

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1265827
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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
Recompletion Date

Date Reached TD

Completion Date or
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: _____

1265827



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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Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	Parity 4-34
Doc ID	1265827

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	Parity 4-34
Doc ID	1265827

Tops

Name	Top	Datum
Base Heebner	4305	-1570
Toronto	4318	-1583
Lansing	4436	-1701
Kansas City	4940	-2205
Marmaton	5106	-2371
Pawnee	5229	-2494
Ft. Scott	5278	-2543
Cherokee	5308	-2573
Morrow	5626	-2891
Chester	5717	-2982



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raydon Exploration, Inc.

34-33s-31w Seward Co, KS

1601 NW Expressway
STE 1300
Oklahoma, OK 73118-1462
ATTN: Ed Grieves

Parity 4-34

Job Ticket: 61582

DST#: 1

Test Start: 2015.06.14 @ 07:45:00

GENERAL INFORMATION:

Formation: **Lansing 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:34:30

Time Test Ended: 21:39:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: 4442.00 ft (KB) To 4462.00 ft (KB) (TVD)

Reference Elevations: 2735.00 ft (KB)

Total Depth: 4462.00 ft (KB) (TVD)

2725.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 587.42 psig @ 4459.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.14

End Date:

2015.06.14

Last Calib.:

2015.06.14

Start Time: 07:45:15

End Time:

21:39:00

Time On Btm:

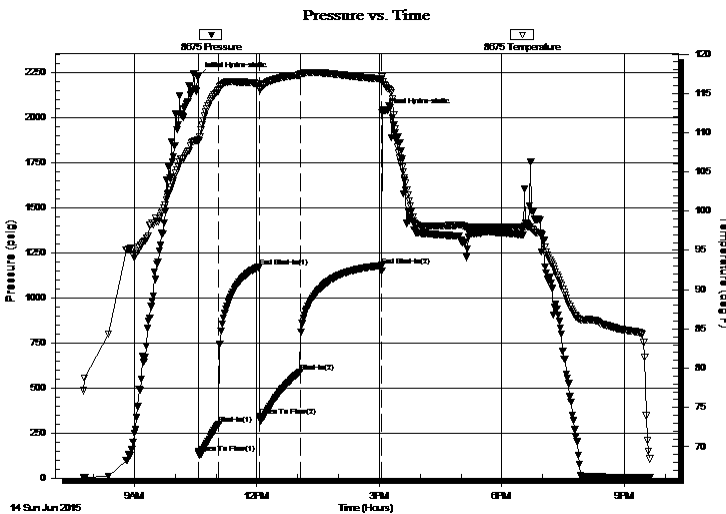
2015.06.14 @ 10:33:30

Time Off Btm:

2015.06.14 @ 15:04:15

TEST COMMENT: B.O.B. in 30 sec, Gas to surface in 30 min.
Bled off for 5 min, B.O.B. return blow in 6 1/2 min.
B.O.B. in 15 sec.
Bled of for 6 min, B.O.B. return blow in 8 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.00	109.10	Initial Hydro-static
1	135.88	109.01	Open To Flow (1)
31	300.70	115.40	Shut-In(1)
91	1171.99	116.21	End Shut-In(1)
91	341.94	115.53	Open To Flow (2)
150	587.42	117.32	Shut-In(2)
270	1180.31	116.81	End Shut-In(2)
271	2028.77	117.11	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
238.00	g	1.17
3010.00	gco 20%G 80%O	42.22
0.00	1450 Feet Gas In Pipe	0.00

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration, Inc.

34-33s-31w Seward Co, KS

1601 NW Expressway
STE 1300
Oklahoma, OK 73118-1462
ATTN: Ed Grieves

Parity 4-34

Job Ticket: 61582

DST#: 1

Test Start: 2015.06.14 @ 07:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 65.95 in³
Resistivity: ohm.m
Salinity: 2500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 41 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
238.00	g	1.170
3010.00	gco 20%G 80%O	42.217
0.00	1450 Feet Gas In Pipe	0.000

Total Length: 3248.00 ft Total Volume: 43.387 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 43 @ 80 F = 41

