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: Myron Heston
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 #:

10/01/2016	10/18/2016	11/15/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-175-22249-00-00
Spot Description:
__ - E2 - SW - SW Sec. 27 Twp. 33 S. R. 31 ☐ East ☑ West
660 Feet from ☐ North / ☑ South Line of Section
990 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: PARITY Well #: 1-27
Field Name:
Producing Formation: N/A
Elevation: Ground: 2727 Kelly Bushing: 2738
Total Vertical Depth: 6293 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1668 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: 2300 ppm Fluid volume: 2148 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: 01/12/2017
☑ **Confidential Release Date:** 01/12/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 01/13/2017

Page Two

Operator Name: Raydon Exploration, Inc. Lease Name: PARITY Well #: 1-27

Sec. 27 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	4313	-1575
Morrow	5623	-2885
St Louis	6031	-3293

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
Surface	12.25	8.625	24	1668	A-Con, Prem Plus	550	3%CC,1/4#Poly

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:			Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*		

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:	Set At:	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	PARITY 1-27
Doc ID	1326963

All Electric Logs Run

Array Compensated True Resistivity Log
Borehole Compensated Sonic Log
Spectral Density Dual Spaced Neutron Log
Microlog

Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	PARITY 1-27
Doc ID	1326963

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1668	A-Con, Prem Plus	550	3%CC,1/4 #Poly

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PARITY1DST1

Company Raydon Exploration, Inc. Lease & Well No. Parity No. 1-27
Elevation 2738 KB Formation Upper Marmaton Effective Pay -- Ft. Ticket No. F446
Date 10-9-16 Sec. 27 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 5,115 ft. to 5,125 ft. Total Depth 5,125 ft
Packer Depth 5,110 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 5,115 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 5,117 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 5,118 ft. Recorder Number 5584 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 264 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 58 Weight Pipe Length -- ft I.D. -- in.
Weight 8.8 Water Loss 5.6 cc. Drill Pipe Length 4,823 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 10 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: Weak blow increasing to 6 ins. No blow back during shut-in.
2nd Open: Weak blow increasing to 9 ins. No blow back during shut-in.

Recovered 20 ft. of oil specked, watery mud = .247360 bbls. (Grind out: 3%-oil; 27%-water; 70%-mud)
Recovered 260 ft. of salt water = 1.279200 bbls. (Grind out: 100%-water) Chlorides: 124,000 Ppm PH: 7.0 RW: .08 @ 60°
Recovered 280 ft. of TOTAL FLUID = 1.526560 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks

Time Set Packer(s) 10:55 P.M. Time Started off Bottom 3:25 A.M. Maximum Temperature 127°

Initial Hydrostatic Pressure		(A) 2404 P.S.I.		
Initial Flow Period	Minutes 30	(B) 34 P.S.I.	to (C) 106 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1535 P.S.I.		
Final Flow Period	Minutes 60	(E) 110 P.S.I	to (F) 182 P.S.I.	
Final Closed In Period	Minutes 120	(G) 1543 P.S.I.		
Final Hydrostatic Pressure		(H) 2390 P.S.I.		

DIAMOND TESTING GENERAL REPORT

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

TEST INFORMATION

Well Name	Parity #1-27
Company Name	Raydon Exploration, Inc.
Formation	DST #1, Upper Marmaton 5115'-5125'
Test Type	Bottom-Hole w/J,SJ,ShPkr
Surface Location	Sec 27-33s-31w-Seward Co.-KS
KB Elevation (SL)	2738.000
Gauge Name	5951
Start Test Date	2016/10/09
Start Test Time	20:21:00
Final Test Date	2016/10/10
Final Test Time	07:11:00
Job Number	F446
Contact	Myron Heston
Site Contact	Ed Grieves

TEST RESULTS

Initial flow, weak blow increased to 6". No blowback.
Final flow, weak blow increased to 9". No blowback.

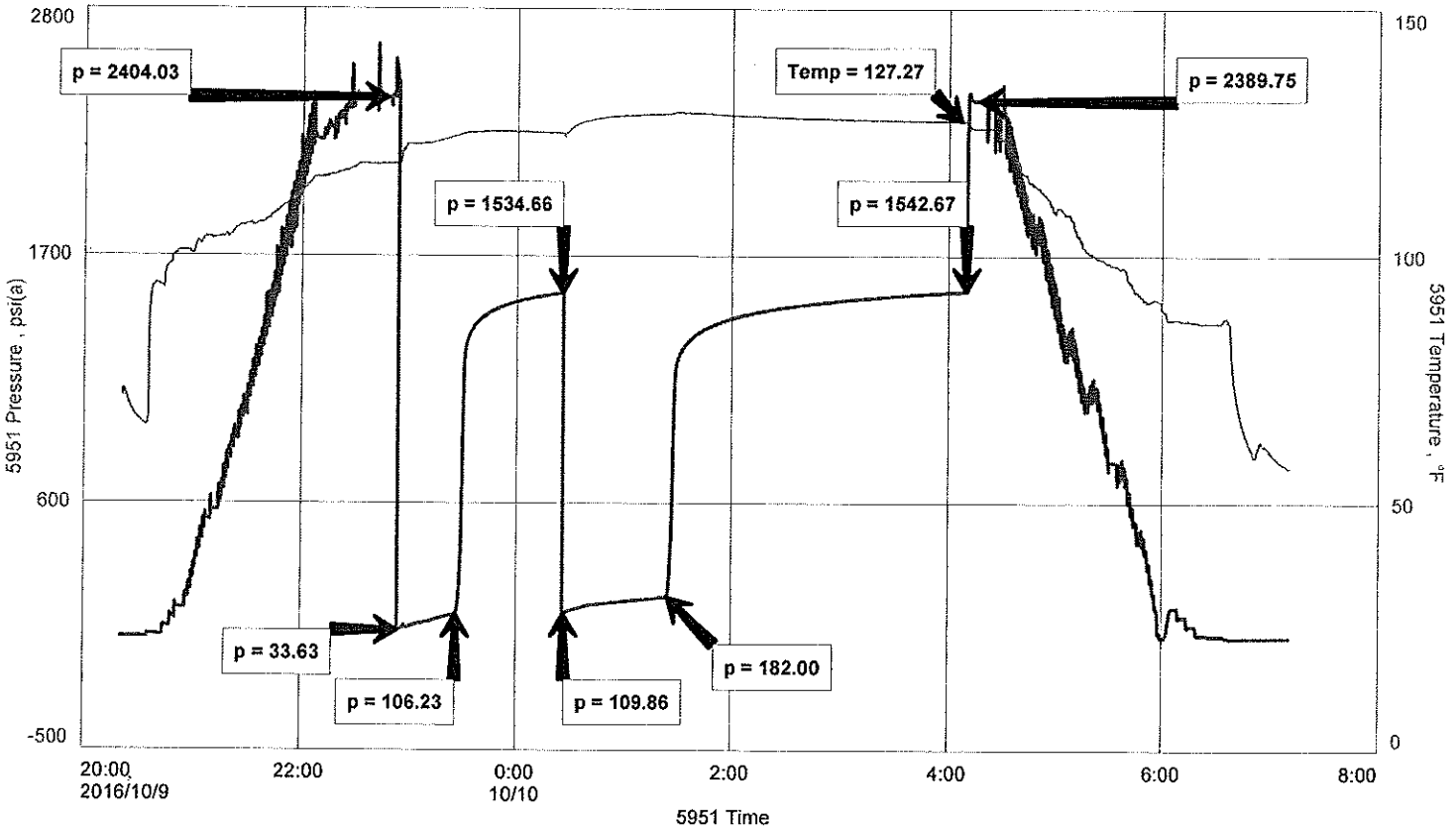
TOTAL RECOVERED FLUID: 280'

