



**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)

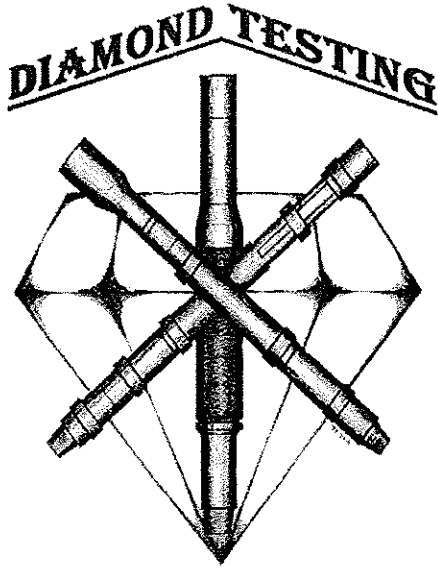
Recovered 4,174 ft. of gas in pipe  
Recovered 90 ft. of slightly water cut, gas cut, mud = .442800 bbls. (Grind out: 15%-gas; 5%-water; 80%-mud) Chlorides: 46,000 Ppm RW: .19 @ 60°  
Recovered 90 ft. of TOTAL FLUID = .442800 bbls.  
Recovered      ft. of  
Recovered      ft. of  
Recovered      ft.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

