

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1350863
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1350863

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	RITA DOIDGE 1-34
Doc ID	1350863

Tops

Name	Top	Datum
B/Anhy	2850	+954
Heebner	4165	-361
Stark	4477	-673
Atoka	4849	-1045
Mrrw Sh	4978	-1174
Mrrw Ss	4994	-1190
Mrrw Ls	5098	-1294
Miss	5136	-1332



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

58222

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT:
Dealey

DATE <u>1-23-16</u>	SEC. <u>34</u>	TWP. <u>145</u>	RANGE <u>4th</u>	CALLED OUT	ON LOCATION <u>410020, m</u>	JOB START <u>6:00 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Boige</u>	WELL # <u>1-34</u>	LOCATION <u>Sharon Springs 85 210</u>			COUNTY <u>Waller</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Martin 22 OWNER Same

TYPE OF JOB Lost Circulation CEMENT

HOLE SIZE 7 1/8 I.D. 5608'

CASING SIZE 5 3/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

AMOUNT ORDERED 250 sks com 38cc
289cc

COMMON 250 sks @ 12.80 4425.00

POZMIX @

GEL 470# @ 1.05 493.50

CHLORIDE 205# @ 1.10 225.50

ASC @

EQUIPMENT

PUMP TRUCK CEMENTER Andrew Fitzhugh

431 HELPER Wayne Mackelby

BULK TRUCK DRIVER Jade Mitten

323 DRIVER

BULK TRUCK DRIVER

#

TOTAL 5744.00

DISCOUNT 10% @ 872.00

REMARKS:

Mix 250 sks cement through 1 joint
Drill pipe Displace 4000

SERVICE

HANDLING 220 cu/ft @ 2.48 669.60

MILEAGE 2.25 Roundtrip @ 12.00 27.00

DEPTH OF JOB @

PUMP TRUCK CHARGE @ 1650.00

EXTRA FOOTAGE @

HV MILEAGE 50 miles @ 7.70 385.00

LV MILEAGE 50 miles @ 4.40 220.00

TOTAL 4174.60

DISCOUNT 10% @ 207.30

CHARGE TO: Red oak Energy

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

TOTAL

DISCOUNT

SALES TAX (if Any)

TOTAL CHARGES 9918.60

DISCOUNT 4959.30 (50%) IF PAID IN 30 DAYS

NET TOTAL 4959.30 IF PAID IN 30 DAYS

To: Allied OFS, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE [Signature]



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

68221

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT:

Orkeley

DATE <u>11-23-16</u>	SEC <u>34</u>	TWP <u>145</u>	RANGE <u>41w</u>	CALLED OUT	ON LOCATION <u>3:30 AM</u>	JOB START <u>4:30 AM</u>	JOB FINISH <u>5:22 PM</u>
LEASE <u>DeWitt</u>	WELL # <u>1-34</u>	LOCATION <u>Sharon Springs RS 7w</u>		COUNTY <u>DeWitt</u>	STATE <u>TX</u>		
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR <u>Ingrain 22</u>	OWNER <u>same</u>
TYPE OF JOB <u>TOP OFF</u>	
HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>8 5/8</u>	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Andrew Forstner</u>
# <u>471</u>	HELPER <u>wayne Matighy</u>
BULK TRUCK	DRIVER <u>cory Brant</u>
# <u>323</u>	
BULK TRUCK	DRIVER
#	

TOTAL 1148.80
DISCOUNT 20% 574.40

REMARKS:

top off surface pipe after falling
apart. do not need 50 sks cement.

SERVICE	
HANDLING Minimum charge	<u>380.00</u>
MILEAGE <u>2.25 ton/mile 3 ton</u>	<u>412.50</u>
DEPTH OF JOB <u>23'</u>	
PUMP TRUCK CHARGE	<u>1350.00</u>
EXTRA FOOTAGE	@
HV MILEAGE <u>50 miles</u>	@ <u>2.20</u> <u>110.00</u>
LV MILEAGE <u>50 miles</u>	@ <u>4.40</u> <u>220.00</u>
	@
	@
TOTAL	<u>2647.50</u>
DISCOUNT <u>20%</u>	<u>533.75</u>