20'	OSWM	3% oil, 27% wtr, 70% mud
260'	Salt Water	100% wtr

----- Chlorides: 124,000 PPM ----- PH: 7.0 ----- RW: .08 @ 60 Deg F -----

Raydon Exploration, Inc.
DST #1 Upper Marmaton 5115'-5125'
Start Test Date: 2016/10/09
Final Test Date: 2016/10/10

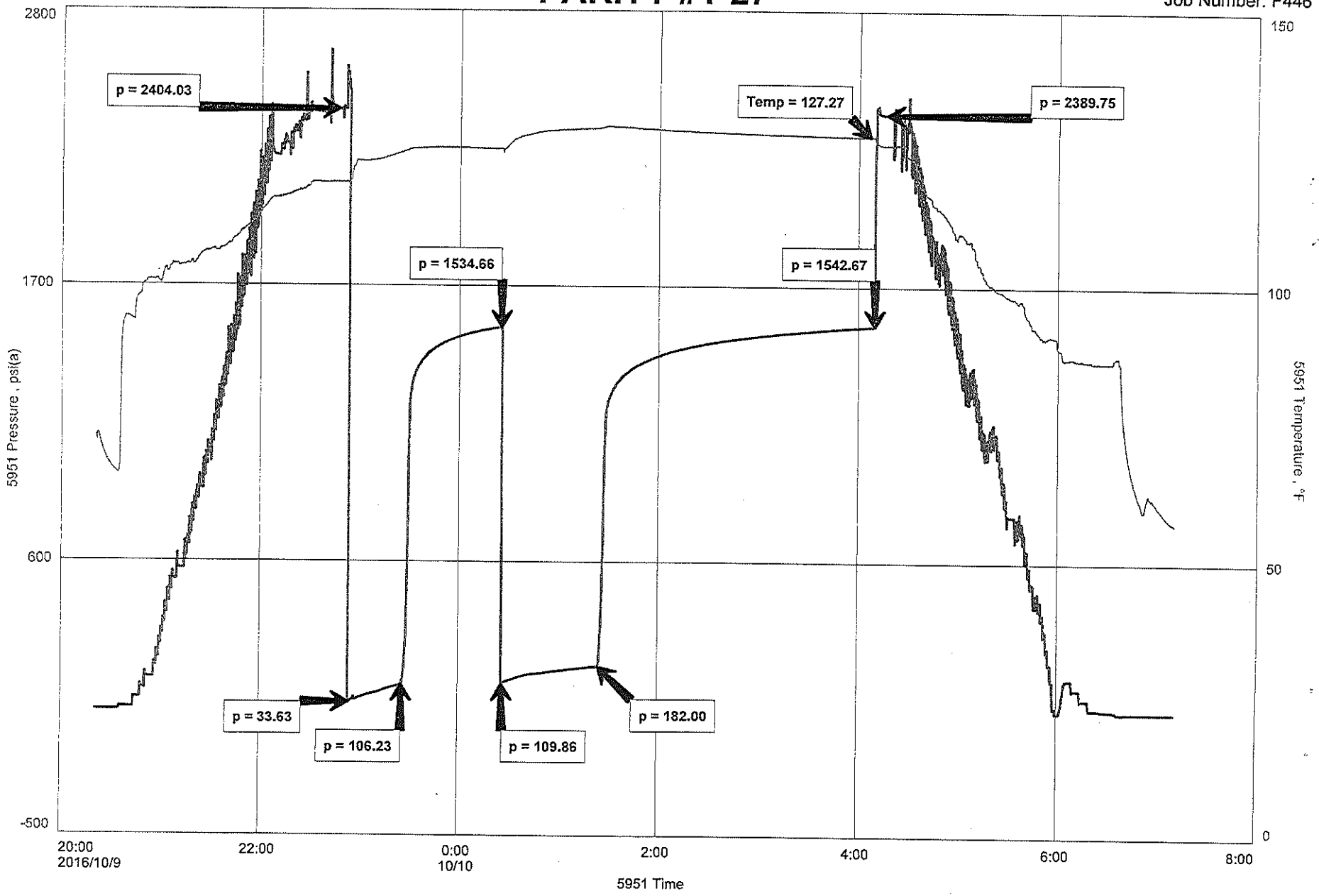
Parity #1-27
Formation: Upper Marmaton 5115'-5125'
Pool: WILDCAT
Job Number: F446



Raydon Exploration, Inc.
DST #1 Upper Marmaton 5115'-5125'
Start Test Date: 2016/10/09
Final Test Date: 2016/10/10

PARITY #1-27

Parity #1-27
Formation: Upper Marmaton 5115'-5125'
Pool: WILDCAT
Job Number: F446



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PARITY1DST2

Company Raydon Exploration, Inc. Lease & Well No. Parity No. 1-27
Elevation 2738 KB Formation 2nd Marmaton Effective Pay -- Ft. Ticket No. F447
Date 10-10-16 Sec. 27 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 5,133 ft. to 5,143 ft. Total Depth 5,143 ft
Packer Depth 5,128 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 5,133 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ____ ft.

