

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1098299

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15 - 15-145-21680-00-00
Name: Reif Oil & Gas Company LLC	Spot Description:
Address 1: PO BOX 298	SW_SE_NW_NW Sec. 1 Twp. 21 S. R. 16 East West
Address 2:	
City: HOISINGTON State: KS Zip: 67544 + 0298	979 Feet from ☐ East / 🗹 West Line of Section
Contact Person: Gerald Achatz	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 282-9086	□ NE ☑ NW □ SE □ SW
CONTRACTOR: License # 33350	County: Pawnee
Name: Southwind Drilling, Inc.	Lease Name: Well #: 3
Wellsite Geologist: James Musgrove	Field Name: Ash Creek
Purchaser: Plains Marketing	Producing Formation: Arbuckle
Designate Type of Completion:	Elevation: Ground: 1983 Kelly Bushing: 1990
∇ New Well	Total Depth: 3900 Plug Back Total Depth:
✓ oil □ wsw □ swb □ slow	Amount of Surface Pipe Set and Cemented at: 985 Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✔ No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	leet deptil to.
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: 56000 ppm Fluid volume: 1000 bbls
Conv. to GSW	Dewatering method used: Hauled to Disposal
Pług Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name: Paul's Oilfield Service, Inc.
Dual Completion Permit #:	Lease Name: Dipman License #: 31085
SWD Permit #:	
ENHR Permit #:	Quarter SW Sec. 34 Twp. 21 S. R. 16 East West
GSW Permit #:	County: Pawnee Permit #: 03589
07/08/2012 07/16/2012 07/16/2012	
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
☑ Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Deanna Garrison Date: 11/05/2012

Side Two



Operator Name: Reif	Oil & Gas Comp	oany LLC		Lease I	Name: _	Carr		_ Well #:3_		
Sec. 1 Twp.21	s. R. <u>16</u>	East	✓ West	County	: Pawr	iee				
NSTRUCTIONS: Showing tool open and closs ecovery, and flow rates ine Logs surveyed. Att	ed, flowing and shu if gas to surface te	it-in pressu est, along v	ires, whether s vith final chart(:	hut-in press	sure read	hed static level,	hydrostatic pres	sures, bottom h	nole tempe	rature, fluic
Orill Stem Tests Taken	20040)	∠ Y€	es No			og Formatio	n (Top), Depth a	nd Datum	s	ample
Attach Additional SI) Samples Sent to Geolo	·	√ Y€	es No		Nam			Тор		atum
•	igical Sulvey	<u>v</u> ′•			Heebr			3330.0	-13	
Cores Taken Electric Log Run		Y€			Brown	Lime		3418	-14	
Electric Log Submitted	Electronically	✓ Ye			Lansir	g		3433	-14	
(If no, Submit Copy)					Arbuci	de		3758	-17	68
List All E. Logs Run: Attached										
		Repo		RECORD	✓ Ne urface, inte	w Used ermediate, product	ion, etc.			
Purpose of String	Size Hole Drilled		te Casing t (in O.D.)	Wei		Setting Depth	Type of Cement	# Sacks Used		nd Percent Iditives
Surface	10.75	8.65		24.0	<u>, </u>	985	Common	450	3% сс,	2% gel
Long String	8.62	5.5		14.0		3895	Common	225	604/40	poz
										
	<u> </u>		ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD		<u>'</u>		
Purpose: Perforate	Depth Top Bottom	Туре	Type of Cement		# Sacks Used Type			e and Percent Additives		
Protect Casing Plug Back TD	-									
Plug Off Zone	-									
Shots Per Foot			RD - Bridge Plug Each Interval Per				cture, Shot, Cerne mount and Kind of N		rd	Depth
	· · · · · · · · · · · · · · · · · · ·									
TUBING RECORD:	Size:	Set At:		Packer A	At:	Liner Run:	Yes N	0		
Date of First, Resumed F	Production, SWD or El	NHR.	Producing Met	hod:	ng 🗌	Gas Lift (Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er E	Bbls.	Gas-Oil Ratio		Gravity
DISPOSITIO	N OF GAS:			METHOD OF	F COMPLI	ETION:		PRODUCTI	ON INTERV	'AL:
Vented Sold	Used on Lease		-	Perf.	Dually	/ Comp. Co	mmingled			
(If vented, Subr	_		Other (Specify)		(Submit		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Reif Oil & Gas Company LLC
Well Name	Carr 3
Doc ID	1098299