CHARGE TO: Red oak energy
STREET _____ STATE _____ ZIP _____
CITY _____

PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@
	@
TOTAL	
DISCOUNT	%

To: Allied OFS, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____
TOTAL CHARGES 3796.30
DISCOUNT 1,898.15 (50%) IF PAID IN 30 DAYS
NET TOTAL 1,898.15 IF PAID IN 30 DAYS

PRINTED NAME _____
SIGNATURE Andrew Forstner



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

68189 23502

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT:

Chubbly

DATE <i>11/16/14</i>	SEC <i>34</i>	TWP <i>1-1</i>	RANGE <i>41</i>	CALLED OUT	ON LOCATION	JOB START COUNTY <i>2-3-14</i>	JOB FINISH STATE <i>9-2-14</i>
LEASER <i>Bobbe</i>	WELL # <i>1-34</i>	LOCATION <i>Shaw Springs 857 NW 34 N</i>				COUNTY <i>Waller</i>	STATE <i>TX</i>
OLD OR NEW (Circle one) <i>NEW</i>							

CONTRACTOR *Shaw Springs 857 NW 34 N* OWNER *James*

TYPE OF JOB *1" - 51' to 52' casing*

HOLE SIZE *18 1/4* T.D. *496'*

CASING SIZE *8 5/8* DEPTH *450'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX DEPTH

MEAS. LINE MINIMUM SHOE JOINT

CEMENT LEFT IN CSG. PERFS.

DISPLACEMENT EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ryan*

506281 HELPER *Kevin Ryan*

BULK TRUCK DRIVER *Jack Miller*

323 DRIVER

BULK TRUCK DRIVER

#

REMARKS: *Run 1" to 170 FT. May 250 S/LK*

to Greenwell Cement to 516 face.

7200 lbs. 17 ton Jack

CHARGE TO *Red Oak*

STREET

CITY STATE ZIP

TOTAL *5744.00*

DISCOUNT *50% 2872.00*

SERVICE HANDLING *433 CF @ 2.10 = 909.30*

MILEAGE *2.5 miles @ 2.00/mile = 5.00*

DEPTH OF JOB

PUMP TRUCK CHARGE *562.00*

EXTRA FOOTAGE @

HV MILEAGE *50 @ 2.10 = 105.00*

LV MILEAGE *50 @ 2.10 = 105.00*

Waiting on location @ *440.00*

TOTAL *13,180.84*

DISCOUNT *50% 6590.42*

PLUG & FLOAT EQUIPMENT

TOTAL

DISCOUNT %

SALES TAX (IF ANY)

TOTAL CHARGES *18,909.84*

DISCOUNT *9,464.92 (50%)* IF PAID IN 30 DAYS

NET TOTAL *9,444.92* IF PAID IN 30 DAYS

PRINTED NAME *Jimmy J. Selske*

SIGNATURE *Jimmy J. Selske*

THELL PRINTING CO., INC. - GREAT BRIG, KS.



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

44650

68188

2175

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT: Cadogan

DATE <u>12/16/14</u>	SEC. <u>34</u>	TWP. <u>14</u>	RANGE <u>91</u>	ON LOCATION <u>3100pm</u>	JOB START	JOB FINISH
LEASEE <u>179 Barber</u>	WELL # <u>1-84</u>	LOCATION'S <u>Sharon Springs 8.572</u>		COUNTY <u>Madison</u>	STATE <u>TX</u>	
OLD OR NEW <u>(Circle one)</u>	<u>201 314 N. English</u>					

CONTRACTOR Morris Rd OWNER SAE

TYPE OF JOB 5 in face

HOLE SIZE 12 1/4 T.D. _____

CASING SIZE 8 5/8 DEPTH 456

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Alvin Rucin

748-281 HELPER Alvin Rucin

BULK TRUCK _____

891 DRIVER Alvin (Liberal)

BULK TRUCK _____

_____ DRIVER _____

TOTAL 109445

DISCOUNT 50% 54710

REMARKS:

Flight 1004 gravel on site

Contractor - Mr. Will Haly from city, says they own

Displace Cement, 5 sheet in 1

Mr. Grant @ 8:00 AM - Displace @ 2:00 PM

Cement did not cure

Frankie

Plum, Kevin, Alex

CHARGE TO: Red Oak

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

HANDLING 514 SF @ 2.00 1028

MILEAGE 23 1229

DEPTH OF JOB 700 3162

PUMP TRUCK CHARGE _____ 1512

EXTRA FOOTAGE _____

HV MILEAGE 50 @ 2.20 110

LV MILEAGE 50 @ 4.00 200

Hi-M @ _____ 225

Wait on location 1 hr @ 440 440

↑ Discount TOTAL 126947

10% 4400 DISCOUNT 50% 341473

PLUG & FLOAT EQUIPMENT

Rebar/ply @ _____ 101

2 - Criticalizer 1 @ 25 50

TOTAL 281.00

DISCOUNT 35% 98.35

To: Allied OFS, LLC.