Top Recorder Depth (Inside) 5,135 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 5,136 ft. Recorder Number 5584 Cap. 5,000 psi.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 264 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 68 Weight Pipe Length -- ft I.D. -- in.
Weight 8.8 Water Loss 6.8 cc. Drill Pipe Length 4,841 ft I.D. 3 1/2 in.
Chlorides 2,500 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 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: Weak blow increasing to 3 1/4 ins. No blow back during shut-in.
2nd Open: Weak blow increasing to 3 1/2 ins. No blow back during shut-in.

Recovered 265 ft. of salt water = 1.313110 bbls. (Grind out: 100%-water) Chlorides: 85,000 Ppm PH: 8.0 RW: .10 @ 65°
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks ____

Time Set Packer(s) 7:00 P.M. Time Started off Bottom 11:30 P.M. Maximum Temperature 128°

Initial Hydrostatic Pressure		(A) 2521 P.S.I.		
Initial Flow Period	Minutes 30	(B) 25 P.S.I.	to (C)	71 P.S.I.
Initial Closed In Period	Minutes 60	(D) 1544 P.S.I.		
Final Flow Period	Minutes 60	(E) 74 P.S.I	to (F)	151 P.S.I.
Final Closed In Period	Minutes 120	(G) 1542 P.S.I.		
Final Hydrostatic Pressure		(H) 2516 P.S.I.		

DIAMOND TESTING GENERAL REPORT

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

TEST INFORMATION

Well Name	Parity #1-27
Company Name	Raydon Exploration, Inc.
Formation	DST #2, 2nd Marmaton 5133'-5143'
Test Type	Bottom-Hole w/J,SJ,ShPkr
Surface Location	Sec 27-33s-31w-Seward Co.-KS
KB Elevation (SL)	2738.000
Gauge Name	5951
Start Test Date	2016/10/10
Start Test Time	16:53:00
Final Test Date	2016/10/11
Final Test Time	02:49:00
Job Number	F447
Contact	Myron Heston
Site Contact	Ed Grieves

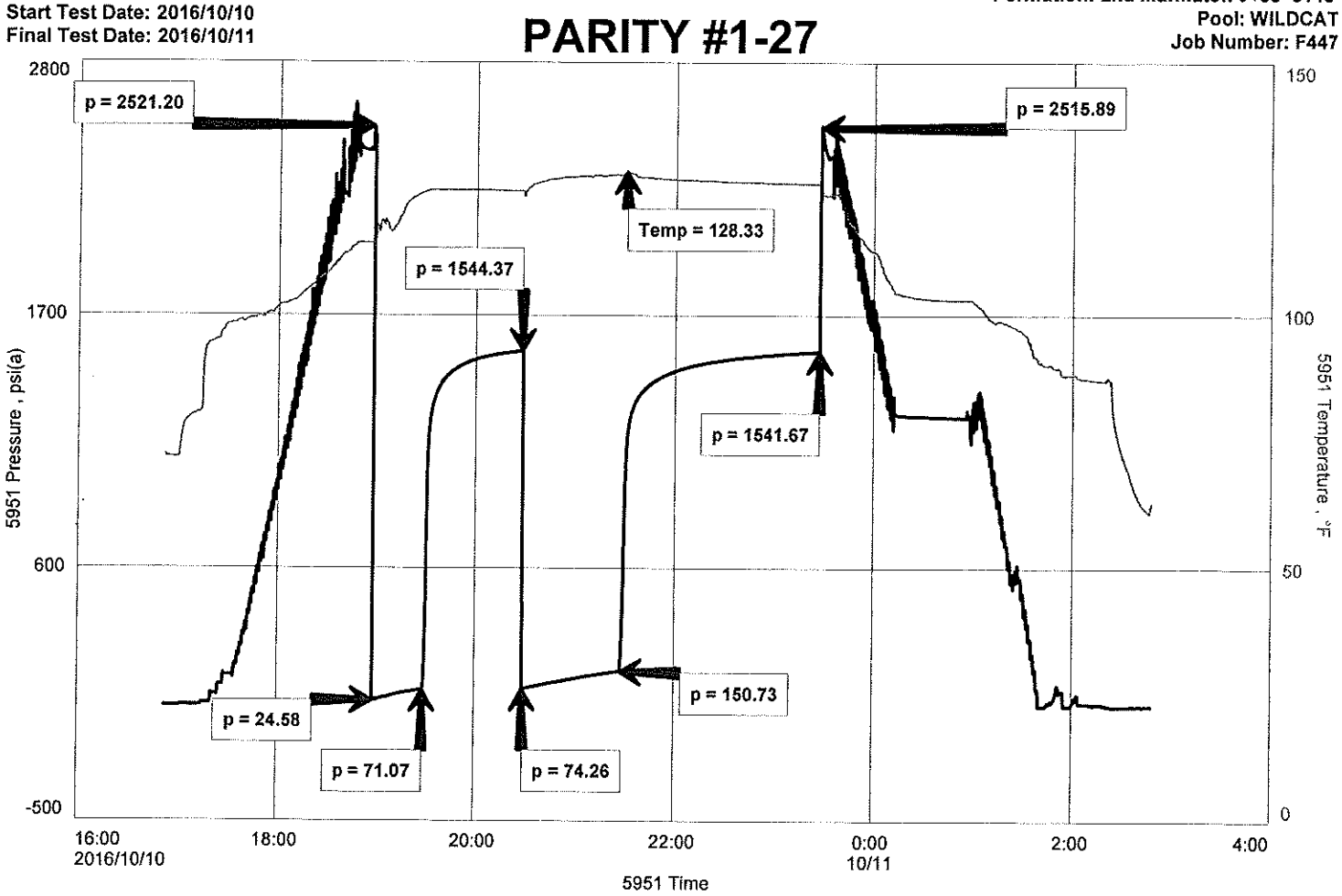
TEST RESULTS

Initial flow, weak blow increased to 3.25". No blowback.
Final flow, weak blow increased to 3.5". No blowback.