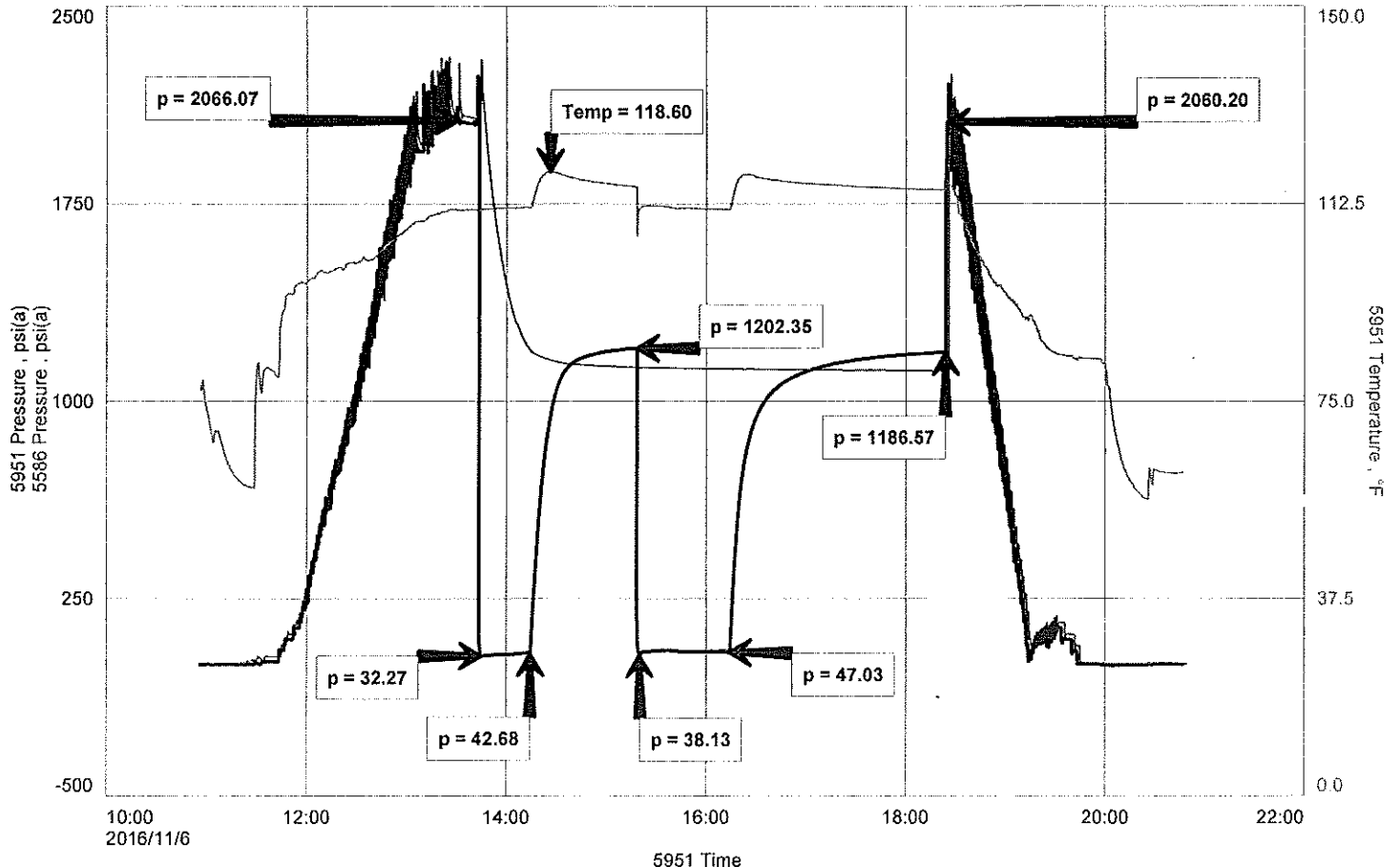
4,174' of GAS IN PIPE

----- 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

## ROCK #1-23





NATURAL GAS ANALYSIS REPORT  
GPA 2145-09

Sampled by:  
Diamond Testing  
Inc  
PO Box 157  
Hoisington, Kansas 67544  
67905  
Phone: 620-653-7550  
2371  
Fax: 620-653-7550  
7108

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

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

Analyzed:  
Pressure:  
Temperature:  
Location: 23-  
County:  
State:  
Formation:

