutes 60	(D) 1202 P.S.I.		
Final Flow Period	Minutes 60	(E) 38 P.S.I	to (F)	47 P.S.I.
Final Closed In Period	Minutes 120	(G) 1187 P.S.I.		
Final Hydrostatic Pressure		(H) 2060 P.S.I.		

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION

Well Name	Rock #1-23
Company Name	Raydon Exploration, Inc.
Formation	DST #1, Toronto 4292'-4323' (4344' TD)
Test Type	Tailpipe Straddle w/J,SJ,ShPkr
Surface Location	Sec 23-33s-31w-Seward Co.-KS
KB Elevation (SL)	2753.000
Gauge Name	5951
Start Test Date	2016/11/06
Start Test Time	10:56:00
Final Test Date	2016/11/06
Final Test Time	20:48:00
Job Number	F450
Contact	Myron Heston
Site Contact	Ed Grieves

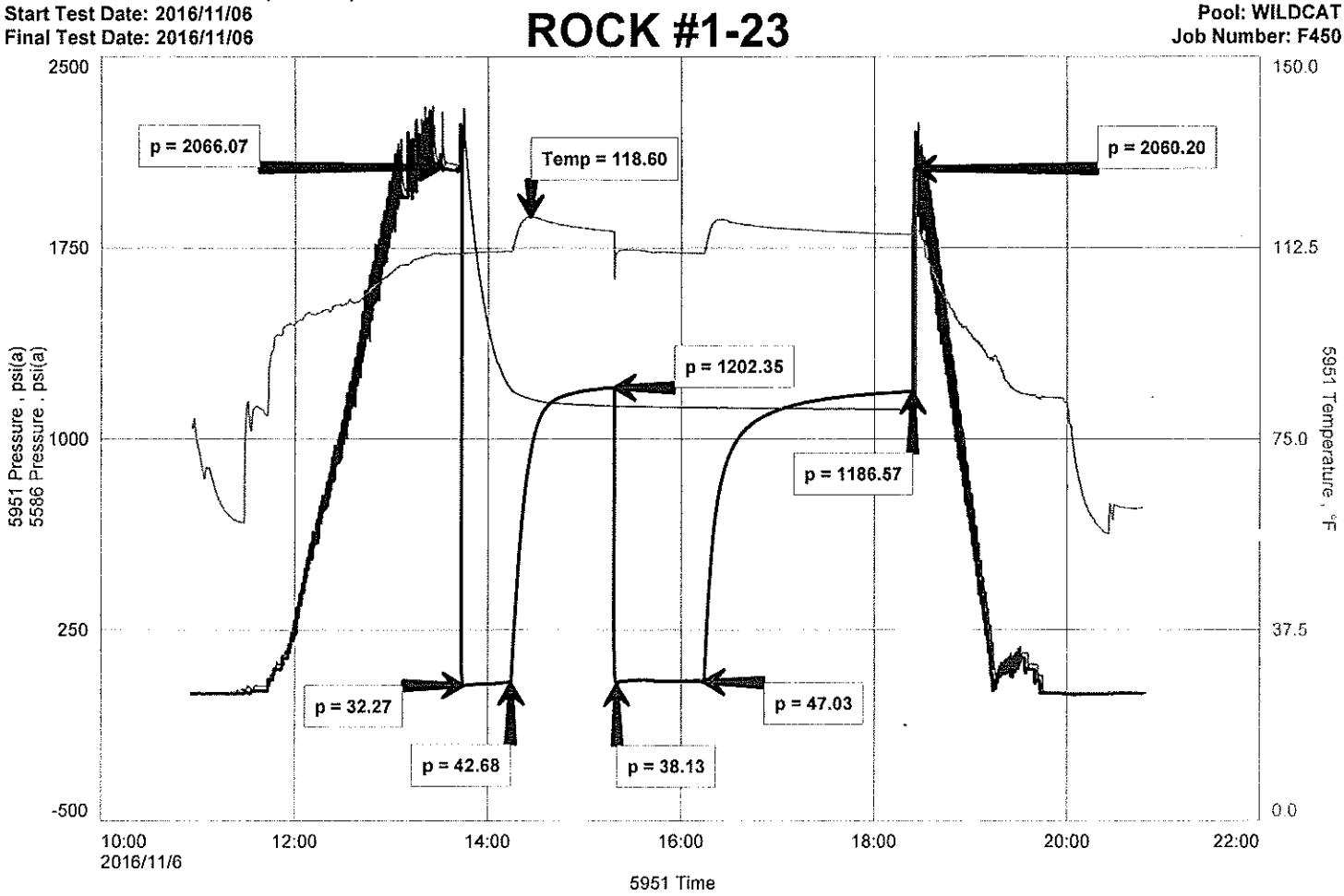
TEST RESULTS

Initial flow, strong blow @ BOB in 75 seconds. No GTS. No blowback.
Final flow, strong blow @ BOB immediately. GTS in 24 mins. No blowback.

Recovered 90' of SWC GCM. 15% gas, 5% wtr, 80% mud
4,174' of GAS IN PIPE
----- Chlorides: 46,000 PPM ----- RW: .19 ohm @ 60 F -----

Raydon Exploration, Inc.
DST #1 Toronto 4292'-4323' (4344' TD)
Start Test Date: 2016/11/06
Final Test Date: 2016/11/06

Rock #1-23
Formation: Toronto 4292'-4323' (4344' TD)
Pool: WILDCAT
Job Number: F450



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23

Date 11-6-16 Sec 23 Twp 33 S Rge 31 W Location 984' FSL & 649' FWL, SEC County Seward State Kansas

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Formation Toronto DST No. 1

Remarks: 2nd Open: Gas to surface in 24 mins. Gas sample taken.

INITIAL FLOW

Time O' Clock	Orifice Size	Gauge	CF/D

Open Tool: 3:17 p.m. **FINAL FLOW**

Time O' Clock	Orifice Size	Gauge	CF/D
3:44 p.m.	1/4 in.	13 psi	35,900
3:52 p.m.	1/4 in.	9 psi	29,000
4:02 p.m.	1/4 in.	5 psi	20,700
4:12 p.m.	1/4 in.	5 psi	20,700

NATURAL GAS ANALYSIS REPORT
GPA 2145-09

Sampled by:	Analyzed by:
Diamond Testing	Caraway Analytical, Inc
PO Box 157	P. O. Box 2137
Hoisington, Kansas 67544	Liberal, Kansas 67905
Phone: 620-653-7550	Phone: 620-482-2371
Fax: 620-653-7550	Fax: 620-626-7108

Lab Number:	20162694	Analyzed:	11/08/16
Sample From:	ROCK 1-23	Pressure:	
Producer:	RAYDON EXPLORATION	Temperature:	
Date:	11/06/16	Location:	23-33-31
Time:		County:	SEWARD
Sampler:		State:	KANSAS
Source:	DST 1	Formation:	TORONTO

		Mole %	GPM
Helium	He:	0.329	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	15.417	0.000
Carbon Dioxide	CO2:	0.019	0.000
Methane	C1:	74.437	0.000
Ethane	C2:	4.274	1.603
Propane	C3:	2.786	1.044
Iso Butane	iC4:	0.445	0.136
Normal Butane	nC4:	0.989	0.315
Iso Pentane	iC5:	0.288	0.079
Normal Pentane	nC5:	0.307	0.085
Hexanes Plus	C6+:	0.709	0.163
	TOTAL:	100.000	3.425
	Z Fact:	0.9998	
	SP.GR.:	0.7158	
	BTU (SAT):	1006.9 @ 14.73 psia	
	BTU (DRY):	1024.7 @ 14.73 psia	