Serial #: 8675

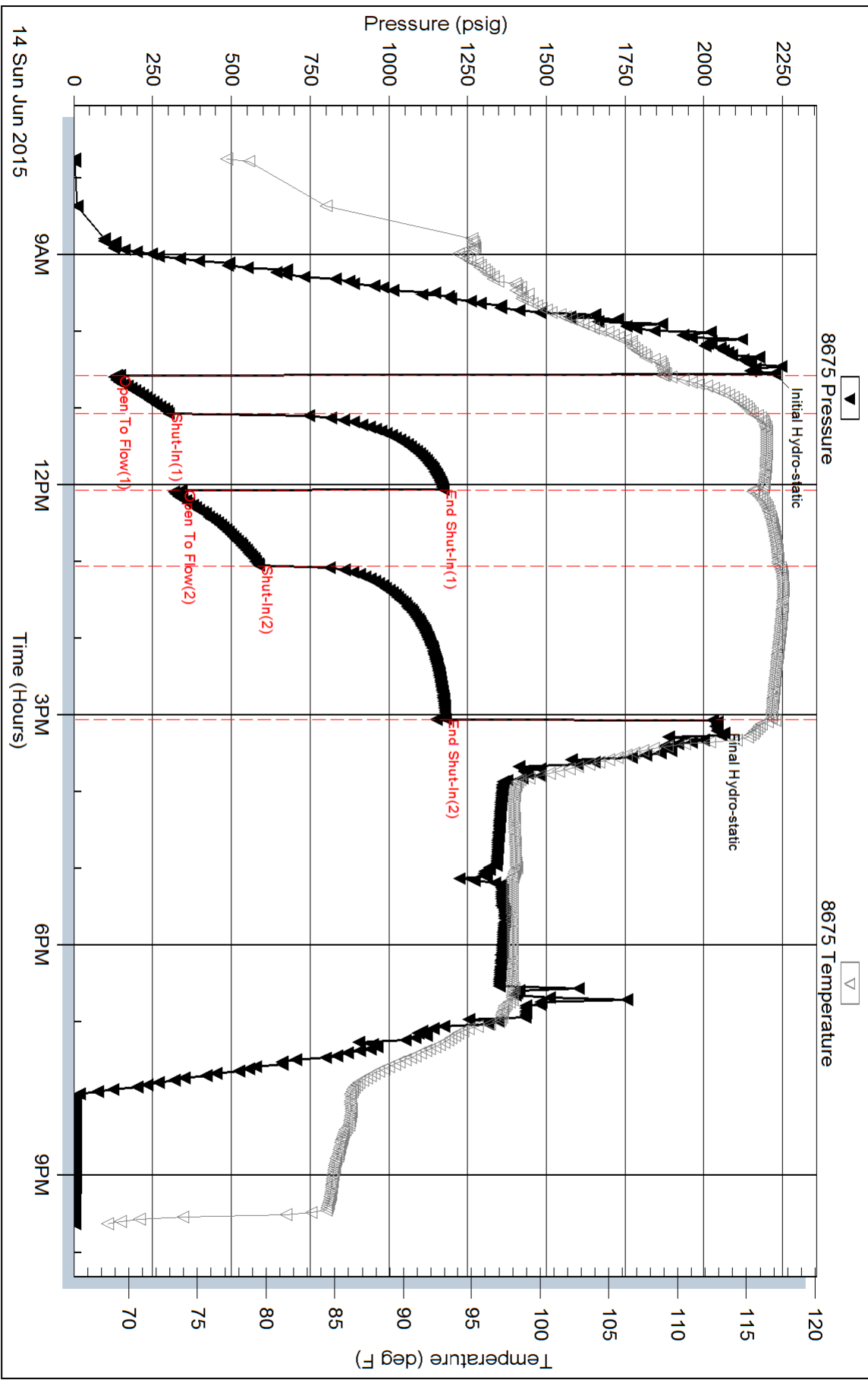
Inside

Raydon Exploration, Inc.