	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

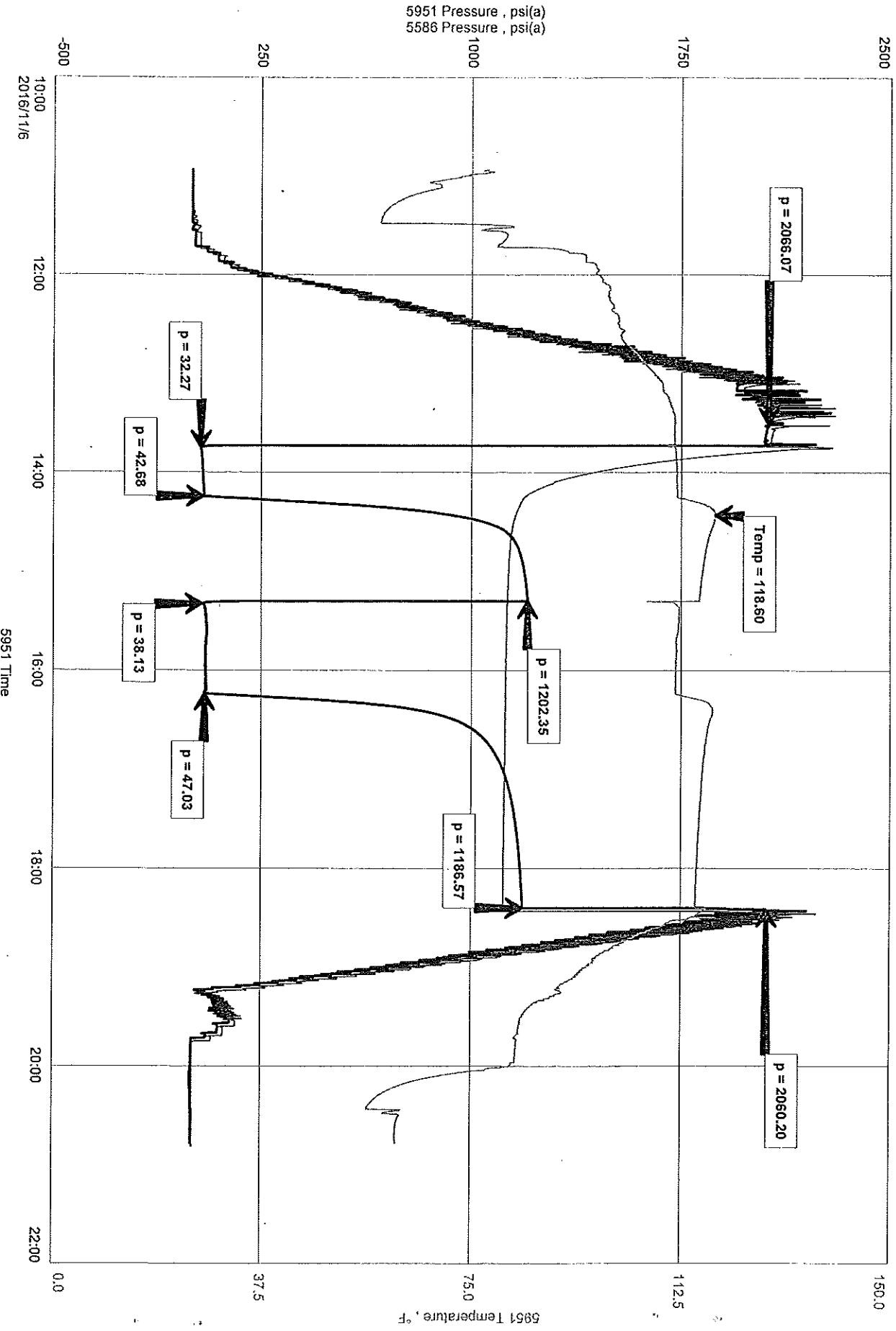
OCTANE RATING: 105.7

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         

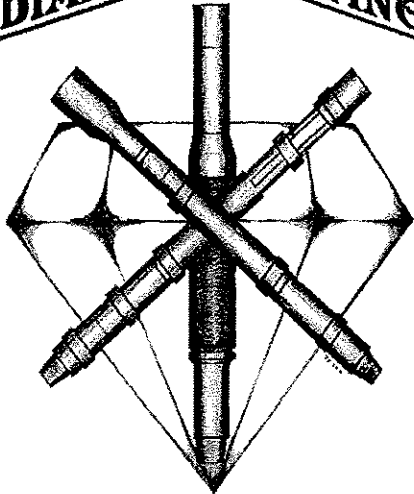
Time Set Packer(s) 1:56 P.M. Time Started off Bottom 6:26 P.M. Maximum Temperature 117°  
Initial Hydrostatic Pressure.....(A) 2109 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 154 P.S.I. to (C) 308 P.S.I.  
Initial Closed In Period.....Minutes 60 (D) 989 P.S.I.  
Final Flow Period.....Minutes 60 (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

**DIAMOND TESTING**



## 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'

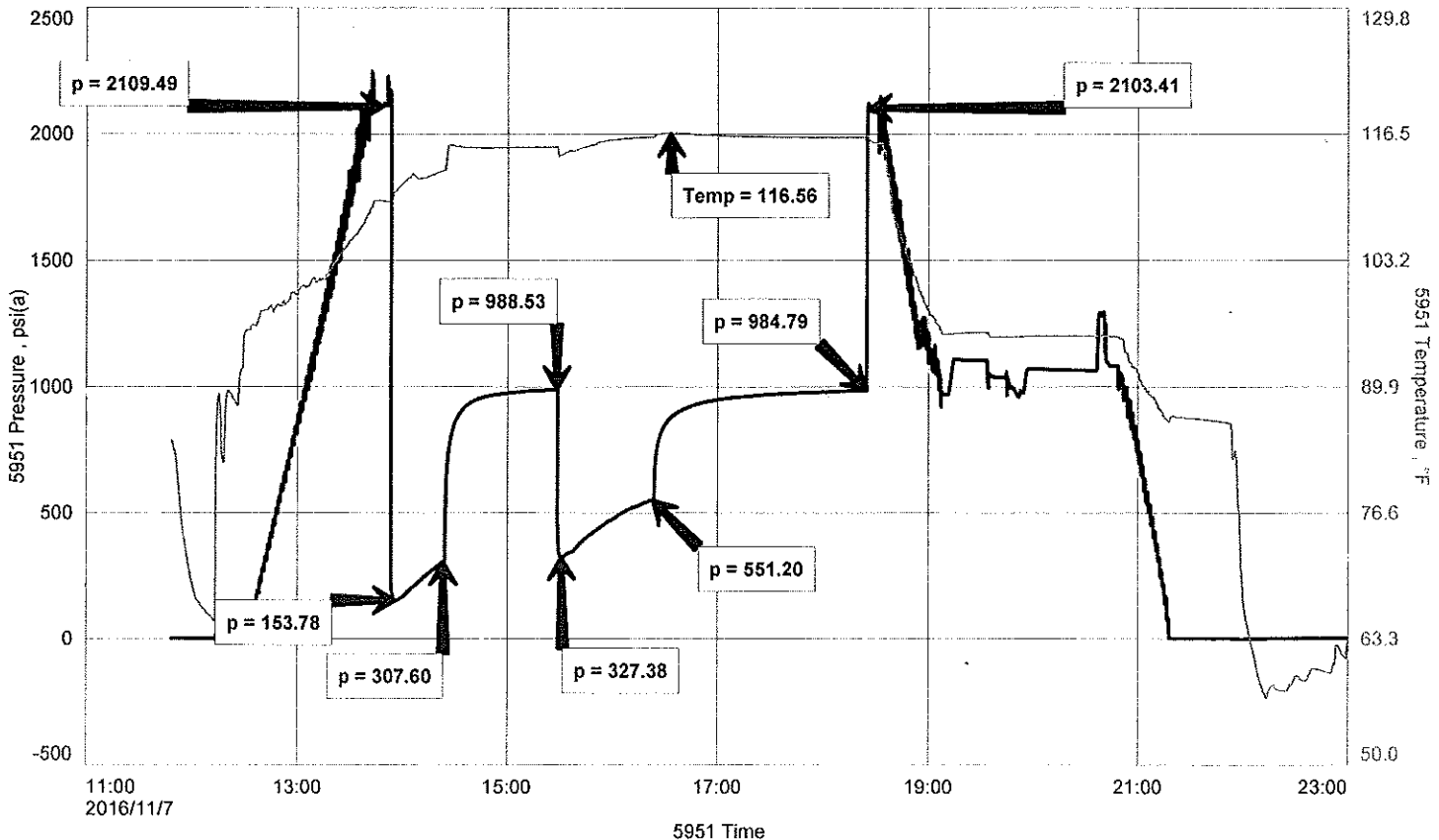
94'	Gassy Oil	30% gas, 70% oil (estimated)	
2023'	Gassy Oil	(reverse circulated to the reserve pit)	Gravity: 37 @ 60 F
89'	OCMW	8% oil, 52% wtr, 40% mud	
89'	OSMCW	1% oil, 89% wtr, 10% mud	