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SALES TAX (if Any) _____

TOTAL CHARGES 18464.68

DISCOUNT 9041.55 591930/83 IF PAID IN 30 DAYS

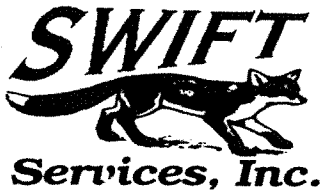
NET TOTAL 9450.47 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Alvin Rucin

TELL FINING CO., INC. - OKLAHOMA, OK

Bid



CHARGE TO: **RED OAK ENERGY**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29857

PAGE 1 OF 2

1. SERVICE LOCATIONS NESS CITY, KS	WELL/PROJECT NO. 1-34	LEASE RTA DOIDGE	COUNTY/PARISH WALLACE	STATE Ks	CITY	DATE 12-3-16	OWNER SAME
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR MURFIN DRIG. Co.		RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
3. WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" 2-STAGE LONGSTRING		WELL PERMIT NO.	WELL LOCATION S/ SHARON SPRINGS, KS		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE # 112	150	ME		5.00	750.00
579		1			PUMP CHARGE - 2 STAGE	1	JOB	5204	FT	1700.00
580		1			ADDITIONAL HOURS - CIRCULATE	3	HRS		200.00	600.00
221		1			LIQUID KCL	4	GAL		25.00	100.00
281		1			MUDFLUSH	500	GAL		1.25	625.00
403		1			CEMENT BASKETS	3	EA	5 1/2"	250.00	750.00
407		1			INSERT FLOAT SHOE w/ AUTO FILL	1	EA		300.00	300.00
408		1			DV TOOL & PLUG SET	1	EA	2848	FT	3250.00
409		1			TURBOLIZERS	12	EA		75.00	900.00
417		1			DV LATCH DOWN PLUG & BAFFLE	1	EA		200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED **12-3-16** TIME SIGNED **1200** A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL #1	9175.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	12982.81
WE UNDERSTOOD AND MET YOUR NEEDS?				Wallace Co TAX 6-590	1047.07
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TOTAL	23204.88
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR **Wayne Wilson** APPROVAL **Murphy Holly** Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 29857

CUSTOMER: RED OAK ENERGY
WELL: RETA DODGE 1-34
DATE: 12-3-16
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
325		1				STANDARD CEMENT EA-2	175	SYS			12.25	2143.75		
330		1				SWIFT MULTI-DEWSETT STANDARD	325	SYS			15.75	5118.75		
276		1				FLOCELE	125	LBS			2.25	281.25		
283		1				SALT	900	LBS			20	180.00		
284		1				CALSEAL	8	SYS	800	LBS	30.00	240.00		
292		1				HAUD-322	125	LBS			8.00	1000.00		
290		1				D-ADR	10	GAL			42.00	420.00		
581		1				SERVICE CHARGE				CUBIC FEET	500	1.50	750.00	
583		1				MILEAGE CHARGE	TOTAL WEIGHT	50650	LOADED MILES	150	TON MILES	3798.75	175	2849.06

CONTINUATION TOTAL 12982.81

Sean Deenihan

Petroleum Geologist

15-199-20437

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Red Oak Energy, Inc.	ELEVATIONS	KB 3804'
LEASE	Rita Doidge #1-34	DF	
FIELD	Wildcat	GL	3793'
LOCATION	1124' ENL & 330' EWL	Measurements Are All From Kelly Bushline	
SEC	34 TWSP 14S RGE 41W	CASINING	CONDUCTOR SURFACE 8-5/8" at 454' PRODUCTION 5-1/2" at LTD
COUNTY	Wallace STATE Kansas		
CONTRACTOR	Murfin Drilling Rig #22		
SPUD	11/21/16 COMP 12/2/16		
RTD	5235' LTD 5239'		
MUD UP	TYPE MUD Chemical		
SAMPLES SAVED FROM	3900' TO RTD		
DRILLING TIME KEPT FROM	3900' TO RTD		
SAMPLES EXAMINED FROM	3800' TO RTD		
GEOLOGICAL SUPERVISION FROM	3800'		
REFERENCE WELL	Prattview #2		