Parity 4-34

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

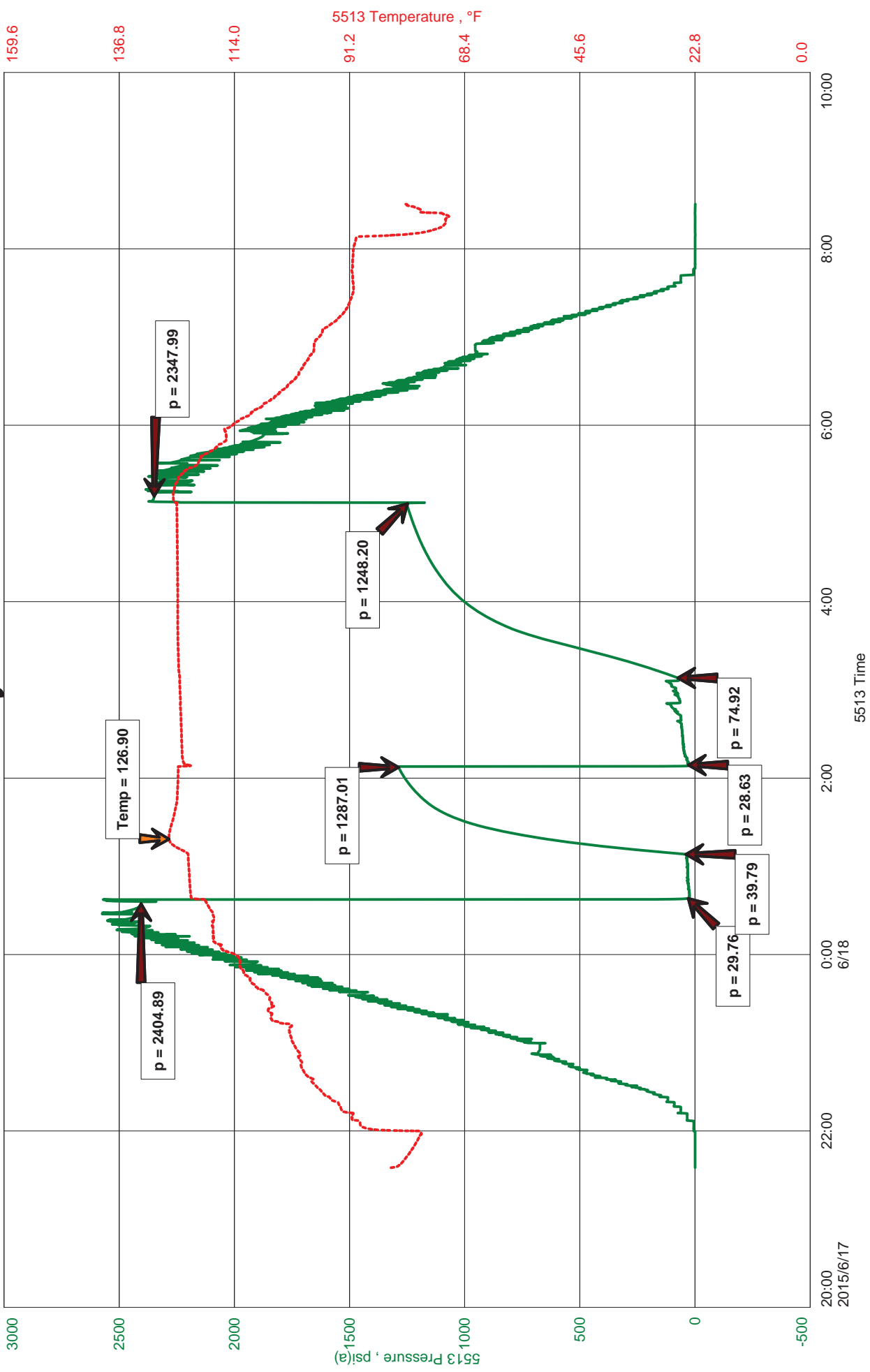
Ref. No: 61582

Printed: 2015.06.14 @ 22:51:13

Raydon Exploration
DST #2 LWR Marmaton 5198-5219
Start Test Date: 2015/06/17
Final Test Date: 2015/06/18

Parity 4-34
Formation: Lower Marmaton
Pool: Wildcat
Job Number: K240

Parity 4-34





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	Raydon Exploration	Job Number	K240
Contact	Myron Heston	Representative	Jason McLemore
Well Name	Parity 4-34	Well Operator	Raydon Exploration
Unique Well ID	DST #2 LWR Marmaton 5198-5219	Prepared By	Jason McLemore
Surface Location	34-33s-31w Seward	Qualified By	Ed Grieves
Field	Wildcat	Test Unit	6
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Lower Marmaton	Well Operator	Raydon Exploration
Well Fluid Type	01 Oil	Report Date	2015/06/18
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2015/06/17	Start Test Time	21:35:00
Final Test Date	2015/06/18	Final Test Time	08:32:00

Test Results

RECOVERED:

130	Gassy oil Cut Mud, 30% Gas, 20% Oil, 50% Mud
130	TOTAL FLUID



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: parity4dst2

TIME ON: 9:35 PM
TIME OFF: 8:32 AM

Company Raydon Exploration Lease & Well No. Parity 4-34
Contractor Tomcat #4 Charge to Raydon Exploration
Elevation 2725 GL Formation Lower Marmaton Effective Pay _____ Ft. Ticket No. K240
Date 6-17-15 Sec. 34 Twp. _____ 33 S Range _____ 31 W County _____ Seward State KANSAS
Test Approved By Ed Grieves Diamond Representative _____ Jason McLemore

Formation Test No. 2 Interval Tested from 5198 ft. to 5219 ft. Total Depth 5219 ft.
Packer Depth 5193 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 5198 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5179 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 5180 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 66 Drill Collar Length 238 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2500 P.P.M. Drill Pipe Length 4926 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 6 Test Tool Length 34 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 21 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: BOB in 30 Seconds, No Blowback
2nd Open: BOB on Open, Blow Dies Back,

Recovered 130 ft. of GOCM, 30% Gas, 20% Oil, 50% Mud
Recovered 130 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

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

Time Set Packer(s) 12:45 AM A.M. P.M. Time Started Off Bottom 5:15 AM A.M. P.M. Maximum Temperature 127

Initial Hydrostatic Pressure..... (A) 2405 P.S.I.
Initial Flow Period..... Minutes 30 (B) 30 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1287 P.S.I.
Final Flow Period..... Minutes 60 (E) 29 P.S.I. to (F) 75 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1248 P.S.I.
Final Hydrostatic Pressure..... (H) 2348 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.

Cement Report

Customer <i>Raydon Exp.</i>		Lease No.		Date <i>6-8-15</i>	
Lease <i>Parity</i>		Well # <i>4-34</i>		Service Receipt <i>1717 05453 A</i>	
Casing <i>8 5/8" 24#</i>	Depth <i>1648ft</i>	County <i>Seward</i>		State <i>Ks.</i>	
Job Type <i>242 Surface</i>		Formation		Legal Description	
Pipe Data			Perforating Data		Cement Data
Casing size <i>8 5/8" 24#</i>	Tubing Size	Shots/Ft		Lead A-Con Blend <i>400sk Class "C"</i> <i>2.95^{ft³/sk}</i> <i>18.10^{gal}/sk</i> Tail in Premium Plus <i>150sk Cement Class "C"</i> <i>1.34^{ft³/sk}</i> <i>6.33^{gal}/sk</i>	
Depth <i>1648ft</i>	Depth	From	To		
Volume <i>102.46 bbl</i>	Volume	From	To		
Max Press <i>2800</i>	Max Press	From	To		
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		
Plug Depth <i>1606ft</i>	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:30</i>					<i>Call Out</i>
<i>15:30</i>					<i>On Location</i>
<i>16:00</i>					<i>Safety Meeting w/ BES Personnel</i>
<i>16:15</i>					<i>Rig Up Pump</i>
<i>16:45</i>					<i>Wait on Casers.</i>
<i>19:00</i>					<i>Drop Ball / Rig Up Head / Circulate</i>
<i>19:15</i>					<i>Safety Meeting w/ Rig Crew</i>
<i>19:30</i>					<i>Pressure Test To 2800psi</i>
<i>19:40</i>	<i>100</i>		<i>210.15 bbl</i>	<i>5.8</i>	<i>Pump Lead</i>
	<i>50</i>		<i>35.79 bbl</i>	<i>3.6</i>	<i>Pump Tail</i>
<i>20:35</i>					<i>Shutdown / Drop Plug / Wash Pump</i>
	<i>50</i>		<i>10</i>	<i>3.5</i>	<i>Displace</i>
	<i>50</i>		<i>20</i>	<i>5.2</i>	
	<i>80</i>		<i>30</i>	<i>5.2</i>	
	<i>100</i>		<i>40</i>	<i>5.2</i>	
	<i>200</i>		<i>50</i>	<i>5.1</i>	
	<i>250</i>		<i>60</i>	<i>5.0</i>	
	<i>300</i>		<i>70</i>	<i>4.9</i>	
	<i>400</i>		<i>80</i>	<i>4.8</i>	
	<i>450</i>		<i>90</i>	<i>4.8</i>	
	<i>400</i>		<i>92</i>	<i>1.5</i>	<i>Slow Rate</i>
<i>21:15</i>	<i>900</i>		<i>102</i>	<i>0</i>	<i>Land Plug</i>
<i>21:20</i>					<i>Release Back Float Held Job Complete</i>
Service Units	<i>78938</i>	<i>38117/19919</i>	<i>30463/19566</i>	<i>14354/19578</i>	
Driver Names	<i>Daniel</i>	<i>Rogelio</i>	<i>Victor</i>	<i>Hector R.</i>	