Recovered 265' of salt water.
----- Chlorides: 85,000 PPM ----- PH: 8.0 ----- RW: .08 @ 60 Deg F -----

Raydon Exploration, Inc.
DST #2 2nd Marmaton 5133'-5143'
Start Test Date: 2016/10/10
Final Test Date: 2016/10/11

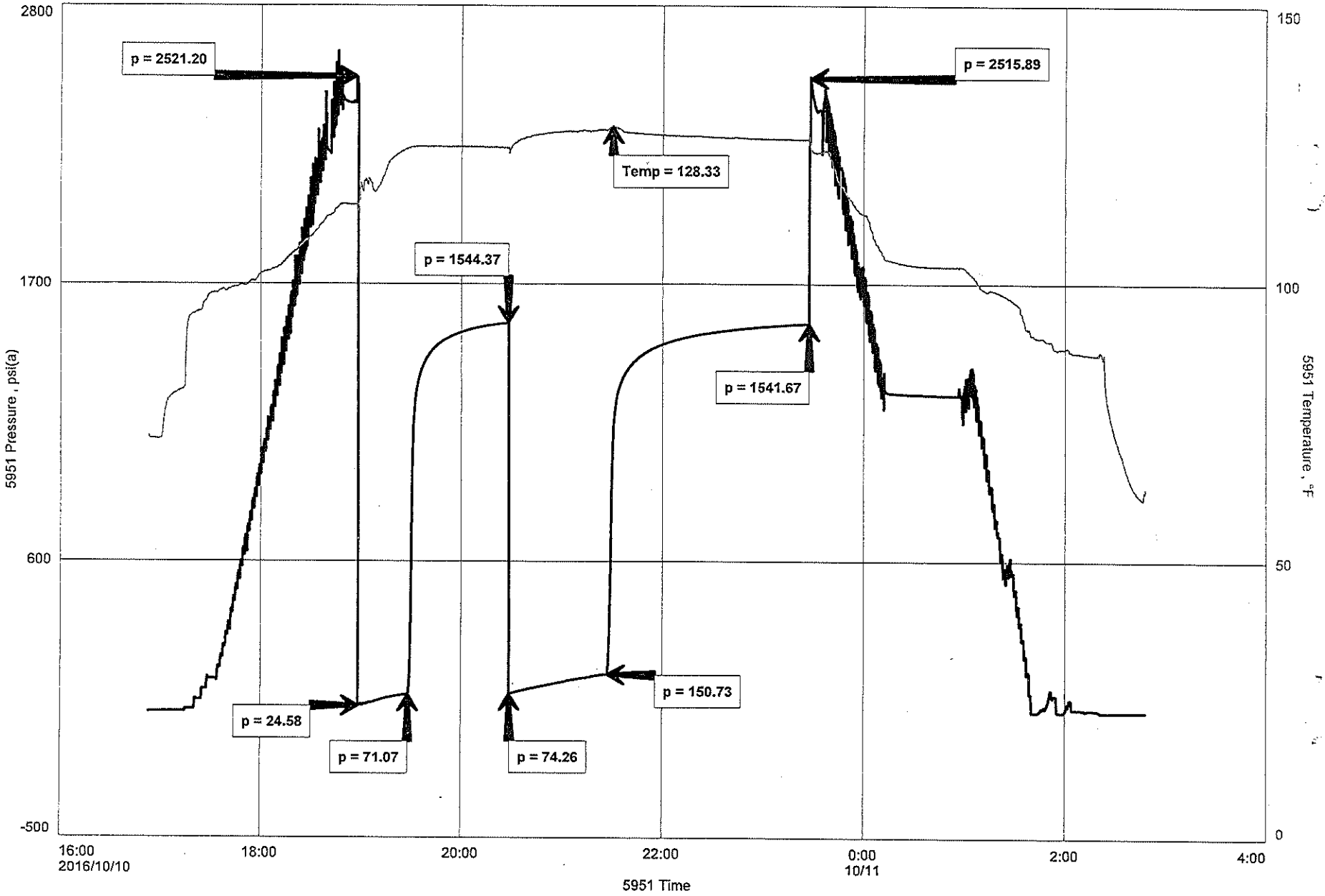
Parity #1-27
Formation: 2nd Marmaton 5133'-5143'
Pool: WILDCAT
Job Number: F447



Raydon Exploration, Inc.
DST #2 2nd Marmaton 5133'-5143'
Start Test Date: 2016/10/10
Final Test Date: 2016/10/11

PARITY #1-27

Parity #1-27
Formation: 2nd Marmaton 5133'-5143'
Pool: WILDCAT
Job Number: F447



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PARITY1DST3

Company Raydon Exploration, Inc. Lease & Well No. Parity No. 1-27
Elevation 2738 KB Formation Morrow Effective Pay -- Ft. Ticket No. F448
Date 10-13-16 Sec. 27 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 5,647 ft. to 5,700 ft. Total Depth 5,700 ft
Packer Depth 5,642 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 5,647 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 5,654 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 5,655 ft. Recorder Number 5584 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 264 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 62 Weight Pipe Length -- ft I.D. -- in.
Weight 8.8 Water Loss 5.2 cc. Drill Pipe Length 5,355 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 22' perf. w/31' drill 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: Weak, surface blow. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 10 ft. of drilling mud = .049200 bbls. (Grind out: 100%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks

Time Set Packer(s) 11:56 P.M. Time Started off Bottom 3:56 A.M. Maximum Temperature 128°

Initial Hydrostatic Pressure		(A) 2672 P.S.I.		
Initial Flow Period	Minutes 30	(B) 32 P.S.I.	to (C) 33 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 50 P.S.I.		
Final Flow Period	Minutes 30	(E) 33 P.S.I	to (F) 36 P.S.I.	
Final Closed In Period	Minutes 120	(G) 50 P.S.I.		
Final Hydrostatic Pressure		(H) 2669 P.S.I.		