Formation	Sample Tops	E-Log Tops	Street Feet
B/Amblydrite	2853 (-951)	2850 (-954)	
Heebner Sh.	4114 (-310)	4112 (-308)	
Cherokee Sh.	4756 (-952)	4750 (-946)	
Albion S	4850 (-1046)	4850 (-1046)	
Morrow Sh.	4974 (-1170)	4978 (-1174)	
Morrow ss.	4990 (-1186)	4994 (-1190)	
Mississippi	5132 (-1328)	5136 (-1332)	



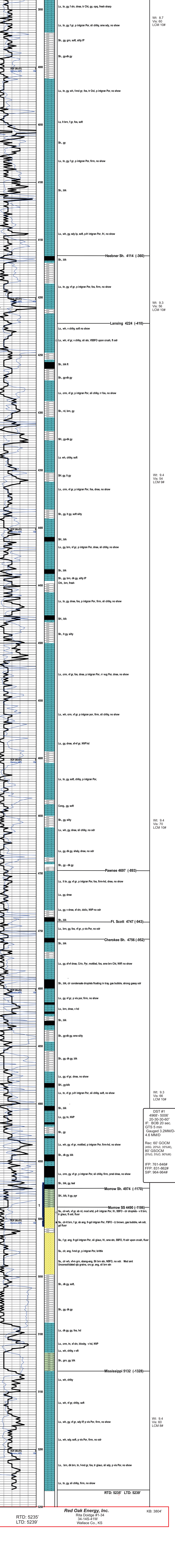
REMARKS The Rita Doidge #1-34 will be further evaluated through 5.5" prod casing.

Respectfully Submitted,

Anhy 2825-53'

Sean P. Deenihan

15-199-20437



Lost circ @ 385'
Pumped 1025 sx cement before reaching 600'.
Carried 12# + LCM throughout most of the well.
Cement for Production Casing did not circulate.

Wt: 8.7
Vis: 60
LCM 10#

Wt: 9.3
Vis: 56
LCM 10#

Wt: 9.4
Vis: 54
LCM 9#

Wt: 9.4
Vis: 70
LCM 10#

Wt: 9.3
Vis: 66
LCM 10#

Wt: 9.4
Vis: 60
LCM 8#

DST #1
4968' - 5006'
20-30-30-60"
IF: BOB 20 sec.
GTS 5 min
Gauged 3.2MM/D-4.6 MM/D
Rec: 60' GOCM (45G, 20%O, 35%M), 80' GSOCM (5%G, 5%O, 90%M)
IFP: 761-846#
FFP: 831-862#
SIP: 964-964#

Red Oak Energy, Inc.
Rita Doidge #1-34
34-14S-41W
Wallace Co., KS

KB: 3804'

RTD: 5235'
LTD: 5239'



DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc**

7701 E Kellogg Dr Ste 710
Wichita, KS 67207

ATTN: Sean Deenihan

Rita Doidge #1-34

34-14s-41w Wallace, Ks

Start Date: 2016.12.01 @ 06:33:00

End Date: 2016.12.01 @ 16:22:15

Job Ticket #: 63471 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.12.05 @ 10:27:47



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Red Oak Energy, Inc
7701 E Kellogg Dr Ste 710
Wichita, KS 67207
ATTN: Sean Deenihan