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

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

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

## ROCK #1-23







NATURAL GAS ANALYSIS REPORT  
GPA 2145-09

Sampled by:  
Diamond Testing  
Inc  
PO Box 157  
Hoisington, Kansas 67544  
67905  
Phone: 620-653-7550  
2371  
Fax: 620-653-7550  
7108

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

-----  
-----  
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

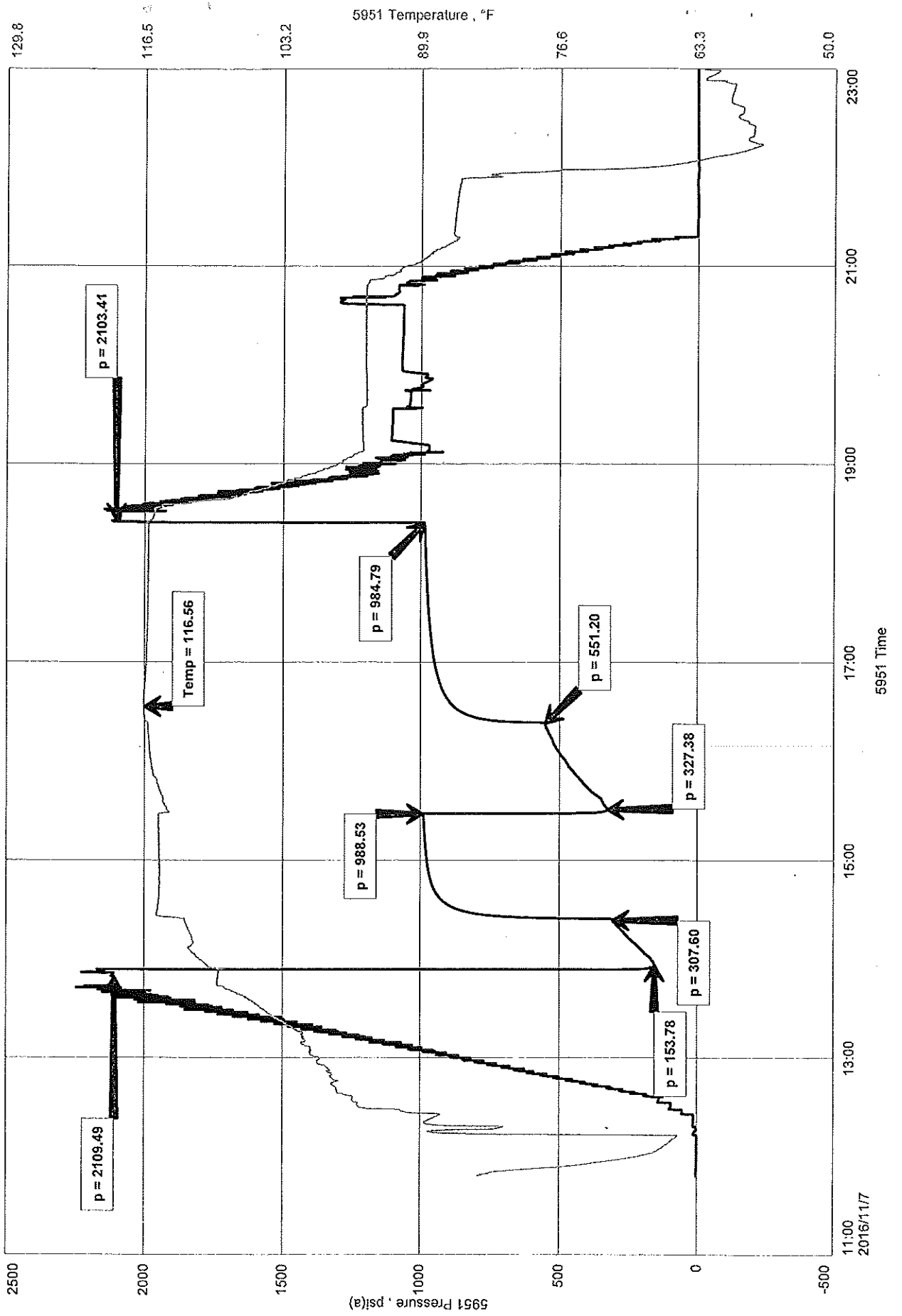
OCTANE RATING: 107.3

-----  
-----  
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  
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  
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         