All Electric Logs Run

Sonic Bond Log	
Dual Induction Log	
Dual Coup. Porosity Log	
Microresistivity Log	

Client Information:

Company: REIF OIL+GAS LLC

Contact: DON REIF

Phone: Fax: e-mail:

Site Information:

Contact: KURT TALBOTT

Phone: Fax: e-mail:

Well Information:

Name: CARR #3

Operator: REIF OIL+GAS LLC

Location-Downhole:

Location-Surface: \$1/21\$/16W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KURT TALBOTT

Test Type: DST #1 CONVENTIONAL Job Number: D1175

Test Unit:

Start Date: 2012/07/14 Start Time: 10:20:00

End Date: 2012/07/14 End Time: 17:00:00

Report Date: 2012/07/14 Prepared By: JOHN RIEDL

Remarks: Qualified By: KURT TALBOTT

GAS TO SURFACE 5 MIN 1ST FLOW; RECOVERY: 80' GASSY OIL IN DRILL COLLARS

P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

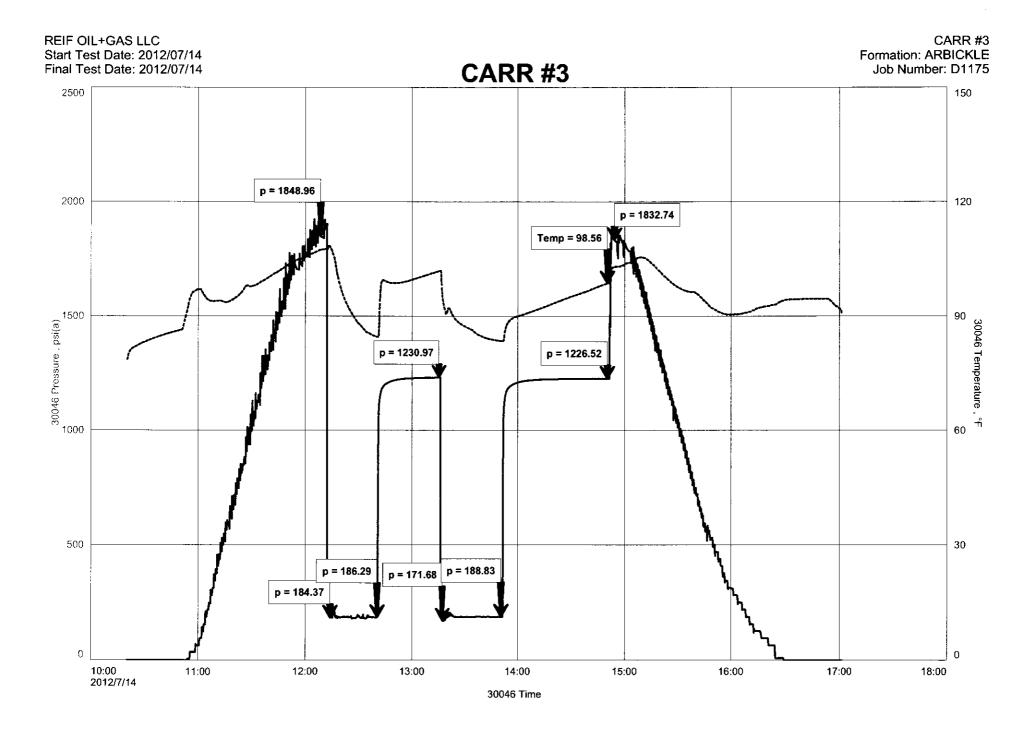
FILE: STC/Carr3dst1

TIME ON: 10:20 7/14/12

TIME OFF: 17:00 7/14/12

Company REIF OIL+GAS LLC
Date 7/14/12 Sec. 1 Twp. 21 S Range 16 W County PAWNEE State KANSAS Test Approved By KURT TALBOTT Diamond Representative JOHN RIEDL Formation Test No. 1 Interval Tested from 3759 ft. Size 3759 ft. to 3770 ft. Total Depth 3770 ft. Packer Depth 3754 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Packer Depth 3759 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Depth of Selective Zone Set Top Recorder Depth (Inside) 3762 ft. Recorder Number 30046 Cap. 6000 P.S.I. Bottom Recorder Depth (Outside) 3767 ft. Recorder Number 11073 Cap. 4000 P.S.I. Below Straddle Recorder Depth (Outside) 3767 ft. Recorder Number Cap. P.S.I. Mud Type CHEMICAL Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in. Weight 9.2 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in. Chlorides <t< td=""></t<>
Diamond Representative Diamond Representative JOHN RIEDL
Formation Test No. 1 Interval Tested from 3759 ft. to 3770 ft. Total Depth 3770 ft. Packer Depth 3754 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Packer Depth 3759 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Depth of Selective Zone Set Top Recorder Depth (Inside) 3762 ft. Recorder Number 30046 Cap. 6000 P.S.I. Bottom Recorder Depth (Outside) 3767 ft. Recorder Number 11073 Cap. 4000 P.S.I. Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I. Mud Type CHEMICAL Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in. Weight 9.2 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 im Chlorides 7,500 P.P.M. Drill Pipe Length 3619 ft. I.D. 3 1/2 IF in Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF i
Formation Test No. 1 Interval Tested from 3759 ft. to 3770 ft. Total Depth 3770 ft. Packer Depth 3754 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Packer Depth 3759 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Depth of Selective Zone Set Top Recorder Depth (Inside) 3762 ft. Recorder Number 30046 Cap. 6000 P.S.I. Bottom Recorder Depth (Outside) 3767 ft. Recorder Number 11073 Cap. 4000 P.S.I. Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I. Mud Type CHEMICAL Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in. Weight 9.2 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 im. Chlorides 7,500 P.P.M. Drill Pipe Length 3619 ft. I.D. 3 1/2 in. Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Packer Depth 3754 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Packer Depth 3759 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Depth of Selective Zone Set Top Recorder Depth (Inside) 3762 ft. Recorder Number 30046 Cap. 6000 P.S.I. Bottom Recorder Depth (Outside) 3767 ft. Recorder Number 11073 Cap. 4000 P.S.I. Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I. Mud Type CHEMICAL Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in. Weight 9.2 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 im. Chlorides 7,500 P.P.M. Drill Pipe Length 3619 ft. I.D. 3 1/2 im. Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Packer Depth 3759 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in. Packer depth Depth of Selective Zone Set Top Recorder Depth (Inside) 3762 ft. Recorder Number 30046 Cap. 6000 P.S.I. Bottom Recorder Depth (Outside) 3767 ft. Recorder Number 11073 Cap. 4000 P.S.I. Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I. Mud Type CHEMICAL Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in. Weight 9.2 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in. Chlorides 7,500 p.p.m. Drill Pipe Length 3619 ft. I.D. 3 1/2 in. Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 3762 ft. Recorder Number 30046 Cap. 6000 P.S.I. Bottom Recorder Depth (Outside) 3767 ft. Recorder Number 11073 Cap. 4000 P.S.I. Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I. Mud Type CHEMICAL Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in. Weight 9.2 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in. Chlorides 7,500 P.P.M. Drill Pipe Length 3619 ft. I.D. 3 1/2 in. Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I. Mud Type CHEMICAL Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in. Weight 9.2 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in. Chlorides 7,500 p.p.m. Drill Pipe Length 3619 ft. I.D. 3 1/2 in. Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
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Chlorides 7,500 p.p.M. Drill Pipe Length 3619 ft. I.D. 3 1/2 int Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF int
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 11 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: STRONG (B.O.B 1 MIN; GTS 5 MIN STABILIZED @ 500 MCF/D) FAIR BB
^{2nd Open:} STRONG (GTS THROUGHOUT STABILIZED @ 500 MCF/D) GOOD BB
Recovered 80 ft. of GO (25%GAS 75%OIL)
Recovered ft. of
Recovered ft. of
Recoveredft. of
Recovered ft. of Price Job
Recovered ft. of Other Charges
Remarks: TOTAL FLUID RECOVERY: 80' IN DRILL COLLARS Insurance
Total A.M.
Time Set Packer(s) 12:15 P.M A.M. P.M. Time Started Off Bottom 2:45 P.M A.M. P.M. Maximum Temperature 99
Initial Hydrostatic Pressure
Initial Flow Period
Initial Closed In Period Minutes 30 (D) 1230 P.S.I.
Final Flow Period
Final Closed In Period
Final Hydrostatic Pressure (H) 1832 P.S.1.