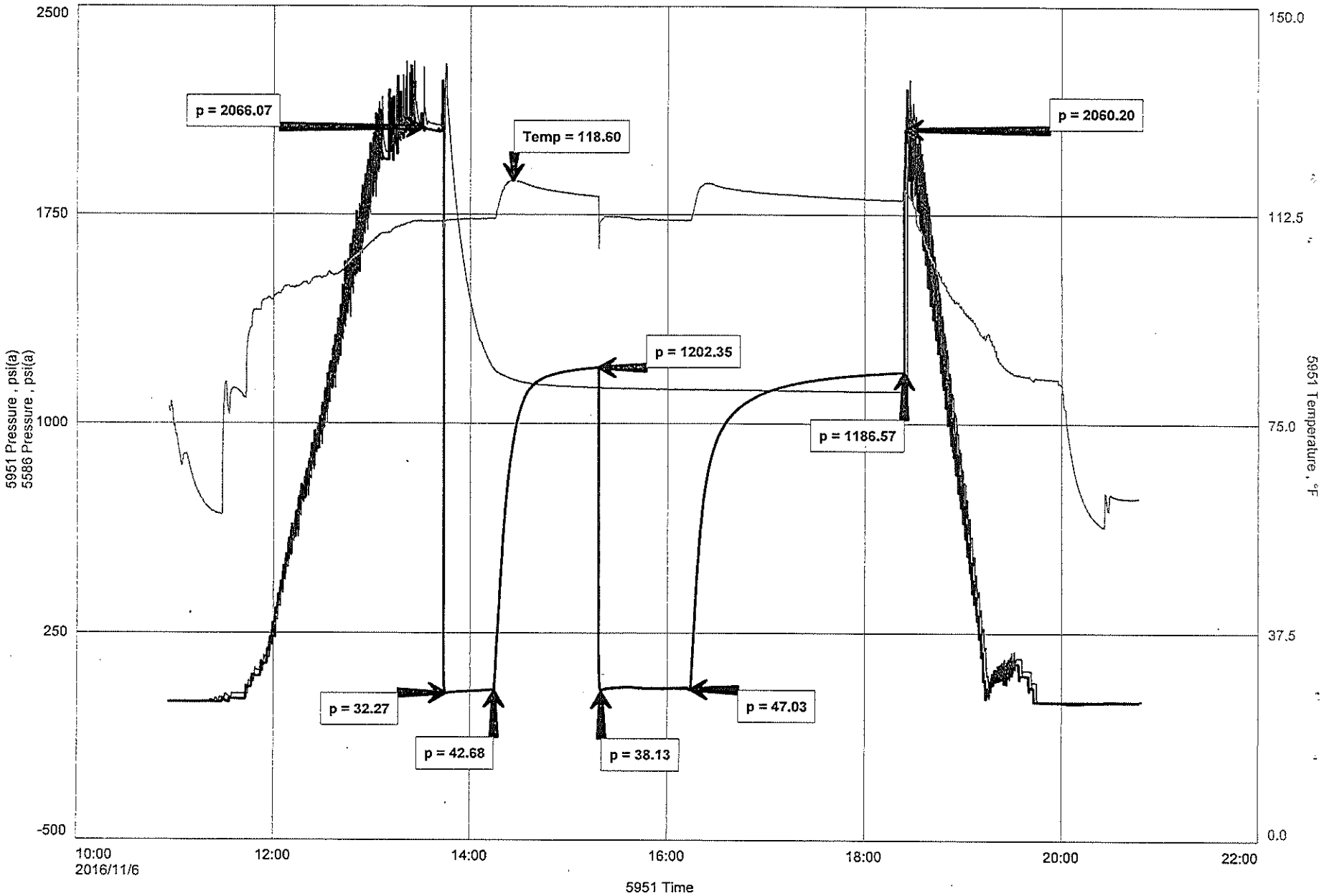
OCTANE RATING: 105.7

COMMENTS: FINAL FLOW 0.000

Raydon Exploration, Inc.
DST #1 Toronto 4292'-4323' (4344' TD)
Start Test Date: 2016/11/06
Final Test Date: 2016/11/06

ROCK #1-23

Rock #1-23
Formation: Toronto 4292'-4323' (4344' TD)
Pool: WILDCAT
Job Number: F450



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ROCK1DST2

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23

Elevation 2753 KB Formation Lansing "A" Effective Pay -- Ft. Ticket No. F451

Date 11-7-16 Sec. 23 Twp. 33S Range 31W County Seward State Kansas

Test Approved By Edwin H. Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 4,436 ft. to 4,446 ft. Total Depth 4,446 ft

Packer Depth 4,431 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,436 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,439 ft. Recorder Number 5951 Cap. 5,000 psi.

Bottom Recorder Depth (Outside) 4,440 ft. Recorder Number 5586 Cap. 5,000 psi.

Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 300 ft I.D. 2 1/4 in.

Mud Type Chemical Viscosity 57 Weight Pipe Length -- ft I.D. -- in.

Weight 9.0 Water Loss 5.6 cc. Drill Pipe Length 4,108 ft I.D. 3 1/2 in.

Chlorides 4,000 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.

Jars: Make Sterling Serial Number 5 Anchor Length 10 ft. Size 4 1/2-FH in.

Did Well Flow? No Reversed Out Yes Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 15 secs. Gas to surface in 11 mins. Strong blow back during shut-in. (SEE GAS VOLUME REPORT)

2nd Open: Strong blow increasing. Off bottom of bucket in 5 secs. Strong blow back during shut-in.

Recovered 94 ft. of gassy oil = 1.337620 bbls. (Grind out: 30%-gas; 70%-oil estimated)

Recovered 2,023 ft. of gassy oil (circulated out) = 27.651470 bbls. (Gravity: 37 @ 60°)

Recovered 89 ft. of oil cut, muddy water = .437880 bbls. (Grind out: 8%-oil; 52%-water; 40%-mud)

Recovered 89 ft. of oil specked, mud cut, water = .437880 bbls. (Grind out: 1%-oil; 89%-water; 10%-mud)

Recovered 2,295 ft. of TOTAL FLUID = 29.864850 bbls. Chlorides: 33,000 Ppm PH: 7.0 RW: .25 @ 60°

Recovered ft. of

Remarks

Time Set Packer(s) 1:56 P.M. Time Started off Bottom 6:26 P.M. Maximum Temperature 117°

Initial Hydrostatic Pressure.....(A) 2109 P.S.I.

Initial Flow Period.....Minutes 30 (B) 154 P.S.I. to (C) 308 P.S.I.

Initial Closed In Period.....Minutes 60 (D) 989 P.S.I.

Final Flow Period.....Minutes 60 (E) 327 P.S.I to (F) 551 P.S.I.

Final Closed In Period.....Minutes 120 (G) 985 P.S.I.

Final Hydrostatic Pressure.....(H) 2103 P.S.I.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION

Well Name	Rock #1-23
Company Name	Raydon Exploration, Inc.
Formation	DST #2, Lansing "A" 4436'-4446'
Test Type	Bottom-Hole w/J,SJ,ShPkr
Surface Location	Sec 23-33s-31w-Seward Co.-KS
KB Elevation (SL)	2753.000
Gauge Name	5951
Start Test Date	2016/11/07
Start Test Time	11:48:00
Final Test Date	2016/11/07
Final Test Time	23:00:00
Job Number	F451
Contact	Myron Heston
Site Contact	Ed Grieves

TEST RESULTS

Initial flow, strong blow at BOB in 15 seconds. GTS in 11 mins. Strong blowback.
Final flow, strong blow at BOB in 5 seconds. Strong blowback.

TOTAL RECOVERED FLUID: 2295'

94'	Gassy Oil	30% gas, 70% oil (estimated)
2023'	Gassy Oil	(reverse circulated to the reserve pit)
89'	OCMW	8% oil, 52% wtr, 40% mud
89'	OSMCW	1% oil, 89% wtr, 10% mud