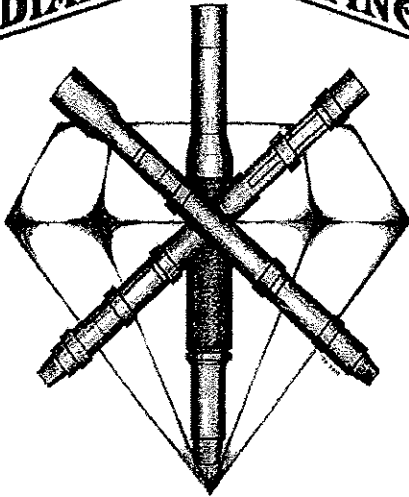
Time Set Packer(s) 5:46 P.M. Time Started off Bottom 10:16 P.M. Maximum Temperature 135°  
Initial Hydrostatic Pressure.....(A) 2619 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 115 P.S.I. to (C) 165 P.S.I.  
Initial Closed In Period.....Minutes 60 (D) 1846 P.S.I.  
Final Flow Period.....Minutes 60 (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

**DIAMOND TESTING**



## 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.

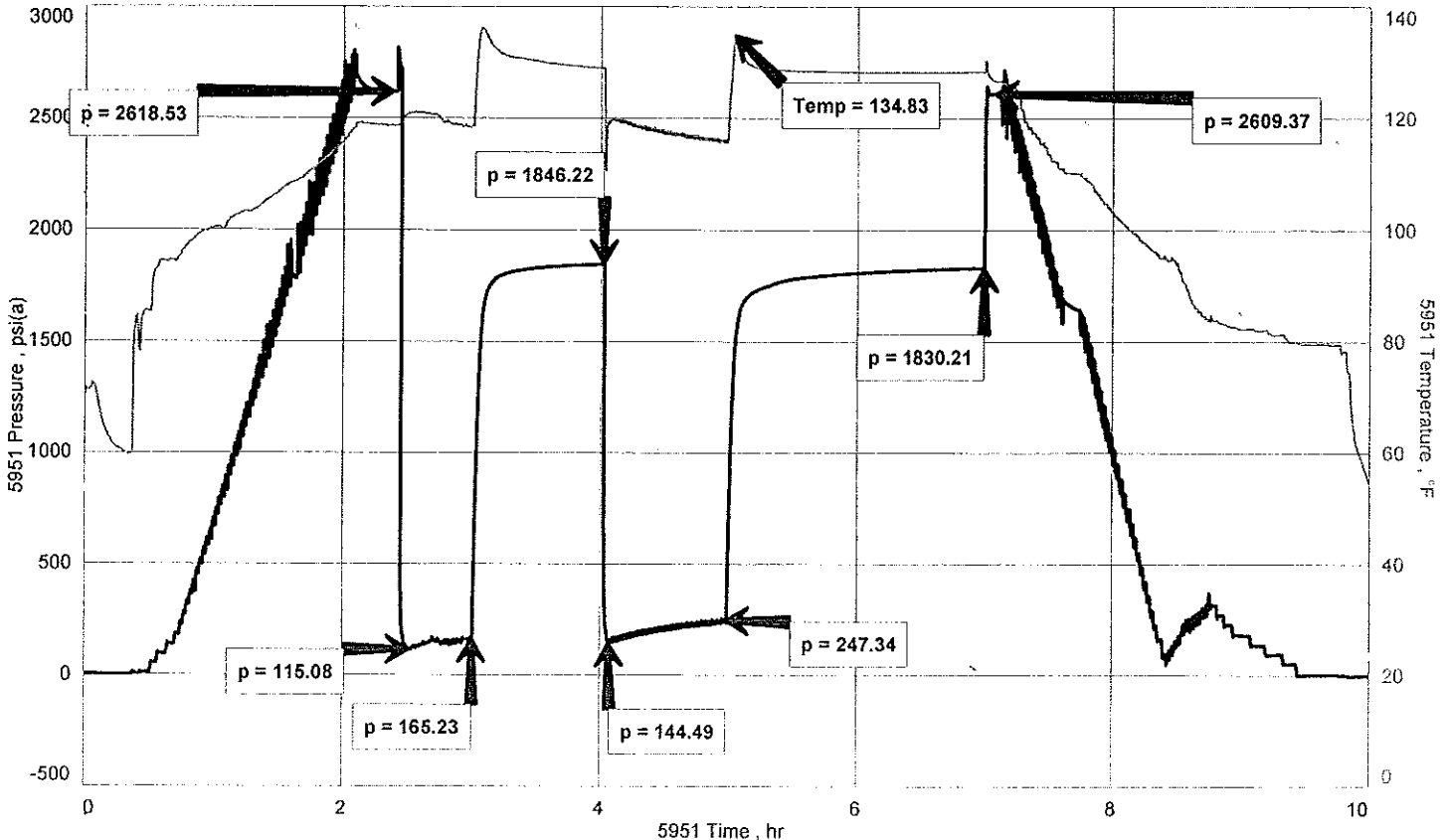
TOTAL RECOVERED FLUID: 645'