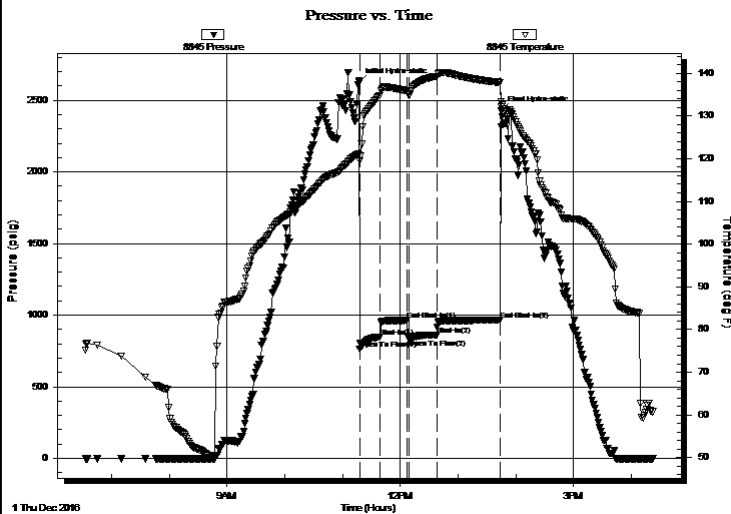
34-14s-41w Wallace, Ks
Rita Doidge #1-34
Job Ticket: 63471 **DST#: 1**
Test Start: 2016.12.01 @ 06:33:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:17:30
Time Test Ended: 16:22:15
Interval: **4968.00 ft (KB) To 5006.00 ft (KB) (TVD)**
Total Depth: 5006.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 3804.00 ft (KB)
3793.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8845 Outside
Press@RunDepth: 861.80 psig @ 4969.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.12.01 End Date: 2016.12.01 Last Calib.: 2016.12.01
Start Time: 06:33:05 End Time: 16:22:15 Time On Btm: 2016.12.01 @ 11:17:15
Time Off Btm: 2016.12.01 @ 13:45:00

TEST COMMENT: IF: BOB @ 20 Sec. Gas to surface @ 5 min.
IS: BOB
FF: BOB @ open.
FS: BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2626.24	120.85	Initial Hydro-static
1	761.34	119.54	Open To Flow (1)
22	845.79	134.89	Shut-In(1)
50	963.66	135.91	End Shut-In(1)
52	831.02	134.88	Open To Flow (2)
81	861.80	139.30	Shut-In(2)
147	964.07	137.87	End Shut-In(2)
148	2425.46	132.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 45g 20o 35m	0.30
80.00	gsocm 5g 5o 90m	0.39
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	100.00	3288.86
Last Gas Rate	1.00	145.00	4582.56
Max. Gas Rate	1.00	145.00	4582.56



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc

34-14s-41w Wallace, Ks

7701 E Kellogg Dr Ste 710
Wichita, KS 67207

Rita Doidge #1-34

Job Ticket: 63471

DST#: 1

ATTN: Sean Deenihan

Test Start: 2016.12.01 @ 06:33:00

Tool Information

Drill Pipe:	Length: 4697.00 ft	Diameter: 3.80 inches	Volume: 65.89 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 264.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 93000.00 lb
			<u>Total Volume: 67.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4968.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4942.00	
Shut In Tool	5.00			4947.00	
Hydraulic tool	5.00			4952.00	
Jars	5.00			4957.00	
Safety Joint	2.00			4959.00	
Packer	5.00			4964.00	27.00 Bottom Of Top Packer
Packer	4.00			4968.00	
Stubb	1.00			4969.00	
Recorder	0.00	8365	Inside	4969.00	
Recorder	0.00	8845	Outside	4969.00	
Perforations	2.00			4971.00	
Change Over Sub	0.50			4971.50	
Drill Pipe	31.00			5002.50	
Change Over Sub	0.50			5003.00	
Bullnose	3.00			5006.00	38.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc

34-14s-41w Wallace, Ks

7701 E Kellogg Dr Ste 710
Wichita, KS 67207

Rita Doidge #1-34

Job Ticket: 63471

DST#: 1

ATTN: Sean Deenihan

Test Start: 2016.12.01 @ 06:33:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gocm 45g 20o 35m	0.295
80.00	gsocm 5g 5o 90m	0.393
0.00	GTS	0.000

Total Length: 140.00 ft

Total Volume: 0.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Red Oak Energy, Inc