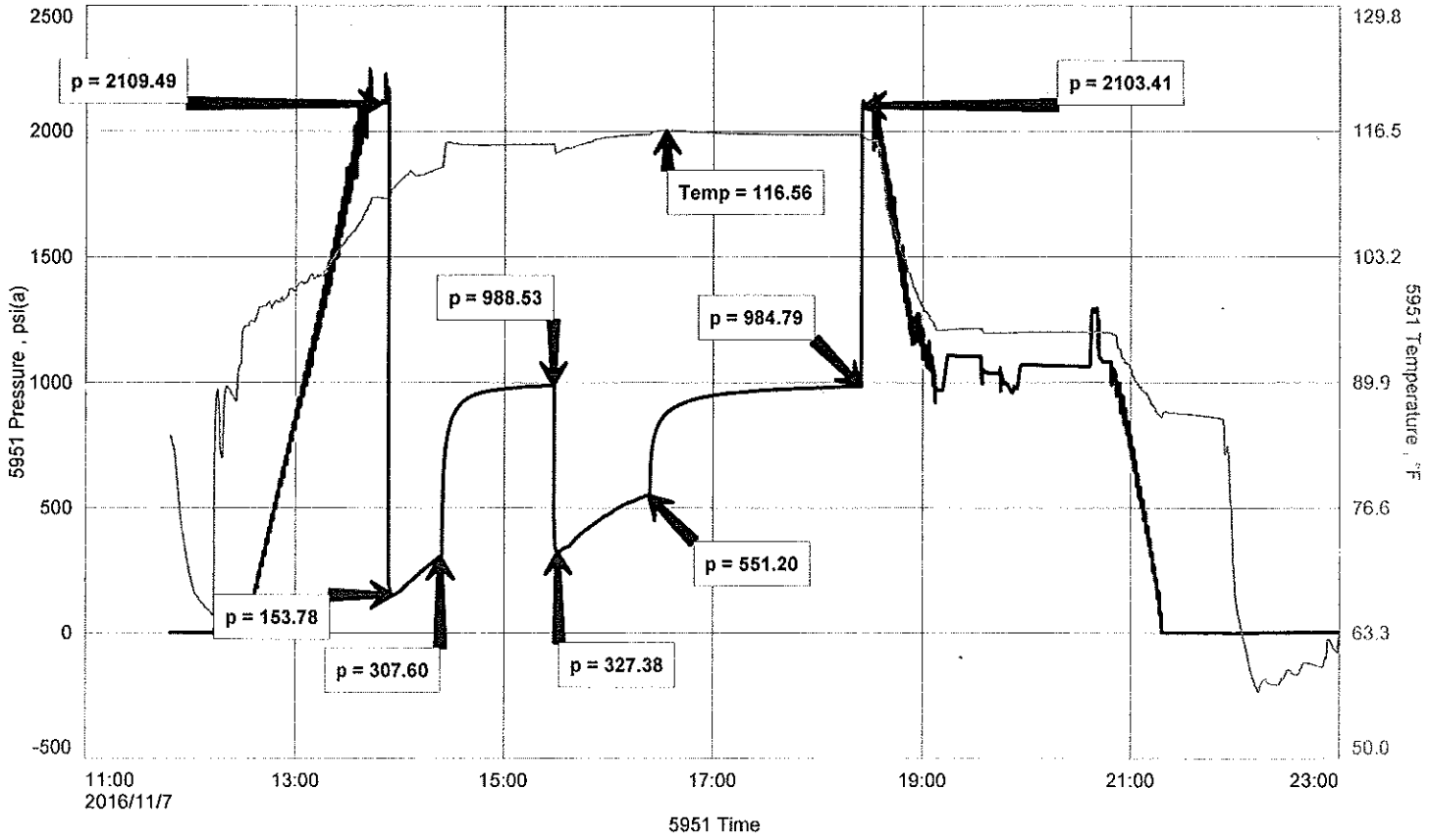
Gravity: 37 @ 60 F

Chlorides: 33,000 PPM ----- PH: 7.0 ----- RW: .25 ohm @ 60 F

Raydon Exploration, Inc.
DST #2 Lansing "A" 4436'-4446'
Start Test Date: 2016/11/07
Final Test Date: 2016/11/07

Rock #1-23
Formation: Lansing "A" 4436'-4446'
Pool: WILDCAT
Job Number: F451

ROCK #1-23



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23

Date 11-7-16 Sec 23 Twp 33 S Rge 31 W Location 984' FSL & 649' FWL, SEC County Seward State Kansas

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Formation Lansing "A" DST No. 2

Remarks: 1st Open: Gas to surface in 11 mins. Gas sample taken.

Open Tool: 1:56 p.m. **INITIAL FLOW**

Time O' Clock	Orifice Size	Gauge	CF/D
2:07 p.m.	1/4 in.	30 psi	61,900
2:16 p.m.	1/4 in.	33 psi	66,200
2:26 p.m.	1/4 in.	36 psi	70,300

Open Tool: 3:26 p.m. **FINAL FLOW**

Time O' Clock	Orifice Size	Gauge	CF/D
3:36 p.m.	1/4 in.	5 psi	20,700
3:46 p.m.	1/4 in.	10 psi	30,800
3:56 p.m.	1/4 in.	12 psi	34,000
4:06 p.m.	1/4 in.	10 psi	30,800
4:16 p.m.	1/4 in.	8 psi	27,000
4:26 p.m.	1/4 in.	4 psi	18,500

NATURAL GAS ANALYSIS REPORT
GPA 2145-09

Sampled by:
Diamond Testing
PO Box 157
Hoisington, Kansas 67544
Phone: 620-653-7550
Fax: 620-653-7550

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-482-2371
Fax: 620-626-7108

Lab Number: 20162693
Analyzed: 11/08/16
Sample From: ROCK 1-23
Pressure:
Producer: RAYDON EXPLORATION
Temperature:
Date: 11/07/16
Location: 23-33-31
Time:
County: SEWARD
Sampler:
State: KANSAS
Source: DST 2
Formation: LANSING A

		Mole %	GPM
Helium	He:	0.091	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	8.983	0.000
Carbon Dioxide	CO2:	0.000	0.000
Methane	C1:	62.232	0.000
Ethane	C2:	8.623	3.234
Propane	C3:	9.249	3.467
Iso Butane	iC4:	2.067	0.633
Normal Butane	nC4:	4.943	1.572
Iso Pentane	iC5:	1.259	0.345
Normal Pentane	nC5:	1.284	0.355
Hexanes Plus	C6+:	1.269	0.292
	TOTAL:	100.000	9.898
	Z Fact:	0.9997	
	SP.GR.:	0.9076	
	BTU (SAT):	1412.9 @ 14.73 psia	
	BTU (DRY):	1437.9 @ 14.73 psia	