DIAMOND TESTING GENERAL REPORT

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

TEST INFORMATION

Well Name	Parity #1-27
Company Name	Raydon Exploration, Inc.
Formation	DST #3, Morrow 5647'-5700'
Test Type	Bottom-Hole w/J,SJ,ShPkr
Surface Location	Sec 27-33s-31w-Seward Co.-KS
KB Elevation (SL)	2738.000
Gauge Name	5951
Start Test Date	2016/10/13
Start Test Time	21:21:00
Final Test Date	2016/10/14
Final Test Time	07:01:00
Job Number	F448
Contact	Myron Heston
Site Contact	Ed Grieves

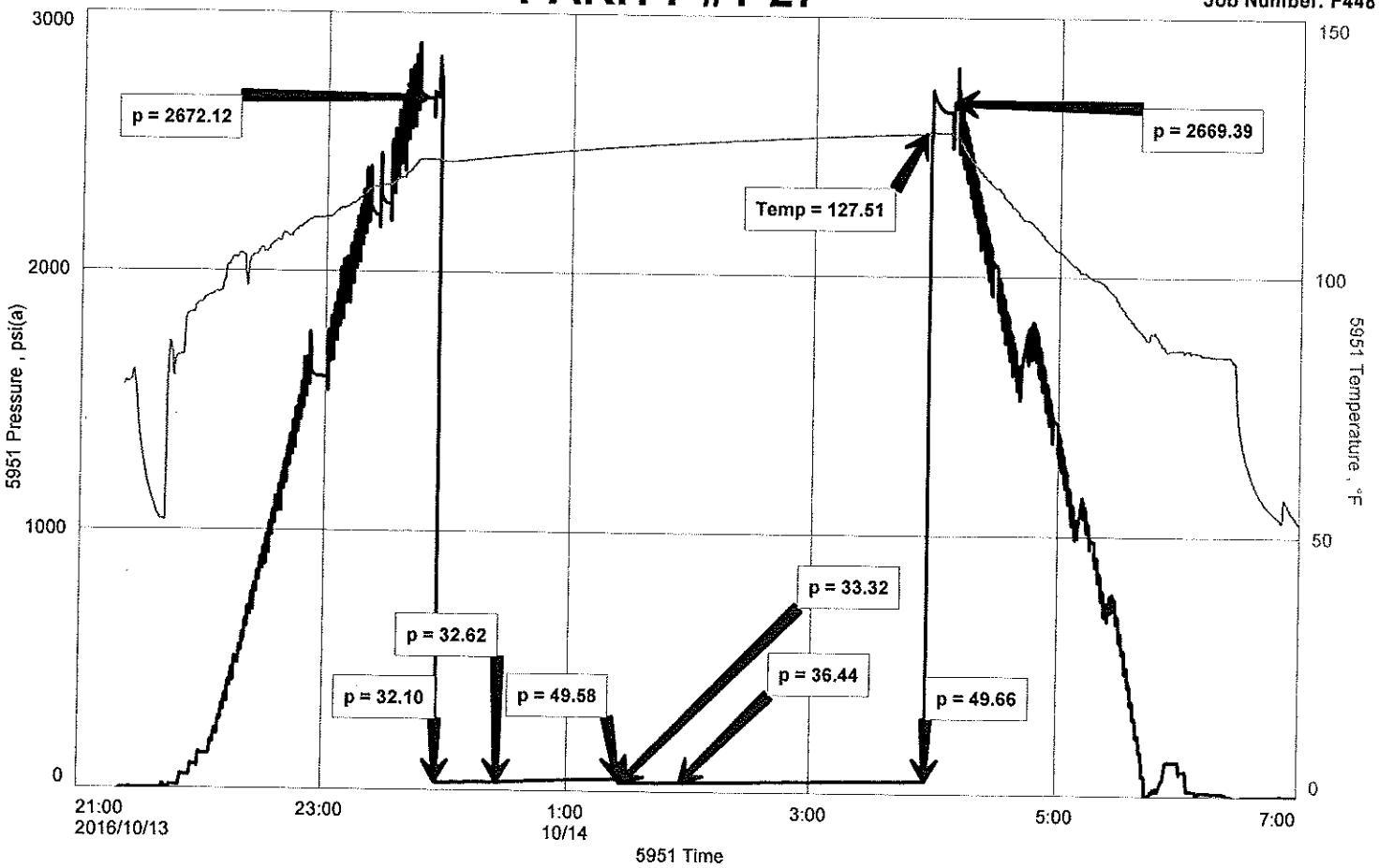
TEST RESULTS

Initial flow, weak surface blow. No blowback.
Final flow, no blow. No blowback.

Recovered 10' of drilling mud. 100% mud.