34-14s-41w Wallace, Ks

7701 E Kellogg Dr Ste 710
Wichita, KS 67207

Rita Doidge #1-34

Job Ticket: 63471

DST#: 1

ATTN: Sean Deenihan

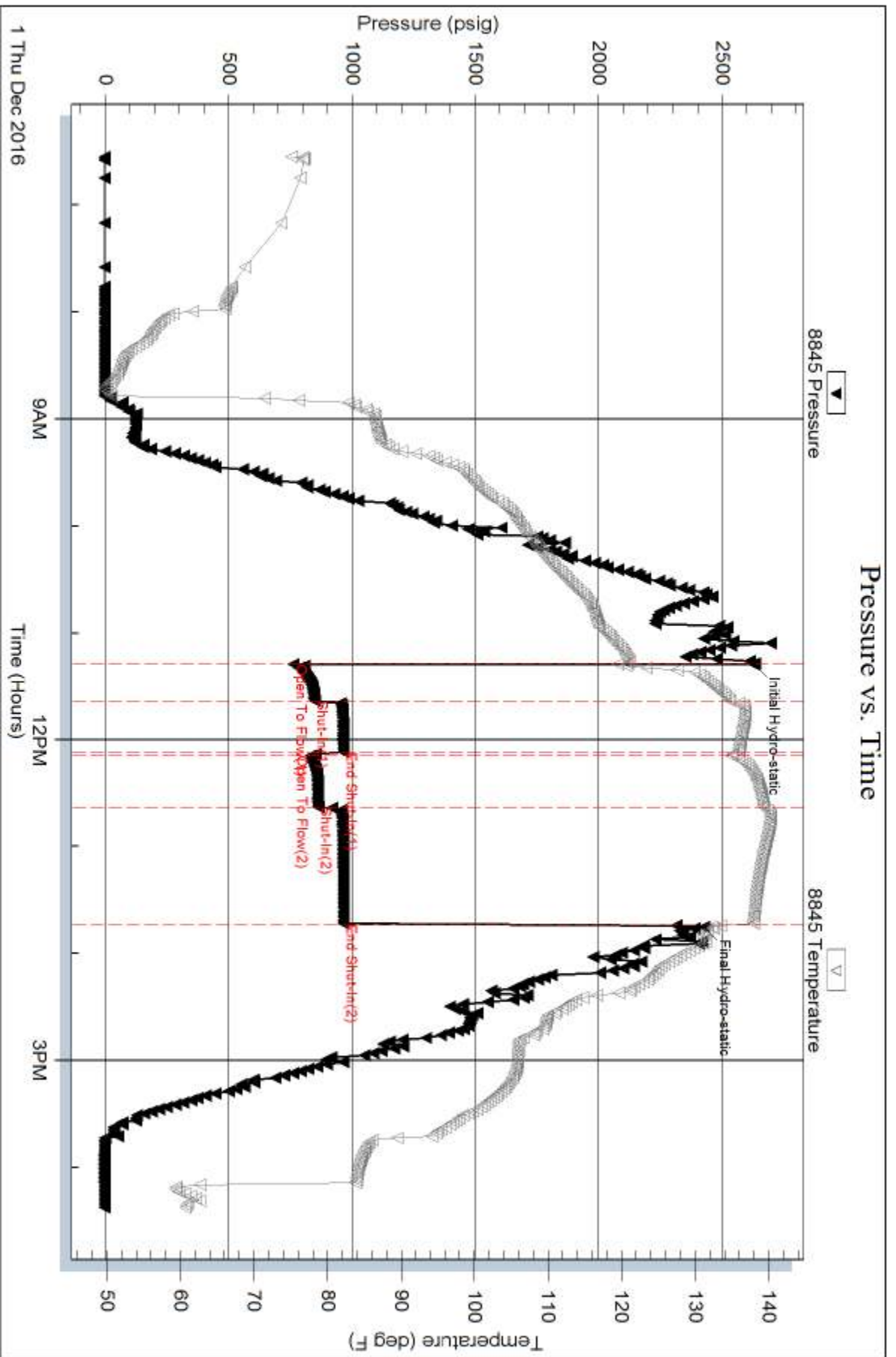
Test Start: 2016.12.01 @ 06:33:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	5	1.00	100.00	3288.86
1	10	1.00	125.00	4007.59
1	15	1.00	135.00	4295.07
1	20	1.00	140.00	4438.82
2	5	1.00	115.00	3720.10
2	10	1.00	135.00	4295.07
2	15	1.00	140.00	4438.82
2	20	1.00	142.00	4496.31
2	25	1.00	145.00	4582.56
2	30	1.00	145.00	4582.56