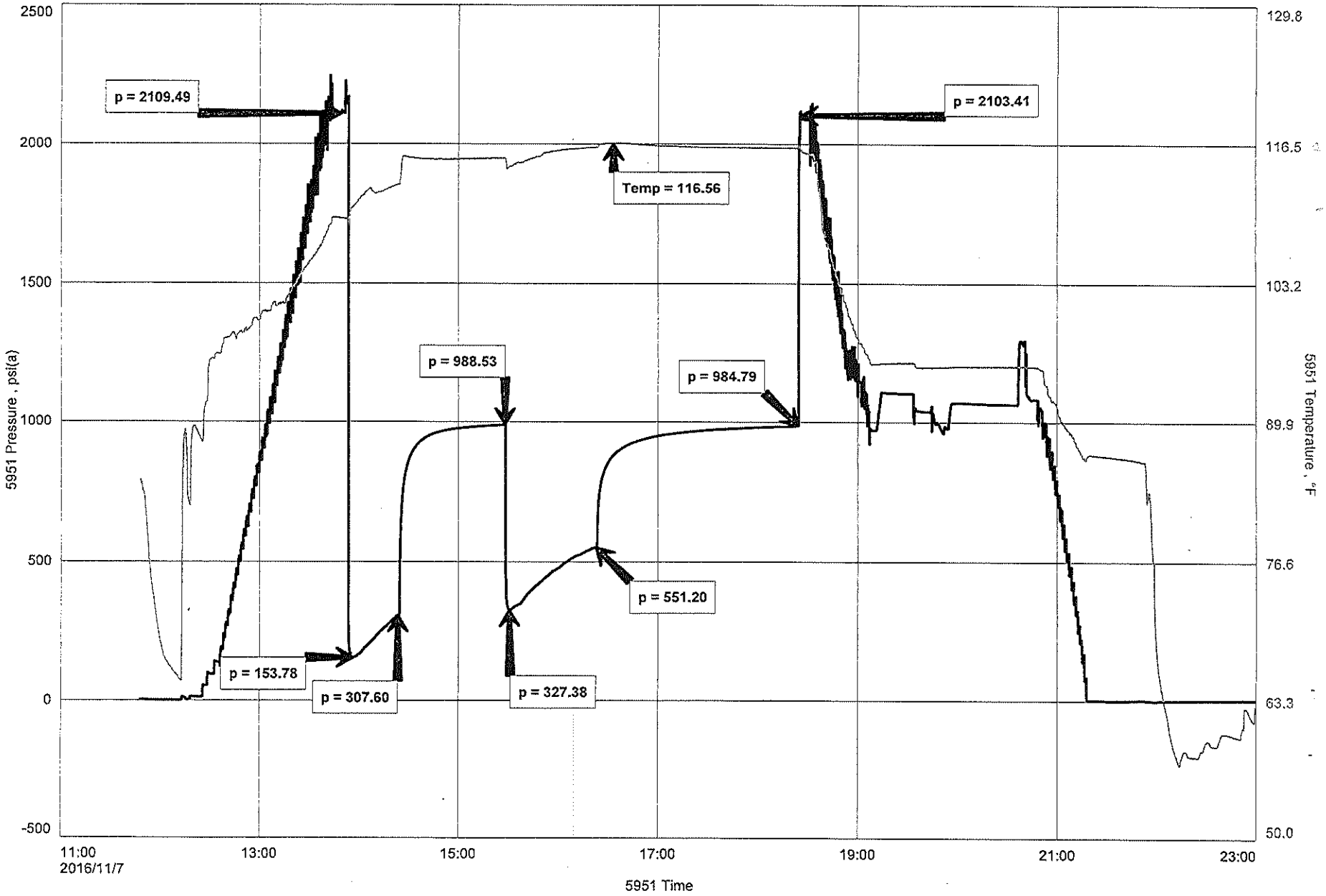
OCTANE RATING: 107.3

COMMENTS: INITIAL FLOW 0.000

Raydon Exploration, Inc.
DST #2 Lansing "A" 4436'-4446'
Start Test Date: 2016/11/07
Final Test Date: 2016/11/07

ROCK #1-23

Rock #1-23
Formation: Lansing "A" 4436'-4446'
Pool: WILDCAT
Job Number: F451



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
ROCK1DST3

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23
Elevation 2753 KB Formation Morrow Effective Pay -- Ft. Ticket No. F452
Date 11-11-16 Sec. 23 Twp. 33S Range 31W County Seward State Kansas
Test Approved By Edwin H. Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 5,562 ft. to 5,600 ft. Total Depth 5,600 ft
Packer Depth 5,557 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 5,562 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 5,564 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 5,565 ft. Recorder Number 5586 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 300 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 61 Weight Pipe Length -- ft I.D. -- in.
Weight 8.9 Water Loss 4.8 cc. Drill Pipe Length 5,234 ft I.D. 3 1/2 in.
Chlorides 2,000 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 38 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 30 secs. Gas to surface in 7 1/2 mins. Bottom of bucket blow back during shut-in. (SEE GAS VOLUME REPORT)
2nd Open: Strong blow increasing. Off bottom of bucket in 5 secs. Bottom of bucket blow back during shut-in.

Recovered 285 ft. of gas cut oil = 4.055550 bbls. (Grind out: 20%-gas; 80%-oil) Gravity: 35 @ 60°
Recovered 180 ft. of gas cut, muddy oil = 1.444200 bbls. (Grind out: 15%-gas; 60%-oil; 25%-mud)
Recovered 180 ft. of oil cut, gassy mud = .885600 bbls. (Grind out: 35%-gas; 15%-oil; 50%-mud)
Recovered 645 ft. of TOTAL FLUID = 6.385350 bbls.
Recovered ft. of
Recovered ft. of
Remarks

Time Set Packer(s) 5:46 P.M. Time Started off Bottom 10:16 P.M. Maximum Temperature 135°

Initial Hydrostatic Pressure		(A) 2619 P.S.I.		
Initial Flow Period	Minutes 30	(B) 115 P.S.I.	to (C) 165 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1846 P.S.I.		
Final Flow Period	Minutes 60	(E) 144 P.S.I	to (F) 247 P.S.I.	
Final Closed In Period	Minutes 120	(G) 1830 P.S.I.		
Final Hydrostatic Pressure		(H) 2609 P.S.I.		

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION

Well Name	Rock #1-23
Company Name	Raydon Exploration, Inc.
Formation	DST #3, Morrow 5562'-5600'
Test Type	Bottom-Hole w/J,SJ,ShPkr
Surface Location	Sec 23-33s-31w-Seward Co.-KS
KB Elevation (SL)	2753.000
Gauge Name	5951
Start Test Date	2016/11/11
Start Test Time	15:17:00
Final Test Date	2016/11/12
Final Test Time	01:57:00
Job Number	F452
Contact	Myron Heston
Site Contact	Ed Grieves

TEST RESULTS

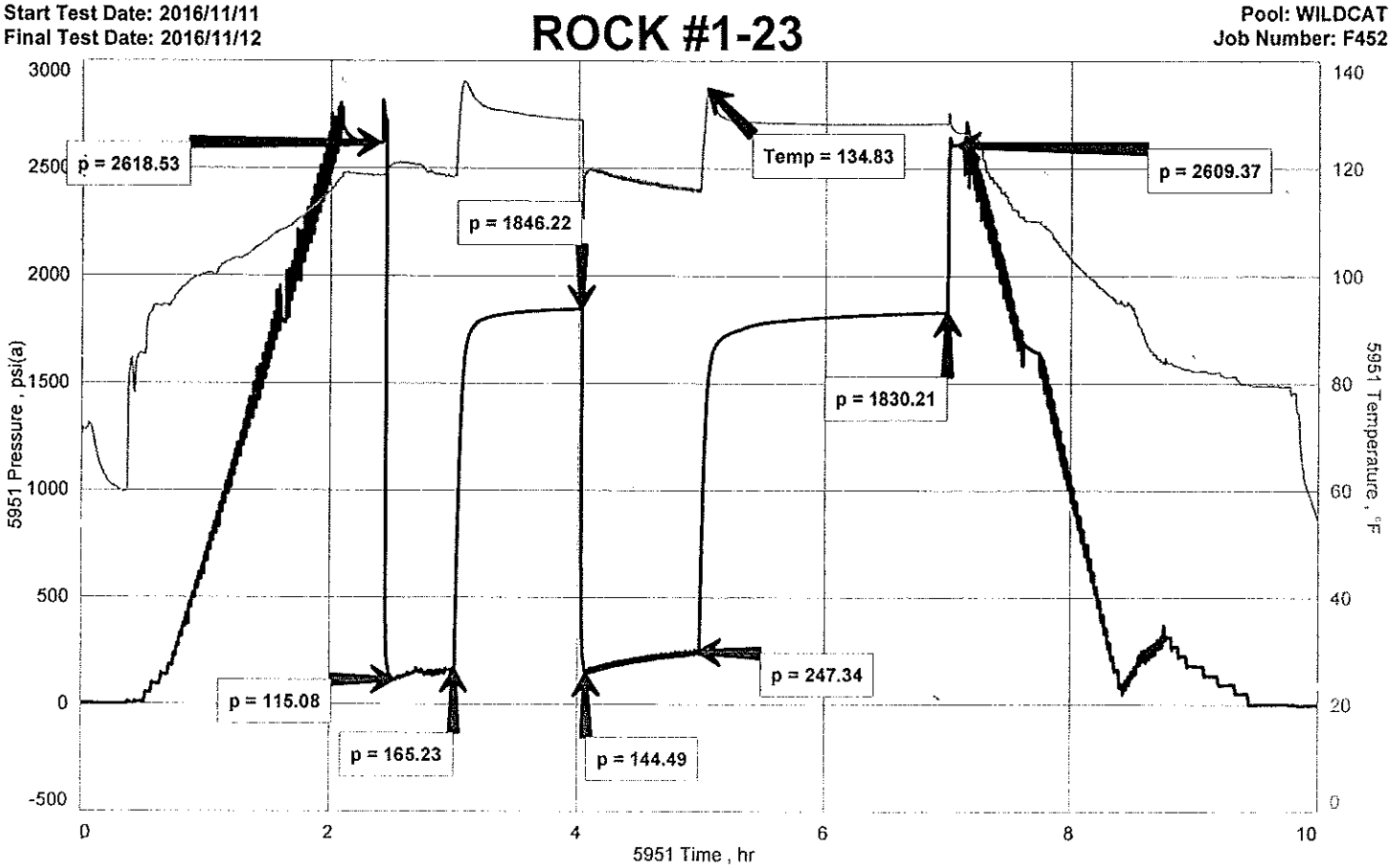
Initial flow, strong blow @ BOB in 30 seconds. GTS in 7.5 minutes. Blowback @ BOB.
Final flow, strong blow @ BOB in 5 seconds. Blowback @ BOB.