Raydon Exploration, Inc.
DST #3 Morrow 5647'-5700'
Start Test Date: 2016/10/13
Final Test Date: 2016/10/14

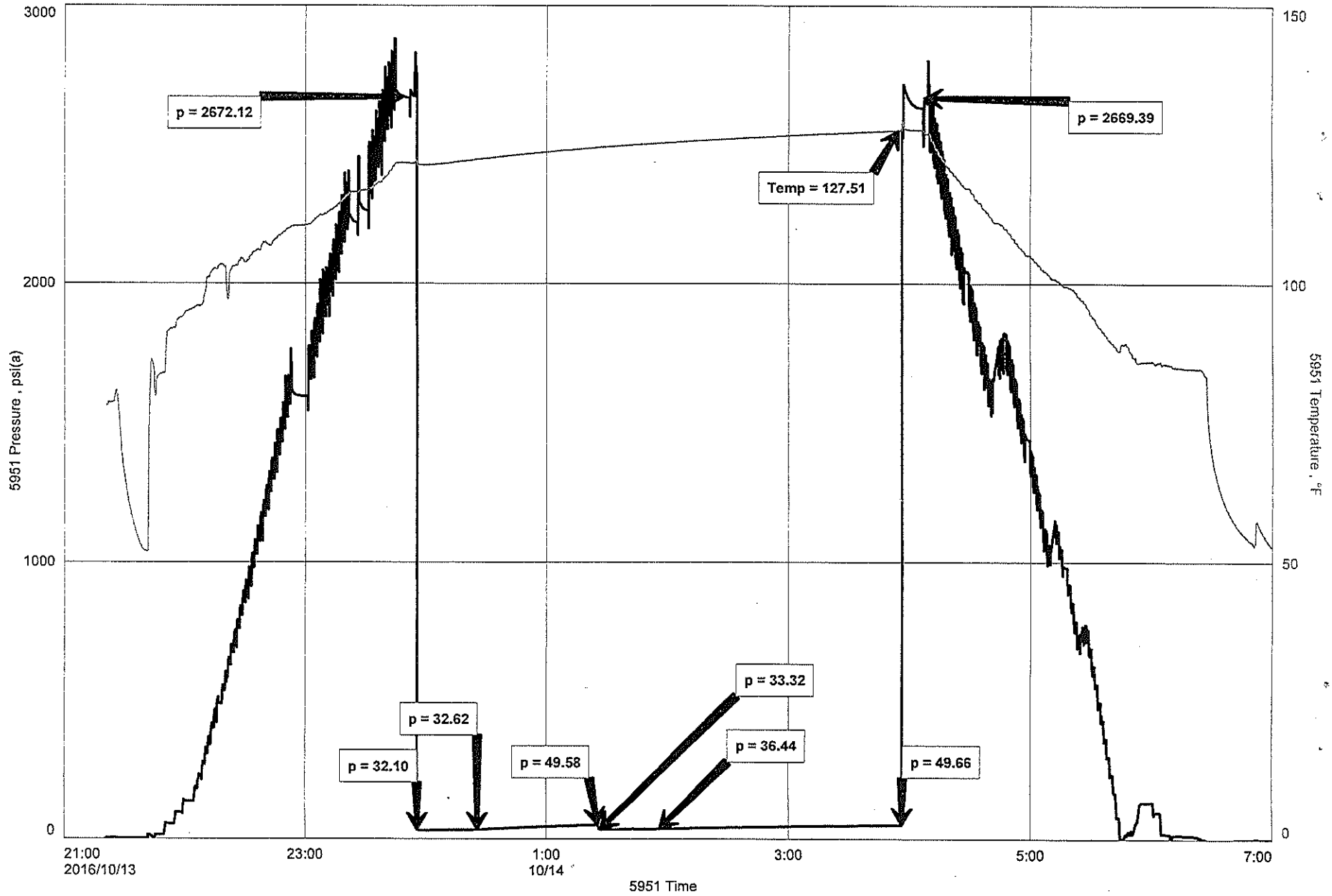
Parity #1-27
Formation: Morrow 5647'-5700'
Pool: WILDCAT
Job Number: F448



Raydon Exploration, Inc.
DST #3 Morrow 5647'-5700'
Start Test Date: 2016/10/13
Final Test Date: 2016/10/14

PARITY #1-27

Parity #1-27
Formation: Morrow 5647'-5700'
Pool: WILDCAT
Job Number: F448



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PARITY1DST4

Company Raydon Exploration, Inc. Lease & Well No. Parity No. 1-27
Elevation 2738 KB Formation St. Louis Effective Pay -- Ft. Ticket No. F449
Date 10-17-16 Sec. 27 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 6,194 ft. to 6,243 ft. Total Depth 6,243 ft
Packer Depth 6,189 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 6,194 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 6,201 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 6,202 ft. Recorder Number 5584 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Quest Drilling Services, LLC - Rig 102 Drill Collar Length 264 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 57 Weight Pipe Length -- ft I.D. -- in.
Weight 8.8 Water Loss 5.2 cc. Drill Pipe Length 5,902 ft I.D. 3 1/2 in.
Chlorides 1,800 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 16' perf. w/33' drill 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: Surface blow. Died in 10 mins. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 15 ft. of drilling mud = .073800 bbls. (Grind out: 100%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks

Time Set Packer(s) 5:47 P.M. Time Started off Bottom 9:47 P.M. Maximum Temperature 136°
Initial Hydrostatic Pressure.....(A) 2887 P.S.I.
Initial Flow Period.....Minutes 30 (B) 26 P.S.I. to (C) 35 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 1912 P.S.I.
Final Flow Period.....Minutes 30 (E) 37 P.S.I to (F) 44 P.S.I.
Final Closed In Period.....Minutes 120 (G) 1915 P.S.I.
Final Hydrostatic Pressure.....(H) 2872 P.S.I.

DIAMOND TESTING GENERAL REPORT

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

TEST INFORMATION

Well Name	Parity #1-27
Company Name	Raydon Exploration, Inc.
Formation	DST #4, St. Louis 6194'-6243'
Test Type	Bottom-Hole w/J,SJ, ShPkr
Surface Location	Sec 27-33s-31w-Seward Co.-KS
KB Elevation (SL)	2738.000
Gauge Name	5951
Start Test Date	2016/10/17
Start Test Time	15:34:00
Final Test Date	2016/10/18
Final Test Time	00:31:00
Job Number	F449
Contact	Myron Heston
Site Contact	Ed Grieves