Diamond Testing shalf not be hable 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



Client Information:

Company: **REIF OIL+GAS**

DON REIF Contact:

Phone: Fax: e-mail:

Site Information:

KURT TALBOTT Contact:

Phone: Fax: e-mail:

Well Information:

Name:

CARR #3

REIF OIL+GAS LLC Operator:

Location-Downhole:

Location-Surface: S1/21S/16W

Test Information:

Company: **DIAMOND TESTING**

Representative: JOHN RIEDL

KURT TALBOTT Supervisor:

Test Type: **DST #2 CONVENTIONAL** Job Number: D1176

Test Unit:

00:10:00 2012/07/15 Start Date: Start Time:

2012/07/15 End Date: End Time: 09:00:00

Prepared By: Report Date:

Qualified By: Remarks:

GAS TO SURFACE 1ST FLOW PERIOD; RECOVERY: 670' GASSY OIL, 1800' GASSY WATER

P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

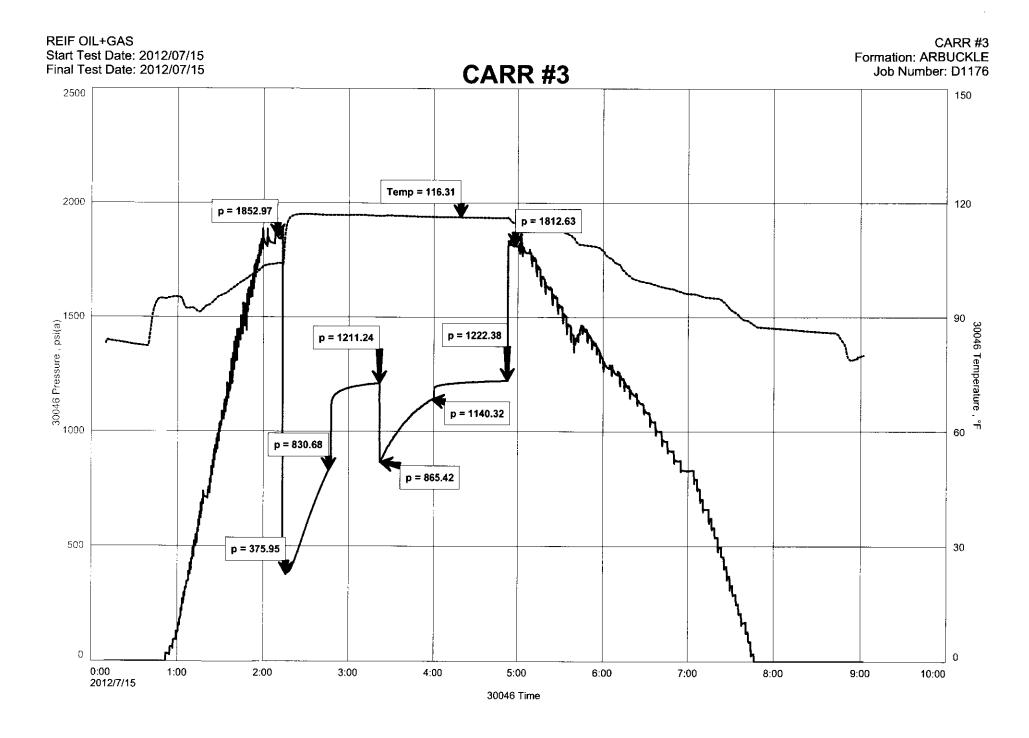
FILE: STC/Carr3dst2

TIME ON: 00:10 7/15/12

TIME OFF: 09:00 7/15/12

Company REIF OIL+GAS LLC	_Lease & Well No. CARR #3
Contractor SOUTHWIND DRLG RIG 4	
	E Effective Pay Ft. Ticket No. D1176
Date 7/14/12 Sec. 1 Twp. 21 S Ra	
Test Approved By KURT TALBOTT	
Formation Test No. 2 Interval Tested from 37	
Packer Depth 3771 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.
Packer Depth 3776 ft. Size 6 3/4 in.	Packer depthft. Size6 3/4in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3779 ft.	Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3782 ft.	Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap. P.S.I.
Mud Type CHEMICAL Viscosity 49	Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 10 cc.	Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 7,500 P.P.M.	Drill Pipe Length 3636 ft. I.D. 3 1/2 int