TOTAL RECOVERED FLUID: 645'

285'	GC Oil	20% gas, 80% oil	Gravity: 35 @ 60 F
180'	GC Muddy Oil	15% gas, 60% oil, 25% mud	
180'	OC Gassy Mud	35% gas, 15% oil, 50% mud	

Raydon Exploration, Inc.
DST #3 Morrow 5562'-5600'
Start Test Date: 2016/11/11
Final Test Date: 2016/11/12

Rock #1-23
Formation: Morrow 5562'-5600'
Pool: WILDCAT
Job Number: F452



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23

Date 11-11-16 Sec 23 Twp 33 S Rge 31 W Location 984' FSL & 649' FWL, SEC County Seward State Kansas

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Formation Morrow DST No. 3

Remarks: 1st Open: Gas to surface in 7 1/2 mins. Gas sample taken.

Open Tool: 5:46 p.m. **INITIAL FLOW**

Time O' Clock	Orifice Size	Gauge	CF/D
5:56 p.m.	1/2 in.	14 psi	141,000
6:06 p.m.	1/2 in.	20 psi	177,000
6:16 p.m.	1/2 in.	23 psi	193,000

Open Tool: 7:16 p.m. **FINAL FLOW**

Time O' Clock	Orifice Size	Gauge	CF/D
7:26 p.m.	1/2 in.	25 psi	205,000
7:36 p.m.	1/2 in.	28 psi	222,000
7:46 p.m.	1/2 in.	29 psi	226,000
7:56 p.m.	1/2 in.	30 psi	231,000
8:06 p.m.	1/2 in.	31 psi	237,000
8:16 p.m.	1/2 in.	31 psi	237,000

NATURAL GAS ANALYSIS REPORT
GPA 2145-09

Sampled by:
Diamond Testing
PO Box 157
Hoisington, Kansas 67544
Phone: 620-653-7550
Fax: 620-653-7550

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-482-2371
Fax: 620-626-7108

Lab Number: 20162727
Analyzed: 11/14/16
Sample From: ROCK 1-23
Pressure:
Producer: RAYDON EXPLORATION
Temperature:
Date: 11/11/16
Location: 23-33-31
Time:
County: SEWARD
Sampler:
State: KANSAS
Source: DST 3
Formation: MORROW

		Mole %	GPM
Helium	He:	0.299	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	5.695	0.000
Carbon Dioxide	CO2:	0.049	0.000
Methane	C1:	79.877	0.000
Ethane	C2:	7.218	2.707
Propane	C3:	5.206	1.952
Iso Butane	iC4:	0.851	0.261
Normal Butane	nC4:	1.846	0.587
Iso Pentane	iC5:	0.479	0.131
Normal Pentane	nC5:	0.576	0.159
Hexanes Plus	C6+:	0.904	0.208
	TOTAL:	103.000	6.005
	Z Fact:	0.9998	
	SP.GR.:	0.7629	
	BTU (SAT):	1245.1 @ 14.73 psia	
	BTU (DRY):	1267.1 @ 14.73 psia	

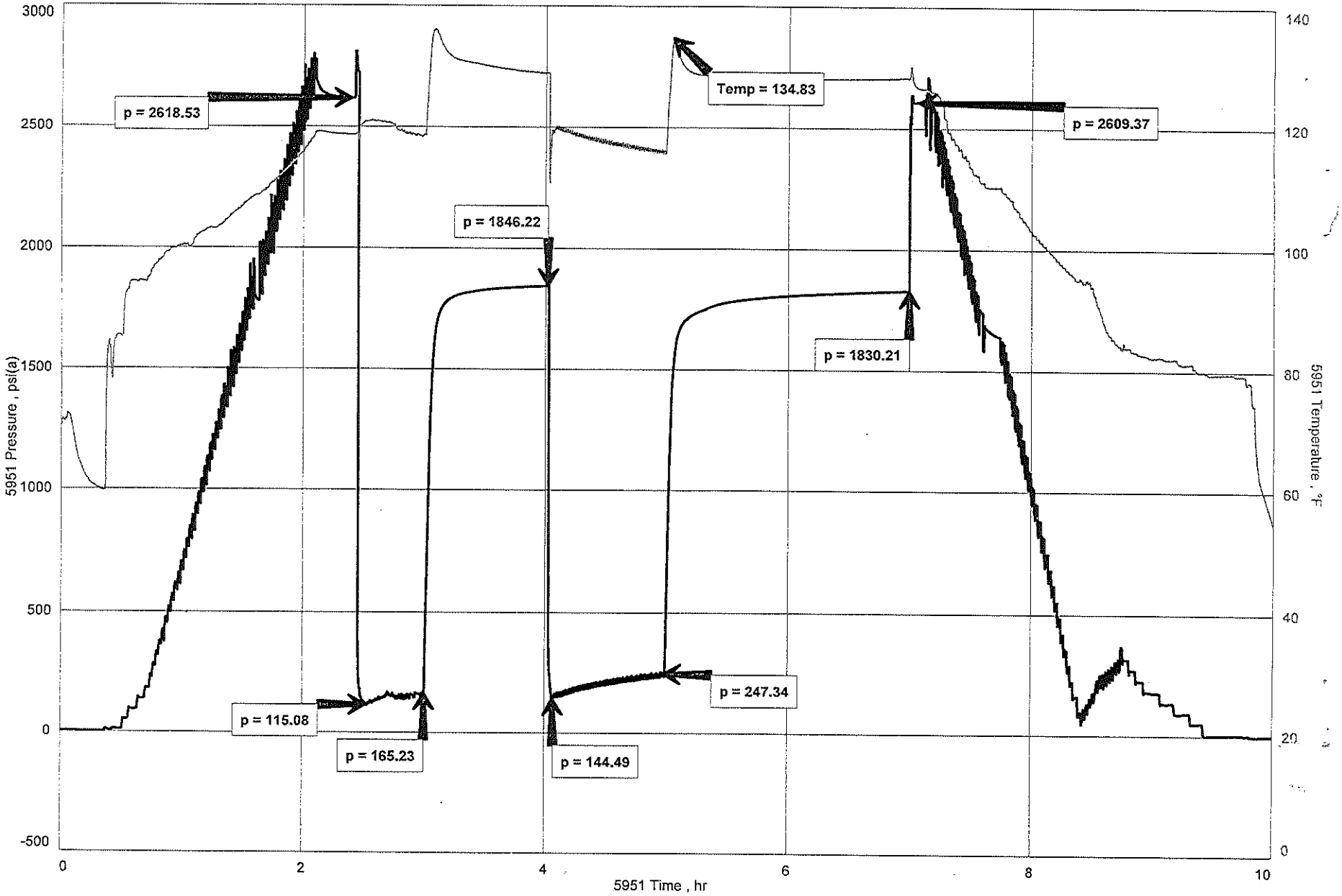
OCTANE RATING: 119.7

COMMENTS: INITIAL FLOW
0.000

Raydon Exploration, Inc.
DST #3 Morrow 5562'-5600'
Start Test Date: 2016/11/11
Final Test Date: 2016/11/12

ROCK #1-23

Rock #1-23
Formation: Morrow 5562'-5600'
Pool: WILDCAT
Job Number: F452



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
ROCK1DST4

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23

Elevation 2753 KB Formation St. Louis Effective Pay -- Ft. Ticket No. F453

Date 11-14-16 Sec. 23 Twp. 33S Range 31W County Seward State Kansas

Test Approved By Edwin H. Grieves Diamond Representative Jake Fahrenbruch

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Formation Test No. 4 Interval Tested from 5,940 ft. to 5,963 ft. Total Depth 5,963 ft

Packer Depth 5,935 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 5,940 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 5,942 ft. Recorder Number 5951 Cap. 5,000 psi.

Bottom Recorder Depth (Outside) 5,943 ft. Recorder Number 5586 Cap. 5,000 psi.

Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 300 ft I.D. 2 1/4 in.

Mud Type Chemical Viscosity 63 Weight Pipe Length -- ft I.D. -- in.

Weight 8.9 Water Loss 4.0 cc. Drill Pipe Length 5,612 ft I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.

Jars: Make Sterling Serial Number 5 Anchor Length 23 ft. Size 4 1/2-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 40 secs. Bottom of bucket blow back during shut-in.

2nd Open: Strong blow increasing. Off bottom of bucket in 4 1/2 mins. 2 in. blow back during shut-in.