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

## 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 11-11-16 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  
Inc  
PO Box 157  
Hoisington, Kansas 67544  
67905  
Phone: 620-653-7550  
2371  
Fax: 620-653-7550  
7108

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

-----  
-----  
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

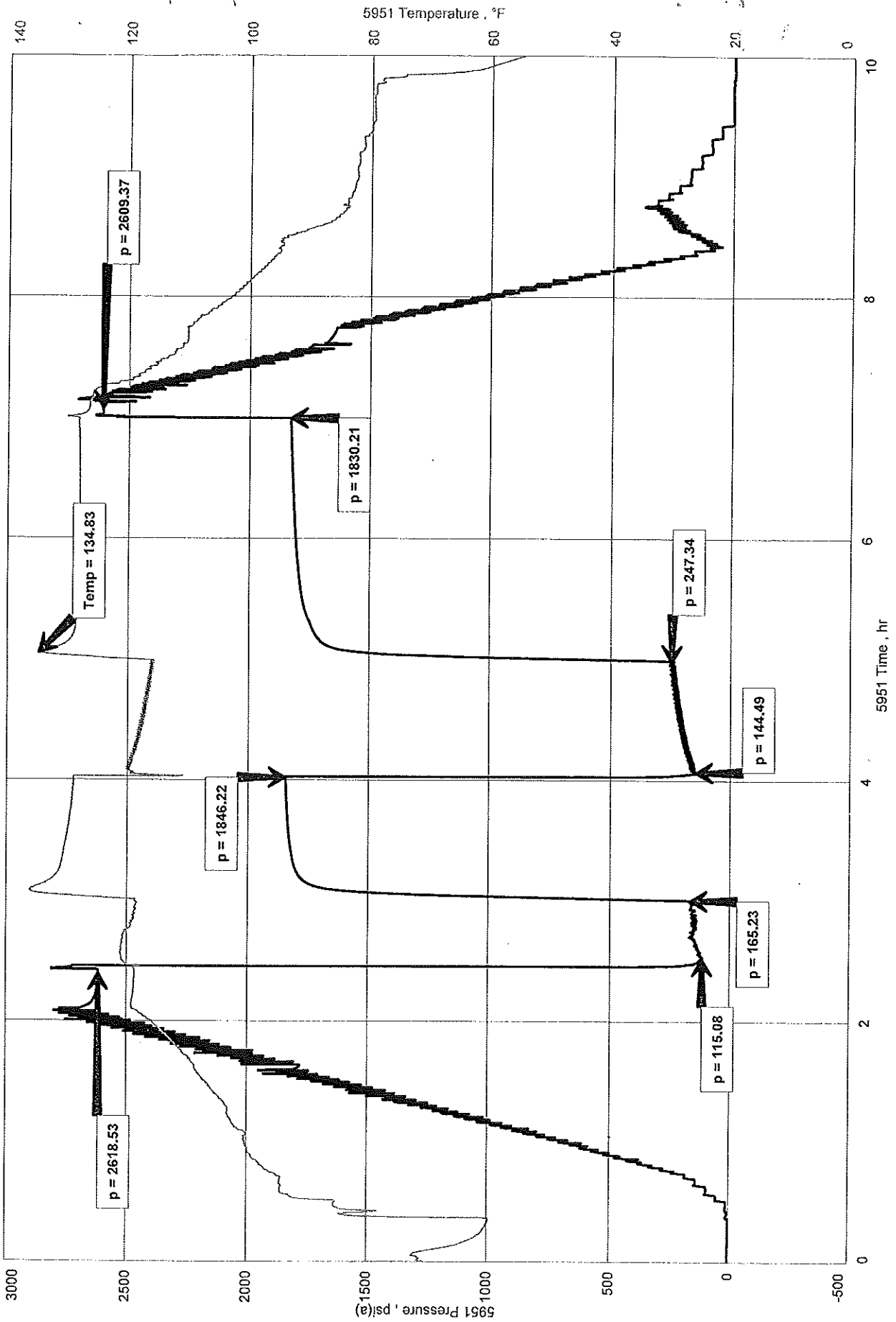
OCTANE RATING: 119.7

-----  
-----  
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  
Formation: Morrow 5562'-5600'  
Pool: WILDCAT  
Job Number: F452