Clint Andrews
Customer Representative

Tyce Davis
Station Manager

Daniel Beck
Cementer

Cement Report

Customer	Raydon Exploration		Lease No.		Date	6-24-15	
Lease	Parity		Well #	4-34	Service Receipt	06479	
Casing	5 1/8" 18.5#	Depth	4567'	County	Seward	State	KS
Job Type	242-5 1/2" Production		Formation		Legal Description	34-33-31	

Pipe Data		Perforating Data		Cement Data
Casing size	5 1/8" 18.5#	Tubing Size		Lead 105 sk Alcon
Depth	4567'	Depth	From To	
Volume	Disp- 108 bbl	Volume	From To	Tail in 75 sk AA2
Max Press	1500#	Max Press	From To	
Well Connection	ID-4100'	Annulus Vol.	From To	
Plug Depth	55-20'	Packer Depth	From To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					on loc-site assessment
					spot trucks-rig up
					start csg + float equip
					csg on str, break circ
					safety meeting - JSA
					pressure test @ 2500#
	200		5	4	pump 5 bbl H ₂ O spacer
	200		12	4	pump 12 bbl superflush (500 gal)
	200		5	4	pump 5 bbl H ₂ O spacer
			13	3	plug mouse + rat hairs w/ 50 sk
	100		52.2	6	mix + pump 100 sk Alcon @ 11.4#
	100		20.2	6	switch to 75 sk AA2 @ 14.8#
					wash lines
	100		0	7	drop latch down plug, disp csg
	800		100	2	slow rate
9:00	1300		108	0	land plug, float held
					job complete

Service Units				
Driver/Names				

COMPANY Raydon Exploration, Inc.
 LEASE Parity NO. 4-34
 LOCATION 335' FNL + 1650' FWL
 SEC. 34 TWP. 33S RNG. 31W
 COUNTY Seward, STATE Kansas
 FIELD Wildcat

ELEVATIONS
 KB 2735
 DF 2734
 GL 2726
 MEASUREMENTS ALL FROM KB

CONTRACTOR Tomcat Drlg. Rig #4
 COMM. 6-7-2015 COMP. 6-23-2015
 RTD 5841 LTD 5841

CASING RECORD
 8 5/8" of 1645 w/
 of w/
 of w/
 of w/

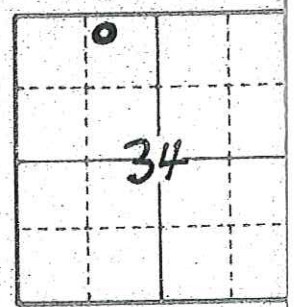
No. of DST'S Three No. of CORES One

EL. LOG AC. Res. SP. G
 DEN. NEUT. GR. CALIF
 ML. SONIC

SAMPLES SAVED FROM 4000 TO TD
 DRILLING TIME KEPT FROM 4000 TO TD
 SAMPLES EXAMINED FROM 4000 TO TD
 GEOLOGICAL SUPERVISION FROM 4000 TO TD
 GEOLOGIST ON WELL Edwin H. Grieves

FORMATION TOPS

	SAMPLE	LOG	SUBSEA
<u>Base Heebner</u>	<u>4307</u>	<u>4305</u>	<u>-1570</u>
<u>Toronto</u>	<u>4321</u>	<u>4318</u>	<u>-1583</u>
<u>Lausing Fm.</u>	<u>4440</u>	<u>4436</u>	<u>-1701</u>
<u>Kansas City Fm</u>	<u>4941</u>	<u>4940</u>	<u>-2205</u>
<u>Marmaton</u>	<u>5111</u>	<u>5106</u>	<u>-2371</u>
<u>Pawnee</u>	<u>5230</u>	<u>5229</u>	<u>-2494</u>
<u>Ft Scott</u>	<u>5277</u>	<u>5278</u>	<u>-2543</u>
<u>Cherokee</u>	<u>5308</u>	<u>5308</u>	<u>-2573</u>
<u>Morrow Fm.</u>	<u>5625</u>	<u>5626</u>	<u>-2891</u>
<u>Chester</u>	<u>5717</u>	<u>5717</u>	<u>-2982</u>
<u>TD</u>	<u>5841</u>	<u>5841</u>	



API# 15-175-222