Recovered 1,880 ft. of gas in pipe

Recovered 45 ft. of clean oil = .640350 bbls. (Grind out: 100%-oil) Gravity: 33 @ 60°

Recovered 140 ft. of gas & oil cut muddy water = 1.992200 bbls. (Grind out: 10%-gas; 5%-oil; 48%-water; 37%-mud)

Recovered 1,675 ft. of salt water = 21.042250 bbls. (Grind out: 100%-water) Chlorides: 87,000 Ppm PH: 7.0 RW: .08 @ 80°

Recovered 1,860 ft. of TOTAL FLUID = 23.674800 bbls.

Recovered ft. of

Remarks

Time Set Packer(s) 7:12 A.M. Time Started off Bottom 11:42 A.M. Maximum Temperature 143°

Initial Hydrostatic Pressure.....(A) 2795 P.S.I.

Initial Flow Period.....Minutes 30 (B) 196 P.S.I. to (C) 511 P.S.I.

Initial Closed In Period.....Minutes 60 (D) 2094 P.S.I.

Final Flow Period.....Minutes 60 (E) 567 P.S.I to (F) 925 P.S.I.

Final Closed In Period.....Minutes 120 (G) 2373 P.S.I.

Final Hydrostatic Pressure.....(H) 2793 P.S.I.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION

Well Name	Rock #1-23
Company Name	Raydon Exploration, Inc.
Formation	DST #4, St. Louis 5940'-5963'
Test Type	Bottom-Hole w/J,SJ,ShPkr
Surface Location	Sec 23-33s-31w-Seward Co.-KS
KB Elevation (SL)	2753.000
Gauge Name	5951
Start Test Date	2016/11/14
Start Test Time	04:13:00
Final Test Date	2016/11/14
Final Test Time	14:37:00
Job Number	F453
Contact	Myron Heston
Site Contact	Ed Grieves

TEST RESULTS

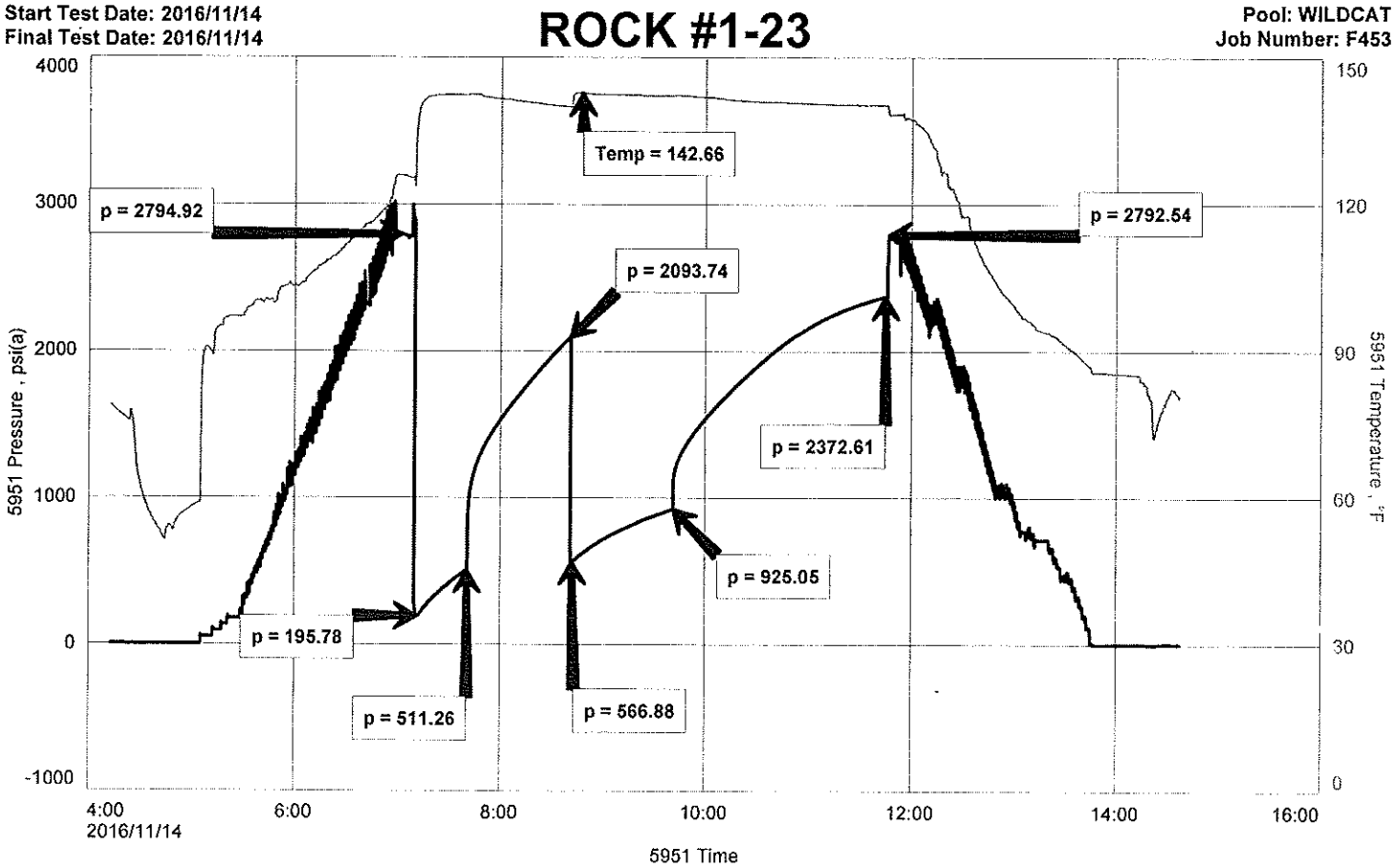
Initial flow, strong blow, BOB in 40 seconds. Blowback @ BOB.
Final flow, strong blow, BOB in 4.5 minutes. Blowback @ 2".

TOTAL RECOVERED FLUID: 1860'

45'	Clean Oil	100% oil	Gravity: 33 @ 60 F
140'	G&OCMW	10% gas, 5% oil, 48% wtr, 37% mud	
1675'	Salt Water	100% wtr	Chlorides: 87,000 PPM ----- PH: 7.0 ----- RW: .08 ohm @ 80 F
1880'	GAS IN PIPE		

Raydon Exploration, Inc.
DST #4 St. Louis 5940'-5963'
Start Test Date: 2016/11/14
Final Test Date: 2016/11/14