Jars: Make STERLING Serial Number NOT REQUESTED	Test Tool Length 20 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO	Anchor Length 9 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: STRONG (B.O.B 1 MIN; GTS10 MIN STABILIZED @	81 MCF/D) STRONG BB
^{2nd Open:} STRONG (GTS THROUGHOUT STABILI	ZED @ 5 MCF/D) STRONG BB
Recovered 670 ft. of GO (35%GAS 65%OIL)	
Recovered 1800 ft. of GW (20%GAS 80%WATER) CHLORIDES	JUJH
Recovered ft. of	
Recovered ft. of	
Recovered ft. of	Price Job
Recoveredft. of	Other Charges
Remarks: TOTAL FLUID RECOVERY: 2470 (120' IN DRILL CO	DLLARS,2350' IN DRILL PIPE) Insurance
0.45 A.M. A.M.	Total AM.
Time Set Packer(s) 2:15 A.M P.M. Time Started Off Bo	
Initial Hydrostatic Pressure	(A) 1853 P.S.I
Initial Flow Period	(B) 376 P.S.I. to (C) 831 P.S.I.
Initial Closed In Period	(D)1211 p.S.L
Final Flow Period	(E) 865 P.S.I. to (F) 1140 P.S.I.
Final Closed In Period Minutes 45	(G)1222 P.S.I.
Final Hydrostatic Pressure	(H)1813 _{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.



Client Information:

Company: REIF OIL+GAS LLC

Contact: DON REIF

Phone: Fax: e-mail:

Site Information:

Contact: KURT TALBOTT

Phone: Fax: e-mail:

Well Information:

Name: CARR #3

Operator: REIF OIL+GAS LLC

Location-Downhole:

Location-Surface: S1/21S/16W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KURT TALBOTT

Test Type: DST #3 CONVENTIONAL Job Number: D1177

Test Unit:

Start Date: 2012/07/15 Start Time: 17:00:00

End Date: 2012/07/16 End Time: 00:40:00

Report Date: Prepared By:

Remarks: Qualified By:

GAS+ OIL TO SURFACE DURING 1ST FLOW PERIOD; RECOVERY: 400' GASSY OIL, 2400' GASSY WATER

P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

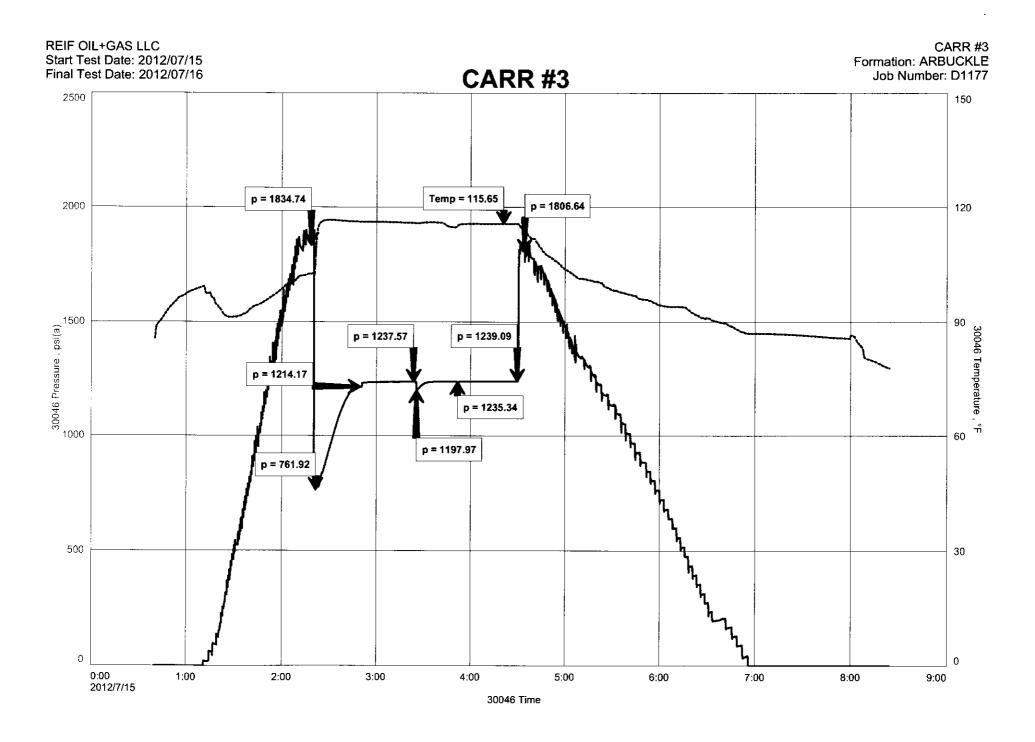
FILE: STC/Carr3dst3

TIME ON: 17:00 7/15/12

TIME OFF:_ 00:40 7/16/12

Main Hole Size 7 7/8	FILE	=. <u>310/0</u>	arrodato				
Elevation 1889 K.B Formation ARBUCKLE_Effective Pay F. Ticket No. D1177	Company REIF OIL+GAS LLCs		_Lease & Well No	CARR #3			
Date Maintain Date Maintain Date Maintain Date Maintain Date Maintain Date Maintain Date	Contractor SOUTHWIND RIG 4		Charge to REIF C	OIL+GAS LLC			
Packer Diamond Representative Diamond Re	Elevation 1889 K.B Formation A	ARBUCKL	E_Effective Pay		Ft. Ticke	et No	D1177
Packer Depth	Date 7/15/12 Sec. 1 Twp.	21 S R	ange	16 W County	PAWNEE	State_	KANSAS
Formation Test No. 3 Inlerval Tested from 3786 ft. to Packer depth 3761 ft. Size 6 3/4 in. Packer depth 1 5 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Test Approved By KURT TALBOTT		Diamond Represent	ative	JOHN R	IEDL	
Packer Depth 3786 t. Size 6 3/4 in. Packer depth Pac							3800 ft.
Depth of Selective Zone Set	Packer Depth 3781 ft. Size 6 3/4	_ in.	Packer depth	·	_ft. Size_	6 3/4	in.
Top Recorder Depth (Inside) 3789 ft. Recorder Number 30046 Cap 6000 P. S.I.	Packer Depth 3786 ft. Size 6 3/4	_ in.	Packer depth	*·-**·	_ft. Size_	6 3/4	in.
Bottom Recorder Depth (Outside) 3797 ft. Recorder Number 11073 Cap 4000 P.S. Ballow Straddle Recorder Depth ft. Recorder Number Cap P.S. Mud Type	Depth of Selective Zone Set	**					
Below Straddle Recorder Depth	Top Recorder Depth (Inside) 33	789 _{ft.}	Recorder Number	30046	Cap	600	<u>10</u> P.S.I.
Below Straddle Recorder Depth	Bottom Recorder Depth (Outside) 37	797 _{ft.}	Recorder Number	11073	Cap	400	⁰⁰ P.S.I.
Weight	Below Straddle Recorder Depth	ft.					
Chlorides	Mud Type CHEMICAL Viscosity 50		Drill Collar Length	120	ft. I.D	2 1/	/4 in.
Strict S	Weight 9.2 Water Loss 10	cc.	Weight Pipe Lengt	th0	ft. I.D	2 7	<u>/8</u> in
Did Well Flow? NO	Chlorides 7,500 p	P.P.M.	Drill Pipe Length _	3646	ft. I.D	3 1/	/2 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: STRONG (B.O.B 1 Min; GTS 8 MIN, OTS 25 MIN.) GAS STABILIZED @ 38 MCF/D STRONG BB STRONG BB Recovered 400 ft. of GO (20%GAS 80%OIL) GAS STAB, @ 7 MCF/D STRONG BB Recovered 400 ft. of GO (20%GAS 80%OIL) Recovered ft. of GW (20%GAS 80%WATER) CHLORIDES 30.000pPM Recovered ft. of Price Job Other Charges Remarks: TOTAL FLUID RECOVERY: (120' IN DRILL COLLARS 2680' IN DRILL PIPE) Insurance Insura	Jars: Make STERLING Serial Number NOT REQU	JESTED	Test Tool Length_	20	ft. Tool S	ize <u>3 1</u> /	2-IF in