# ROCK #1-23





**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

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     

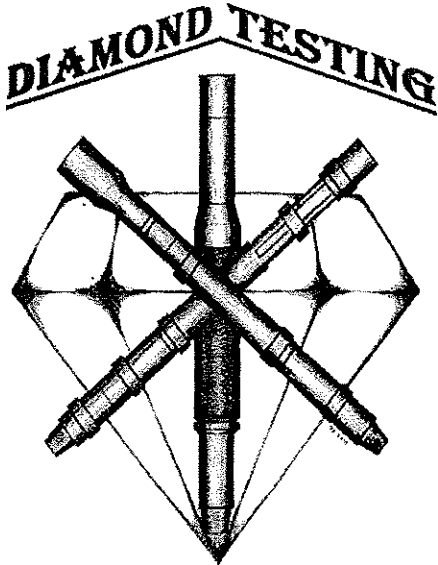
Time Set Packer(s) 7:12 A.M. Time Started off Bottom 11:42 A.M. Maximum Temperature 143°  
 Initial Hydrostatic Pressure.....(A) 2795 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 196 P.S.I. to (C) 511 P.S.I.  
 Initial Closed In Period.....Minutes 60 (D) 2094 P.S.I.  
 Final Flow Period.....Minutes 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".

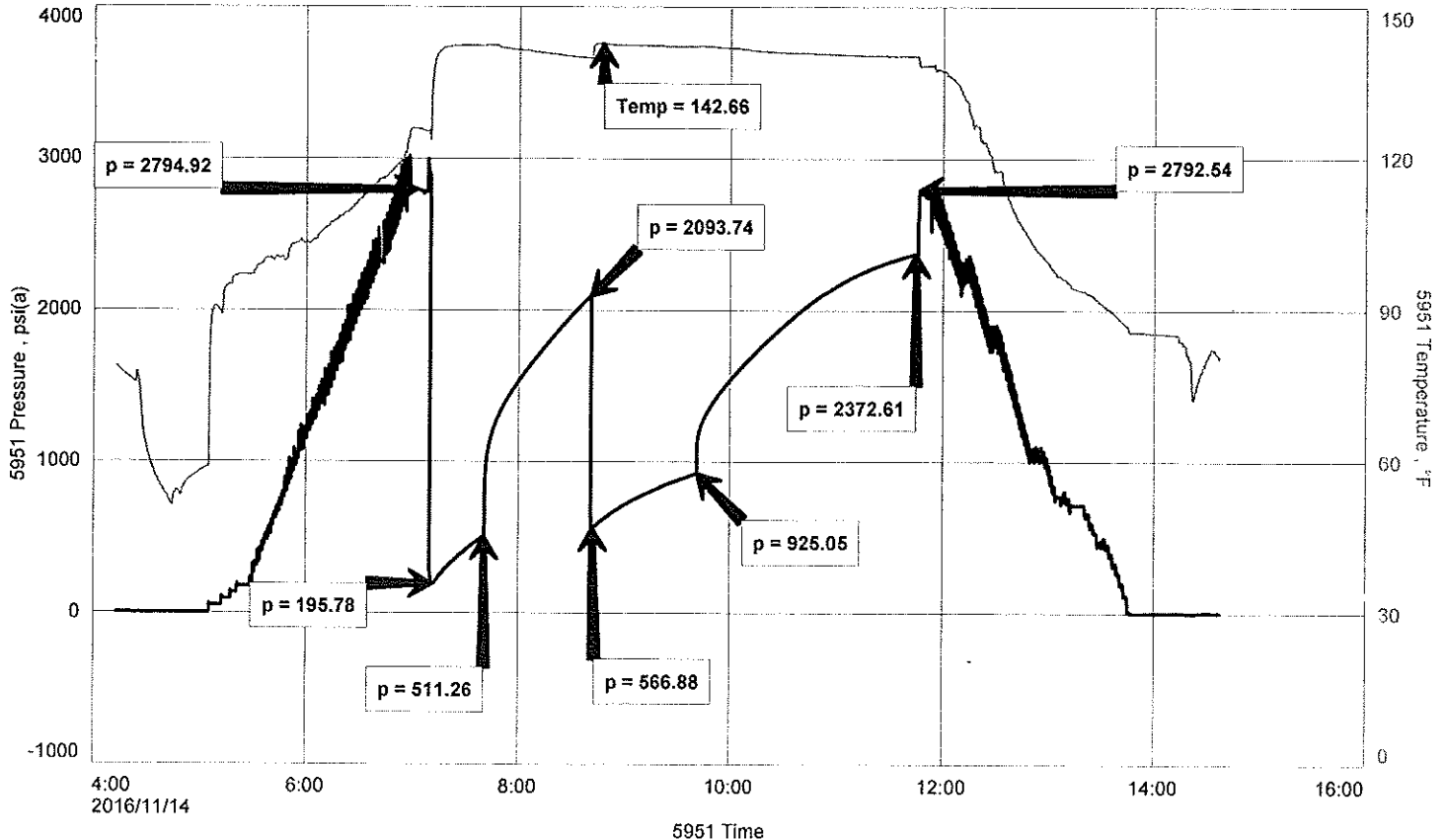
TOTAL RECOVERED FLUID: 1860'