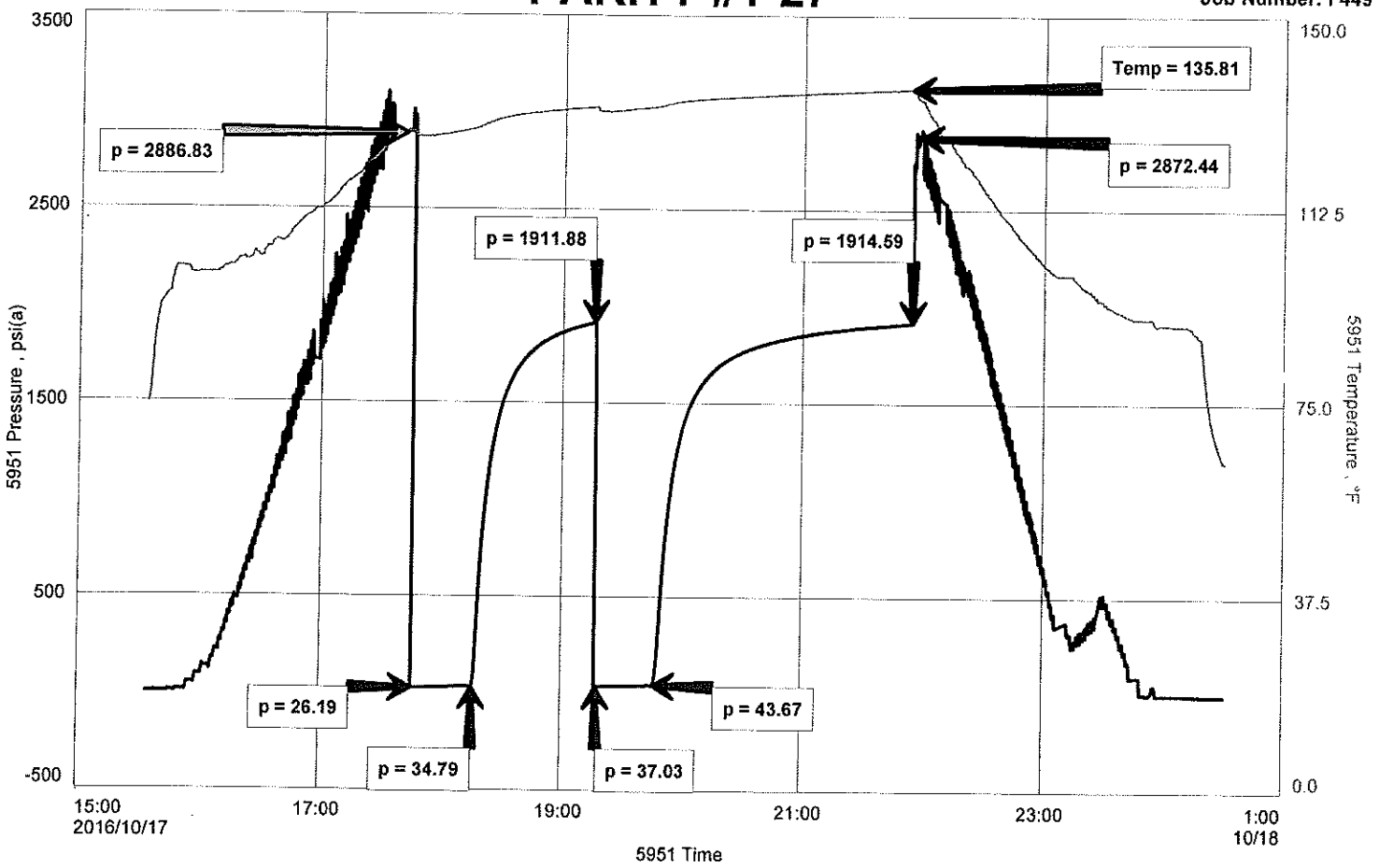
TEST RESULTS

Initial flow, surface blow, dead in 10 minutes. No blowback.
Final flow, no blow. No blowback.

Recovered 10' of drilling mud.

Raydon Exploration, Inc.
DST #4 St. Louis 6194'-6243'
Start Test Date: 2016/10/17
Final Test Date: 2016/10/18

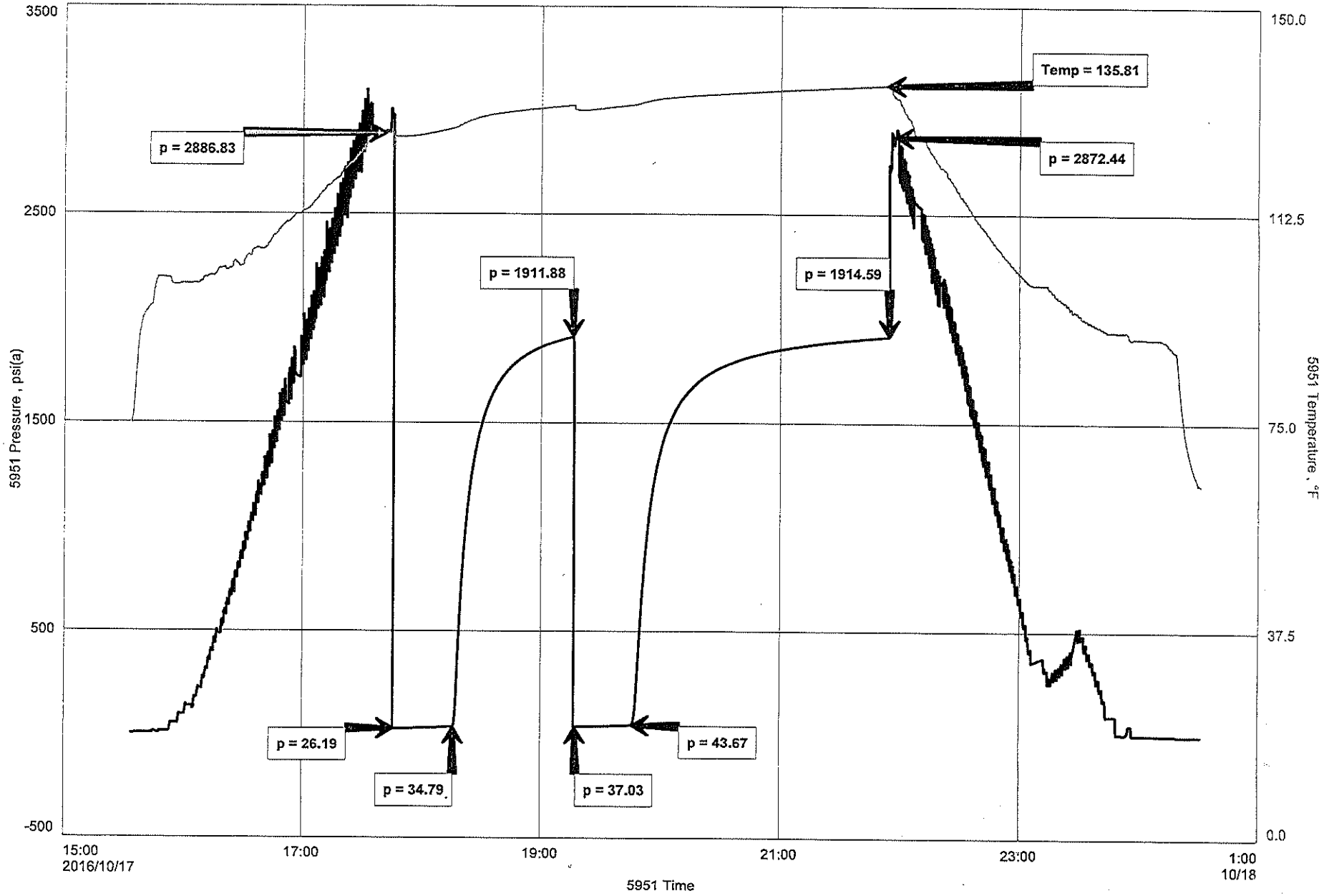
Parity #1-27
Formation: St. Louis 6194'-6243'
Pool: WILDCAT
Job Number: F449