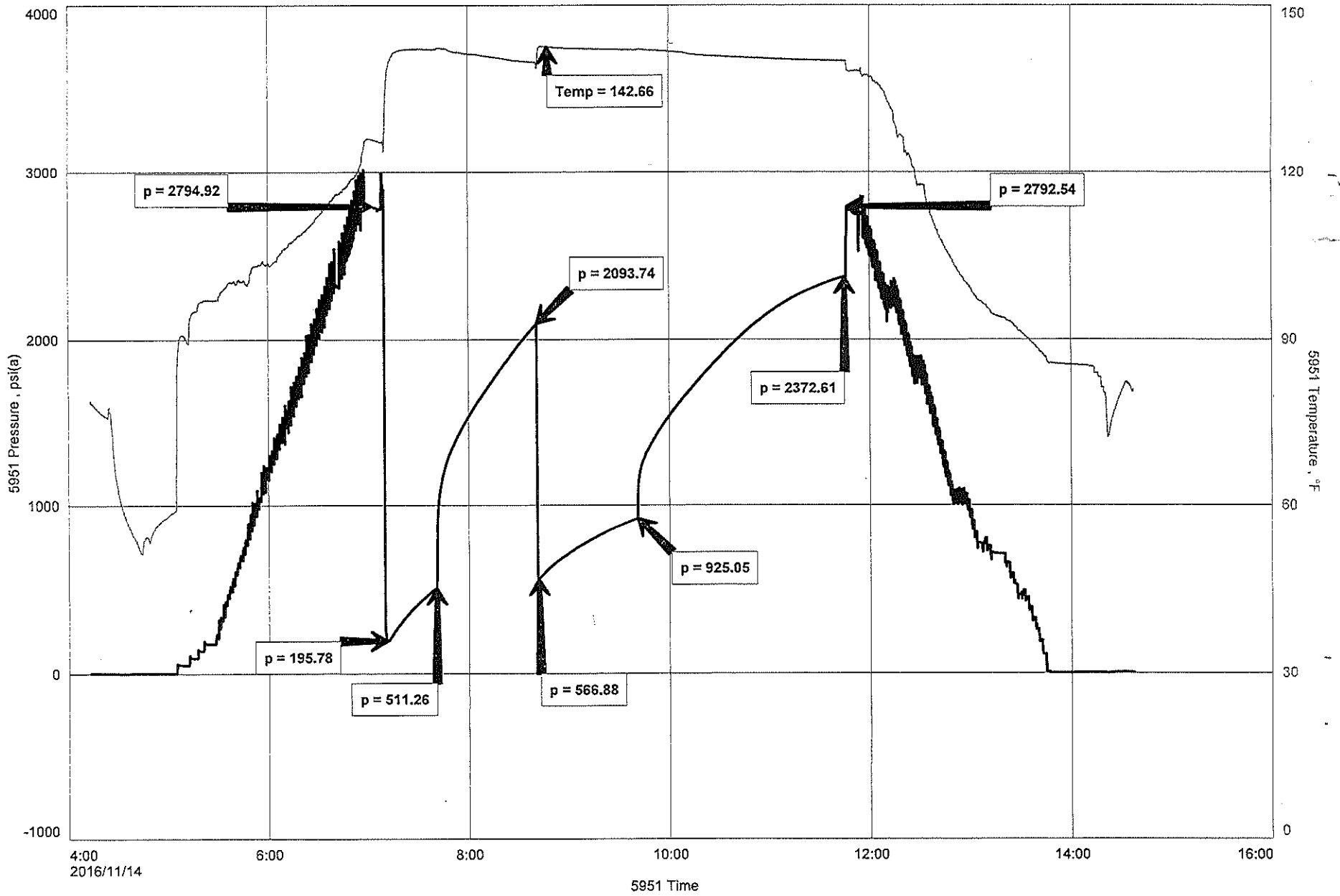
Rock #1-23
Formation: St. Louis 5940'-5963'
Pool: WILDCAT
Job Number: F453



Raydon Exploration, Inc.
DST #4 St. Louis 5940'-5963'
Start Test Date: 2016/11/14
Final Test Date: 2016/11/14

Rock #1-23
Formation: St. Louis 5940'-5963'
Pool: WILDCAT
Job Number: F453

ROCK #1-23



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
ROCK1DST5

Company Raydon Exploration, Inc. Lease & Well No. Rock No. 1-23
Elevation 2753 KB Formation St. Louis Effective Pay -- Ft. Ticket No. F454
Date 11-15-16 Sec. 23 Twp. 33S Range 31W County Seward State Kansas
Test Approved By Edwin H. Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 5 Interval Tested from 5,975 ft. to 5,990 ft. Total Depth 5,990 ft
Packer Depth 5,970 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 5,975 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ____ ft.

Top Recorder Depth (Inside) 5,977 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 5,978 ft. Recorder Number 5586 Cap. 5,000 psi.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102
Mud Type Chemical Viscosity 72
Weight 8.8 Water Loss 4.0 cc.
Chlorides 2,000 P.P.M.
Jars: Make Sterling Serial Number 5
Did Well Flow? No Reversed Out No

Drill Collar Length 300 ft I.D. 2 1/4 in.
Weight Pipe Length -- ft I.D. -- in.
Drill Pipe Length 5,647 ft I.D. 3 1/2 in.
Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Anchor Length 15 ft. Size 4 1/2-FH in.
Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 25 secs. Bottom of bucket blow back during shut-in.
2nd Open: Strong blow increasing. Off bottom of bucket in 2 mins. 20 secs. Gas to surface in 56 mins. Too small to measure. 1 1/2 in. blow back during shut-in.

Recovered 60 ft. of clean oil = .853800 bbls. (Grind out: 100%-oil) Gravity: 33 @ 60°
Recovered 180 ft. of oil, mud & gas cut water = 2.561400 bbls. (Grind out: 20%-gas; 11%-oil; 50%-water; 19%-mud)
Recovered 180 ft. of slightly oil cut, gas & mud cut water = 2.561400 bbls. (Grind out: 10%-gas; 7%-oil; 73%-water; 10%-mud)
Recovered 2,430 ft. of salt water = 31.785900 bbls. (Grind out: 100%-water) Chlorides: 130,000 Ppm PH: 7.0 RW: .06 @ 80°
Recovered 2,850 ft. of TOTAL FLUID = 37.762500 bbls.
Recovered ____ ft. of ____
Remarks ____

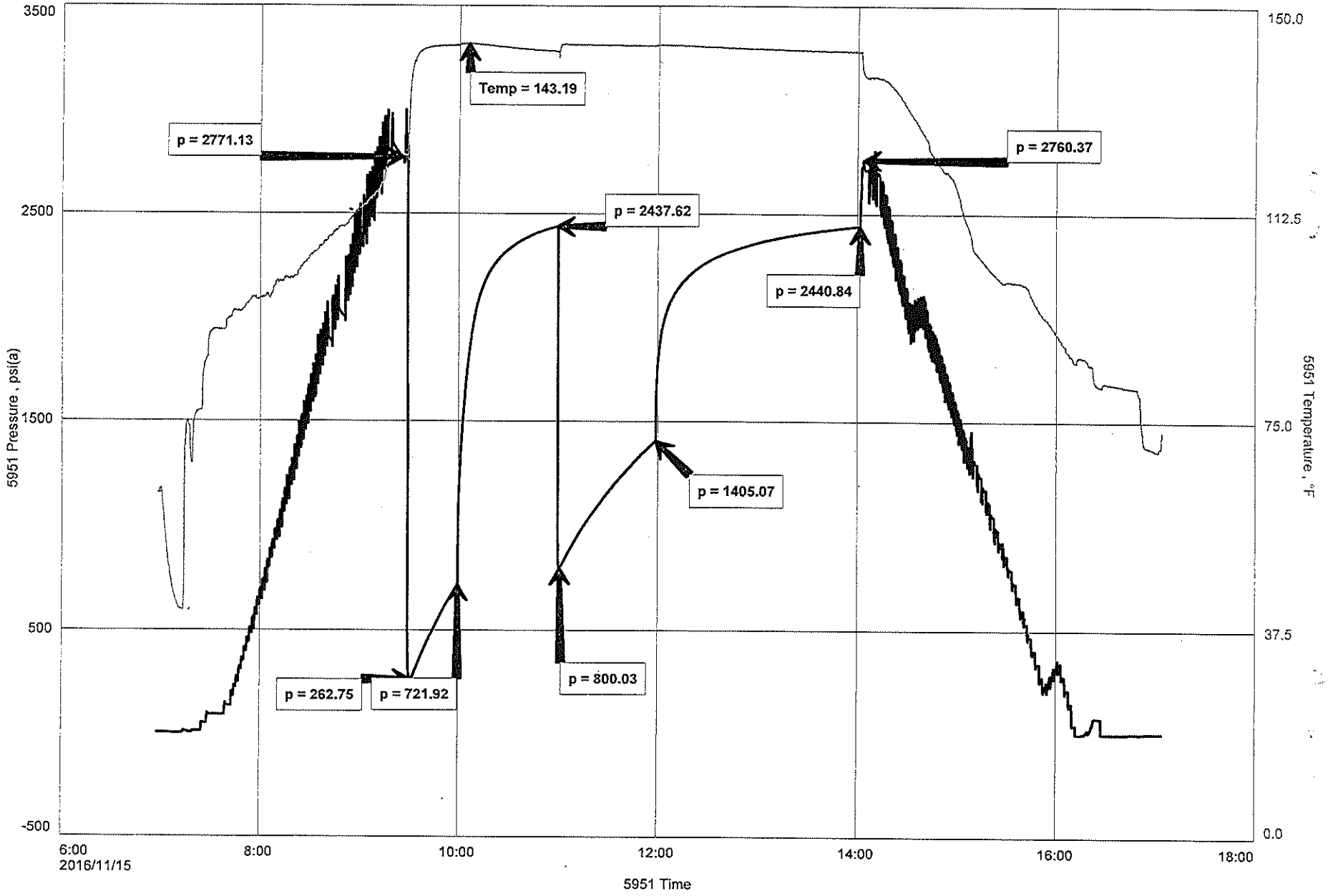
Time Set Packer(s) 9:30 A.M. Time Started off Bottom 2:00 P.M. Maximum Temperature 143°

Initial Hydrostatic Pressure		(A) 2771 P.S.I.		
Initial Flow Period	Minutes 30	(B) 263 P.S.I.	to (C) 722 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 2438 P.S.I.		
Final Flow Period	Minutes 60	(E) 800 P.S.I	to (F) 1405 P.S.I.	
Final Closed In Period	Minutes 120	(G) 2441 P.S.I.		
Final Hydrostatic Pressure		(H) 2760 P.S.I.		