STRONG BB STRONG (B.O.B. 1 MIN; GTS & MIN, OTS 25 MIN.) GAS STABILIZED @ 38 MCF/D STRONG BB 2nd Open: STRONG (GTS THROUGHOUT) GAS STAB, @ 7 MCF/D STRONG BB Recovered	Did Well Flow? NO Reversed Out N	10	Anchor Length	14	ft. Size_	4 1/	2-FH in
2nd Open: STRONG (GTS THROUGHOUT) GAS STAB, @ 7 MCF/D STRONG BB Recovered 400 ft. of GO (20%GAS 80%OIL) 400 ft. of GW (20%GAS 80%WATER) CHLORIDES 30,000pPM Recovered ft. of Frice Job Recovered ft. of Price Job Recovered ft. of Other Charges Remarks: TOTAL FLUID RECOVERY: (120' IN DRILL COLLARS 2680' IN DRILL PIPE) Insurance Time Set Packer(s) 6:40 P.M A.M. P.M. Time Started Off Bottom 8:40 P.M A.M. P.M. Maximum Temperature 116 Initial Hydrostatic Pressure (A) 1835 P.S.I. 116 1154 P.S.I. Initial Flow Period Minutes 30 (B) 762 P.S.I. to (C) 1214 P.S.I. Initial Flow Period Minutes 30 (B) 1197 P.S.I. to (F) 1235 P.S.I. Final Closed In Period Minutes 30 (G) 1197 P.S.I. to (F) 1235 P.S.I.	Main Hole Size 7 7/8 Tool Joint Size 4 1/2	XH_in.	Surface Choke Siz	re1	in. Botton	n Choke Si	ze 5/8 in
Recovered	Blow: 1st Open: STRONG (B.O.B 1 MIN; GTS 8 MIN, OTS 25 MIN	.) GAS ST	ABILIZED @ 38 MCF/I	D		S	TRONG BB
Recovered	2nd Open: STRONG (GTS THROUGHOUT) GAS	STAB, @	7 MCF/D			ST	RONG BB
Recovered	Recovered 400 ft. of GO (20%GAS 80%OIL)						
Recovered	Recovered 2400 ft. of GW (20%GAS 80%WATER) CH	ILORIDES	30,000pPM				
Recovered	Recoveredft. of						
Recovered	Recovered ft. of					· · · · · · · · · · · · · · · · · · ·	
Total Tota	Recoveredft. of				Price Job		
Total Time Set Packer(s) 6:40 P.M A.M. P.M. Time Started Off Bottom 8:40 P.M A.M. P.M. Maximum Temperature 116 Initial Hydrostatic Pressure (A) 1835 P.S.I. Initial Flow Period Minutes 30 (B) 762 P.S.I. to (C) 1214 P.S.I. Initial Closed In Period Minutes 30 (E) 1197 P.S.I. to (F) 1235 P.S.I.	Recovered0ft. of				Other Char	ges	
Time Set Packer(s) 6:40 P.M A.M. P.M. Time Started Off Bottom 8:40 P.M A.M. P.M. Maximum Temperature 116 Initial Hydrostatic Pressure (A) 1835 P.S.I. 1835 P.S.I. Initial Flow Period. Minutes 30 (B) 762 P.S.I. to (C) 1214 P.S.I. Initial Closed In Period. Minutes 30 (D) 1238 P.S.I. Initial Flow Period. Minutes 30 (E) 1197 P.S.I. to (F) 1235 P.S.I. Final Closed In Period. Minutes 30 (G) 1239 P.S.I. 1239 P.S.I. 1235 P.S.I.	Remarks: TOTAL FLUID RECOVERY:(120' IN DRILL	COLLA	RS 2680' IN DRI	ILL PIPE)	Insurance		