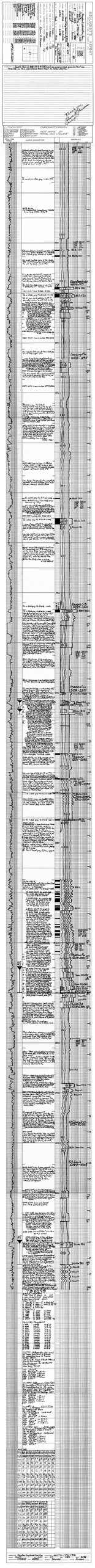


Raydon Exploration, Inc.
DST #4 St. Louis 6194'-6243'
Start Test Date: 2016/10/17
Final Test Date: 2016/10/18

Parity #1-27
Formation: St. Louis 6194'-6243'
Pool: WILDCAT
Job Number: F449

PARITY #1-27





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 6.5Hrs.	Operator TRK No.:	39878		
Address:	1601 NW Expressway STE 1300	Ticket #:	1718 13744 L	Bulk TRK No.:	19827, 19808 Santiago	33021,14284 Luis	
City, State, Zip:	OKC OK 73118	Job Type:	Z42 - Cement Surface Casing				
Service District:	1718 - Liberal, Ks.	Well Type:	OIL				
Well Name and No.:	Parity 1-27	Well Location:	27,33,31	County:	Seward	State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	400	3% Calcium Chloride, 1/4# Polyflake, .2%WCA1	19827, 19808 Santiago	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4# Polyflake	33021,14284 Luis	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.95	18.1	1180	Man Hours:	7
Tail:	14.8	1.34	6.33	201	# 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
2;30							ON LOCATION
2:35							SAFETY MEETING
2:45 AM							RIG UP
3:15 AM							WAIT ON RIG
6:40 AM							RIG UP & CIRCULATE
7:14							RIG TO P.T.
7:15							PRESSURE TEST TO 2200PSI
7:23 AM	5.6	210.1 slurry				170	PUMP 400SX LEAD @ 11.4#
8:06	5.8	35.7 slurry				180	PUMP 150SX TAIL @ 14.8#
8:16							SHUTDOWN / DROP PLUG
8:18	5.7	10				80	DISPLACE
	5.7	20				80	
	5.6	30				110	
	5.7	40				150	
	5.7	50				180	
	5.6	60				230	
	5.7	70				310	
	5.5	80				370	
	5.4	90				450	
8:40	5.4	93				450	SLOW RATE TO 2.4 @ 400
8:45	2.4	103.6				410	LAND PLUG PRESSURE UP TO 1030PSI
8:46							RELEASE BACK --- FLOAT HELD
							JOB COMPLETE

Size Hole	12 1/4"	Depth				TYPE	PLUG CONTAINER	
Size & Wt. Csg.	8 5/8" 24#	Depth	1672'	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:	10/3/2016

ALLIED OFS, LLC

Cement Job Summary

Job Number:	LIB1610200345	Job Purpose	03 Plug		
Customer:	Raydon Exploration Inc			Date:	10/20/2016
Well Name:	Parity	Number:	1-27	API/UWI:	
County:	Seward	City:		State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	
Legal Desc:	SEC 27-33-31			Rig Name:	QUEST 102
Distance	30 miles (one way)			Supervisor	Aldo Espinosa

Employees:		Employees:	Emp. ID:
ALDO ESPINOZA			
GERARDO BURCIAGA			
JOSE CALDERON			

Equipment:	
984-	
903-501	
870-4-744-5	

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	12 1/4	100%	1390	1,650	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	
OPEN HOLE	7 7/8		1650	1,700	
OPEN HOLE	7 7/8			1,650	
OPEN HOLE	7 7/8				
OPEN HOLE	7 7/8				

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	1,668
SHOE	8 5/8	24	8.097	J-55	1,626	1,668
PREVIOUS CASING	8 5/8	24	8.097	J-55	0	1,668
TUBING/DRILL PIPE	4 1/2	16.6	3.826	J-55	0	1,715

Squeeze Information

Description:	# of Perfs	Perf/Leak Depth	Packer/Retainer Depth	
Leak	0		1715	
Perfs			1715	

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 40/60/4 POZ BLEND - CLASS A	200	13.84	1.41	6.80
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	Displacement	102.4031641	8.33	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 4	Displacement	24.17229612	0.00	n/a	n/a