Raydon Exploration, Inc.
DST #5 St. Louis 5975'-5990'
Start Test Date: 2016/11/15
Final Test Date: 2016/11/15

ROCK #1-23

Rock #1-23
Formation: St. Louis 5975'-5990'
Pool: WILDCAT
Job Number: F454



ALLIED OFS, LLC

Cement Job Summary

Job Number:	Lib161102	Job Purpose	01 Surface		
Customer:	Raydon Exploration Inc			Date:	11/2/2016
Well Name:	Rock		Number: 1-23	API/UWI:	
County:	Seward	City:	Kismet,Kansas	State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	
Legal Desc:				Rig Name:	Quest Drilling#102
Distance	20 miles (one way)			Supervisor	Lenny Baeza

Employees:	Emp. ID:	Employees:	Emp. ID:
James P.		Ramon E.	
Victor G.		Lenny Baeza	

Equipment:	
903-4/501-5	
993-4/841-5	956-4/841-5

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	12 1/4	100%	1390	1,690	TAIL CEMENT
OPEN HOLE	12 1/4	100%	40	1,390	LEAD CEMENT
OPEN HOLE	12 1/4	0%	0	40	
OPEN HOLE	12 1/4			0	

Tubulars

Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	20	94	19.124	J-55	0	40
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,688
SHOE	8 5/8	24	8.097	J-55	1,646	1,688

Materials - Pumping Schedule

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	10	8.30	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	425	11.81	2.77	16.50
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1198.5	lbm
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	212.5	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Tail 1	CLASS A COMMON	200	15.62	1.19	5.20
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	376.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	50.0	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	0	104.8231394	8.33	n/a	n/a

Job Number:	Lib161102	Job Purpose	01 Surface		
Customer:	Raydon Exploration Inc			Date:	11/2/2016
Well Name:	Rock		Number: 1-23	API/UWI:	
County:	Seward	City:	Kismet,Kansas	State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	0

ALLIED OFS,LLC

Cement Job Summary

Distance	20 miles (one way)				Supervisor	Lenny Baeza
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS	
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)		
11/2/2016					On location @3:00pm	
5:30pm					Rigging up to well head	
6:30pm					Safety meeting with companyman/crew	
6:55pm	1400				Pressure testing lines	
6:55pm	250		10	5	10bbls of water ahead	
6:58pm	311		220	5	Mixing 425sk of lead cement @11.8#	
7:33pm	200		262	4	Mixing 200sk of tail cement @15.6#	
7:45pm	0		262	0	Shut down to release plug	
7:46pm	60		262		Started displacement of 104.8bbls	
7:54pm	160		302	5	40bbls gone	
8:02pm	380		342	5	60bbls gone	
8:05pm	515		362	4	80bbls gone	
8:07pm	520		376	3	94bbls gone and slowing down to land plug	
8:10pm	1000		386	0	104.8bbls gone and landed plug @1300psi	
					Release psi and floats holding 1/4bbls back	
					Had 50bbls of cement to surface	
					Rigging down and leaving location @8:30pm	

BASIC ENERGY SERVICES
PRESSURE PUMPING

Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Job Log

Customer:	Raydon Exploration	Cement Pump No.:	38117, 19919 7Hrs.	Operator TRK No.:	78938		
Address:	1601 NW Expressway STE 1300	Ticket #:	1718 13192 L	Bulk TRK No.:	14355, 37724 Santiago	70897, 37725 Luis	
City, State, Zip:	OKC OK 73118	Job Type:	Z42 - Cement Production Casing				
Service District:	1718 - Liberal, Ks.	Well Type:	OIL				
Well Name and No.:	Rock 1-23	Well Location:	23,33,31	County:	Seward	State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	100	2% Calcium Chloride, 1/4# Polyflake	14355, 37724 Santiago	Front	Back
AA2	240	5% W-60, 10% SALT, .6% C-15, 1/4# DEFOAMER, 5# GILSONITE	70897, 37725 Luis	Front	Back
A-Con' Blend	50	Rat and Mouse	14355, 37724	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.95	18.1	295	Man Hours:	11
Tail:	14.8	1.51	6.64	362.4	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps T	Pumps C	Pressure(PSI) Tubing	Pressure(PSI) Casing	Description of Operation and Materials
10:30							ON LOCATION / WAIT ON RIG
14:00							SAFETY MEETING
2:30 PM							RIG UP
4:45 PM							RIG UP TO CIRCULATE
5:00 PM							CIRCULATE
17:17							CEMENT RAT & MOUSE W/ 50SX
18:59							PRESSURE TEST TO 3100PSI
7:07 PM	4	11.9				170	(DROP BALL 1300PSI) PUMP MUD FLUSH 500 GALLONS
19:21	7	52.5 slurry				240	PUMP LEAD 100SX @ 11.4#
	7	64.5 slurry				170	PUMP TAIL 240SX @ 14.8#
19:47							SHUTDOWN / W.P. / DROP PLUG
19:56	7	50				130	DISPLACE
	7	60				130	
	7	70				130	
	7	80				130	
	7	90				250	
	6.8	100				450	
	6.9	110				700	
	6.3	120				930	
	6	130				1100	SLOW RATE TO 2.0 B.P.M. @ 960PSI
20:24	2	139.7				1080	LAND PLUG / PRESSURE UP TO 2080PSI
20:25							RELEASE BACK --- LATCH DOWN HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth				TYPE	Plug Container		
Size & Wt. Csg.	5 1/2" 15.5#	Depth	5893'	New / Used		Packer		Depth	
tbg.		Depth				Retainer		Depth	
Top Plugs		Type				Perfs		CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	Daniel Beck
	Date of Service:	11/17/2016

Koda Services, Inc.

K02000

Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

INVOICE

Date	Invoice #
10/31/2016	11871

Bill To

Raydon Exploration
% Crown Consulting
P.O. Box 1618
Liberal, KS 67905

RECEIVED
NOV 16 2016
KNOLCPA 870

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
SE of Kismet, KS	Clint/Oscar	Net 30	9028	Rock 1-23	Tom Cat #3/Quest 102

Item	Quantity	Description	Rate	Amount
Conductor 20" Pipe	40	Drilled 40' of 30" hole for conductor	40.00	1,600.00
Conductor 15"X 30'	40	Furnished 40' of 20" conductor pipe	25.00	1,000.00T
Conductor 15"X 20'	30	Drilled 30' of 20" Rathole	20.00	600.00
Cellar 72" X 6'	30	Furnished 30' x 15" Shuck	20.00	600.00T
Dirt Removal	20	Drilled 20' of 20" Mouse hole	20.00	400.00
	20	Furnished 20' x 15" Shuck	20.00	400.00T
	6	Drilled 6' of 76" diameter hole for cellar	75.00	450.00
	1	Furnished 6' X 6' tinhorn	450.00	450.00T
	1	Provided Labor and Equipment for dirt removal and cleanup	500.00	500.00
Grout	5	Furnished grout	200.00	1,000.00T
Deliver Grout	1	Deliver grout to location	250.00	250.00
Cover Plate	1	Cover Plate	30.00	30.00T
Barrier Fence	1	Provided and Set Barrier Fence	75.00	75.00T

6496100 121

CROWN CONSULTING, INC.
DRLG. X PROD.
COMP.
LEASE Rock #1-23
DESCRIPTION DRILL RAT HOLE & SET CONDUCTOR PIPE. ME Haber
11-4-16

NOV 2016 RECEIVED Crown Consulting, Inc.

W/ BCP
PR Set conductor
Drill RAT
AND MOUSE
HOLE

Thank you for your business.

Subtotal	$7,355.00
Sales Tax (7.75%)	$275.51
Total	$7,630.51

NOV 15 2016

P.O. Box 66 · Woodward, OK 73802-0066 · Phone: (580) 254-5019 · Fax: (580) 254-5908