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

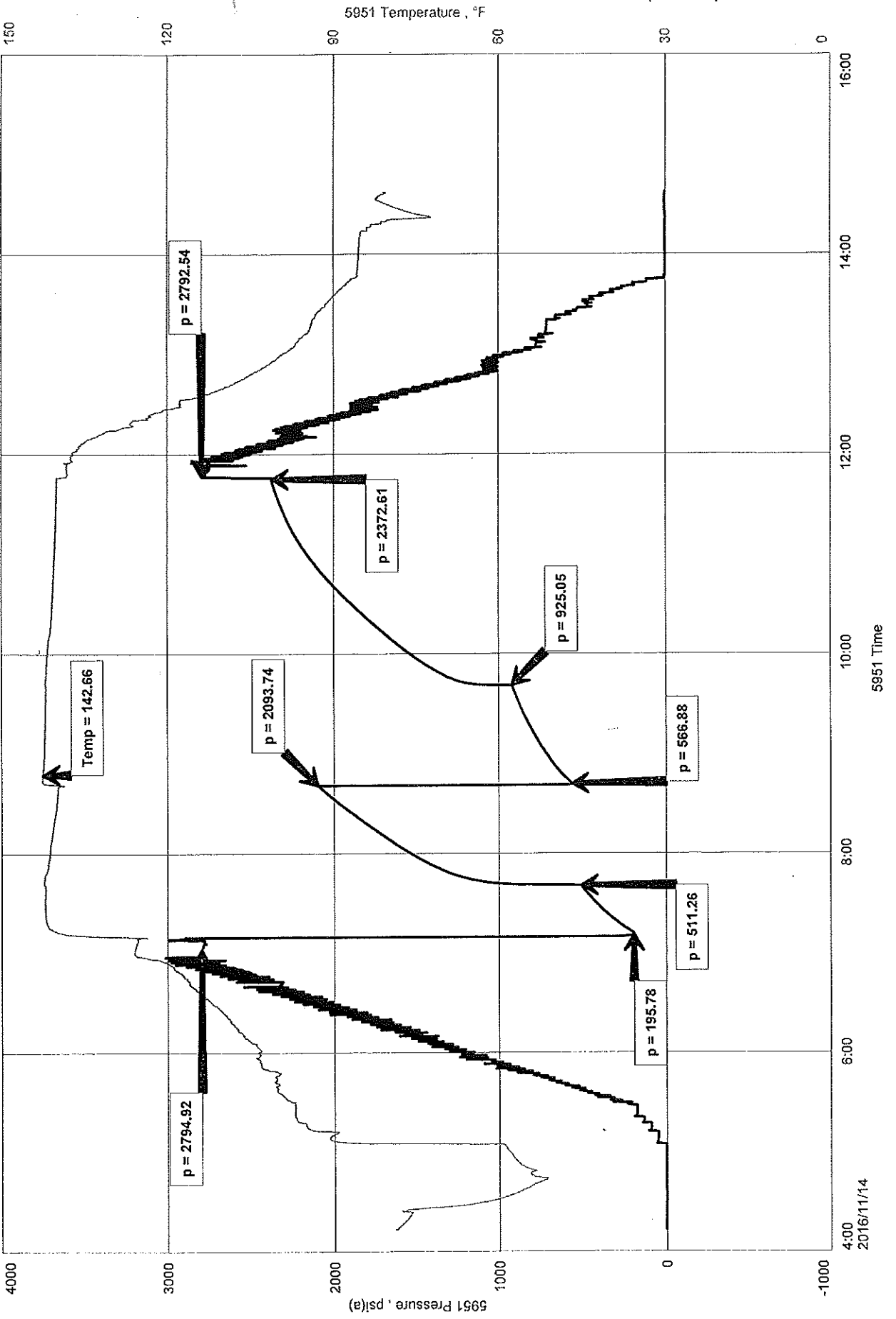
## ROCK #1-23



Raydon Exploration, Inc.  
DST #4 St. Louis 5940'-5963'  
Start Test Date: 2016/1/14  
Final Test Date: 2016/1/14

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 Drill Collar Length 300 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 72 Weight Pipe Length      ft I.D.      in.  
Weight 8.8 Water Loss 4.0 cc. Drill Pipe Length 5,647 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 15 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 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: 2016/1/15  
Final Test Date: 2016/1/15

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

# ROCK #1-23