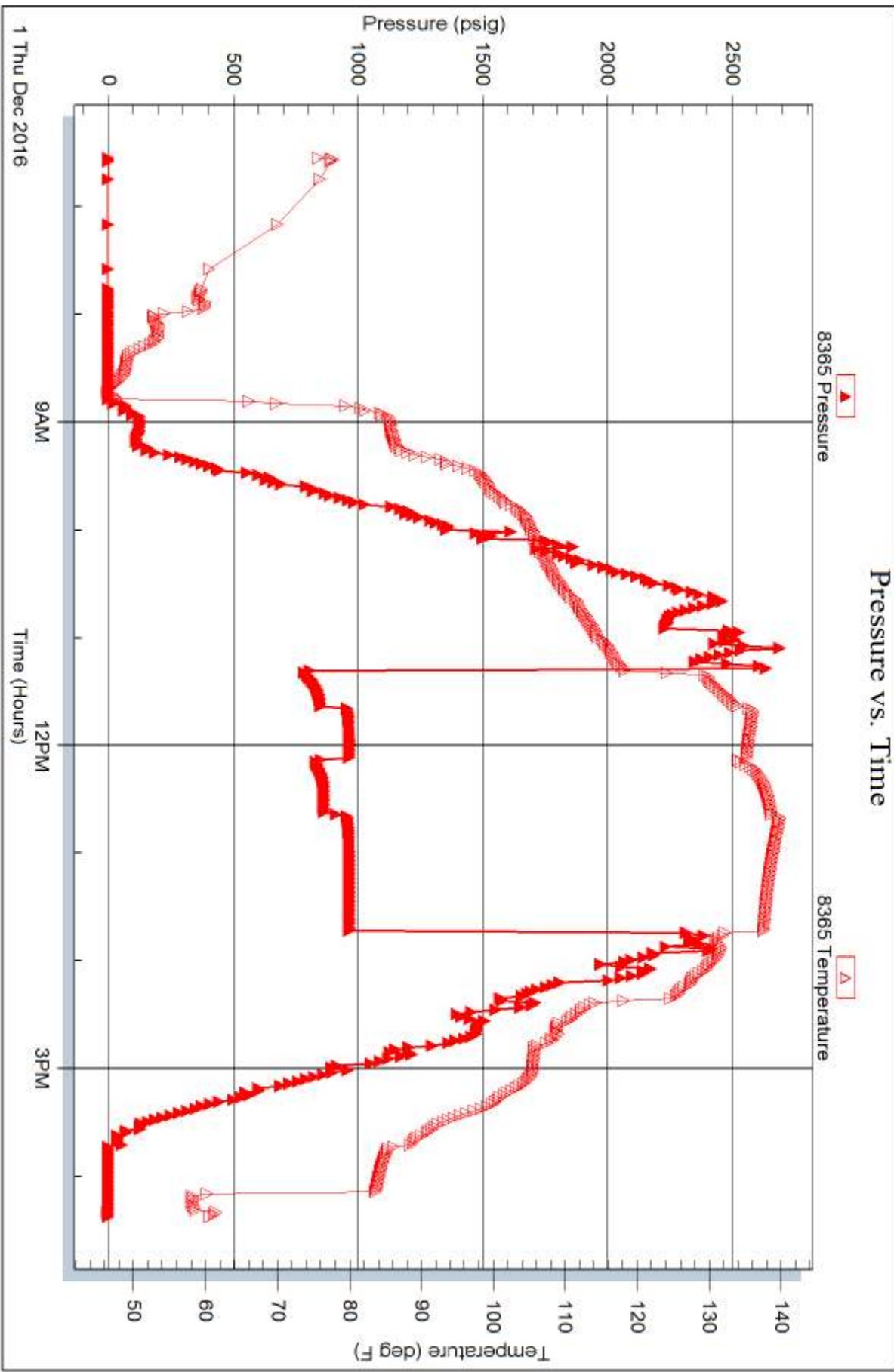
Serial #: 8365

Inside

Red Oak Energy, Inc

Rita Dodge #1-34

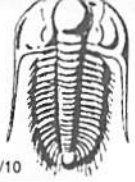
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63471

Printed: 2016.12.05 @ 10:27:48



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63471**

Well Name & No. Rita Doidge #1-34 Test No. 1 Date 12/01/2016
 Company Red Oak Energy, Inc Elevation 3804 KB 3793 GL
 Address 7701 E Kellogg Dr Ste 710 Wichita, ks 67207
 Co. Rep / Geo. Sean Deauman Rig Mudsen 22
 Location: Sec. 34 Twp. 14s Rge. 41w Co. Wallace State _____

Interval Tested 4968-5006 Zone Tested Morrow Sand
 Anchor Length 38' Drill Pipe Run 4697 Mud Wt. 9.3
 Top Packer Depth 4963 Drill Collars Run 264 Vis 60
 Bottom Packer Depth 4968 Wt. Pipe Run 0 WL 8.8
 Total Depth 5006 Chlorides 4500 ppm System LCM 8th
 Blow Description IF BOB @ 20 sec 3us to surface @ 5 min. (Slight OIL MIST)
IF BOB
FF BOB
FS BOB

Sec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>60cm</u>	<u>5</u>	<u>5</u>	<u>90</u>	
<u>60</u>	<u>650cm</u>	<u>45</u>	<u>20</u>	<u>35</u>	
	<u>Gas to surface Gauged</u>				
	<u>Gas to surface</u>				

Rec Total 140 BHT 138 Gravity - API RW - @ - °F Chlorides _____ ppm

A) Initial Hydrostatic <u>2626</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0600</u>
B) First Initial Flow <u>761</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0635</u>
C) First Final Flow <u>846</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1118</u>
D) Initial Shut-In <u>964</u>	<input checked="" type="checkbox"/> Circ Sub 4/C	T-Pulled <u>1338</u>
E) Second Initial Flow <u>831</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1622</u>
F) Second Final Flow <u>862</u>	<input checked="" type="checkbox"/> Mileage <u>156 RT X2</u> <u>234</u>	Comments <u>P/U Tool 1600 12/02</u>
G) Final Shut-In <u>964</u>	<input type="checkbox"/> Sampler	
H) Final Hydrostatic <u>2425</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1809</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1809</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results 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.



May 11, 2017

Kansas Corporation Commission
Conservation Division
266 N. Main St., Ste 220
Wichita, KS 67202

RE: Alternate II Exception

API# 15-199-20437-00-00
Rita Doidge #1-34
S2 SW NW NW Sec. 34-T14s-R41w
Wallace County, KS

Dear Karen Ritter,

Red Oak Energy is requesting an exception to the Alternate II cementing requirements for the above captioned well.

The Notice of Intent to Drill indicates that the base of fresh water is 150 feet. 8 5/8" Surface casing was cemented at 454 feet with 775 sacks of SMD cement (see ACO-1).

The base of usable water is 1,300 ft according to KGS website, and the 5 1/2" production casing was set at 5,204 feet with 175 sacks EA-2 cement on the First Stage. The Cement Bond Log indicates the top of the First Stage to be 3,856 feet. The bottom of cement on the Second Stage circulated from the Cementing Collar at 2,846 feet to 460 feet with 275 sacks of SMD Cement.

Please review to verify that all fresh and usable water is protected.

Sincerely,

Ryan Davis
Geologist | Regulatory Compliance Mngr
Red Oak Energy

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Pat Apple, Chairman
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

May 15, 2017

Ryan Davis
Red Oak Energy, Inc.
7701 E. Kellogg, Suite 710
Wichita, KS 67207-1704

Re: Alternate II Exception
API# 15-199-20437-00-00
Rita Doidge #1-34
S/2 SW NW NW Sec. 34-T14S-R41W
Wallace County, Kansas

Mr. Davis,

The Kansas Corporation Commission (KCC) has received your request for an exception to the Alternate II cementing requirements for the above captioned well. After reviewing the request, staff acknowledges the well was not cemented to surface pursuant to K.A.R. 82-3-106.

According to the request, the well has 454 feet of 8 5/8" surface casing set with 775 sacks of cement to surface. 5 1/2" production casing was set at 5,204 feet with 175 sacks cement on the first stage and 275 sacks on the second stage. The Cement Bond Log indicates the top of the first stage at 3,856 feet and the second stage from the cement collar at 2,846 feet to 460 feet. The base of the fresh water is at 150 feet and the base of the usable water is at 1,950 feet. The top of the Dakota is 1,550 feet.

After review of this matter by technical staff it was determined that the current construction of the well demonstrates that all fresh and usable water is protected. In accordance with K.A.R. 82-3-106(f) an exception is granted for the Alternate II cementing requirement for the above captioned well.

Sincerely,

Ryan A. Hoffman
Director, Conservation Division

Cc: Rene Stucky, Environmental Program Administrator Supervisor (Production & UIC) /RS
Case Morris, Professional Geologist, District 4 Supervisor CM