Time Set Packer(s) 6:40 P.M A.M. P.M. Time Started Off Bottom 8:40 P.M A.M. P.M. Maximum Temperature 116 Initial Hydrostatic Pressure (A) 1835 P.S.I. 1835 P.S.I. Initial Flow Period. Minutes 30 (B) 762 P.S.I. to (C) 1214 P.S.I. Initial Closed In Period. Minutes 30 (D) 1238 P.S.I. Initial Flow Period. Minutes 30 (E) 1197 P.S.I. to (F) 1235 P.S.I. Final Closed In Period. Minutes 30 (G) 1239 P.S.I. 1239 P.S.I. 1235 P.S.I.							
Time Set Packer(s) 6:40 P.M P.M. Time Started Off Bottom 8:40 P.M P.M. Maximum Temperature 116 Initial Hydrostatic Pressure (A) 1835 P.S.I.	A M			Δ λ//	lotal		
Initial Flow Period Minutes 30 (B) 762 P.S.F to (C) 1214 P.S.F. Initial Closed In Period Minutes 30 (D) 1238 P.S.F. Final Flow Period Minutes 30 (E) 1197 P.S.F to (F) 1235 P.S.F. Final Closed In Period Minutes 30 (G) 1239 P.S.F.		rted Off Bo	ttom 8:40 P.I	M P.M. Maxi	mum Temp	erature	116
Initial Closed In Period Minutes 30 (D) 1238 P.S.I.	Initial Hydrostatic Pressure		(A)	1835 P.S.I.			
Final Flow Period. Minutes 30 (E) 1197 P.S.I. to (F) 1235 P.S.I. Final Closed In Period Minutes 30 (G) 1239 P.S.I.	Initial Flow Period Minutes	30	(B)	762 P.S.I to	(C)	1214	P.S.I.
Final Closed In Period Minutes 30 (G) 1239 P.S.I.	Initial Closed In PeriodMinutes		(D)	1238 P.S.I.			
4007	Final Flow Period Minutes	30	(E)	1197 P.S.I. to (F)	1235 _F	P.S.I.
Final Hydrostatic Pressure (H) 1807 P.S.L	Final Closed In Period Minutes	30	(G)				
The shall got be table for the same of any local to the appearance of the configuration of the same of			(H)	1807 _{P.S.I.}		··· · · · · · · · · · · · · · · · · ·	

Diamond Testing shall not be hable 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.



Client Information:

Company: REIF OIL+GAS LLC

Contact: DON REIF

Phone: Fax: e-mail:

Site Information:

Contact: KURT TALBOTT

Phone: Fax: e-mail:

Well Information:

Name: CARR #3

Operator: REIF OIL+GAS LLC

Location-Downhole:

Location-Surface: S1/21S/16W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KURT TALBOT

Test Type: DST #4 CONVENTIONAL Job Number: D1178

Test Unit:

Start Date: 2012/07/16 Start Time: 08:00:00

End Date: 2012/07/16 End Time: 17:00:00

Report Date: 2012/07/16 Prepared By: JOHN RIEDL

Remarks: Qualified By: KURT TALBOTT

RECOVERY: 2800' GASSY WATER

P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

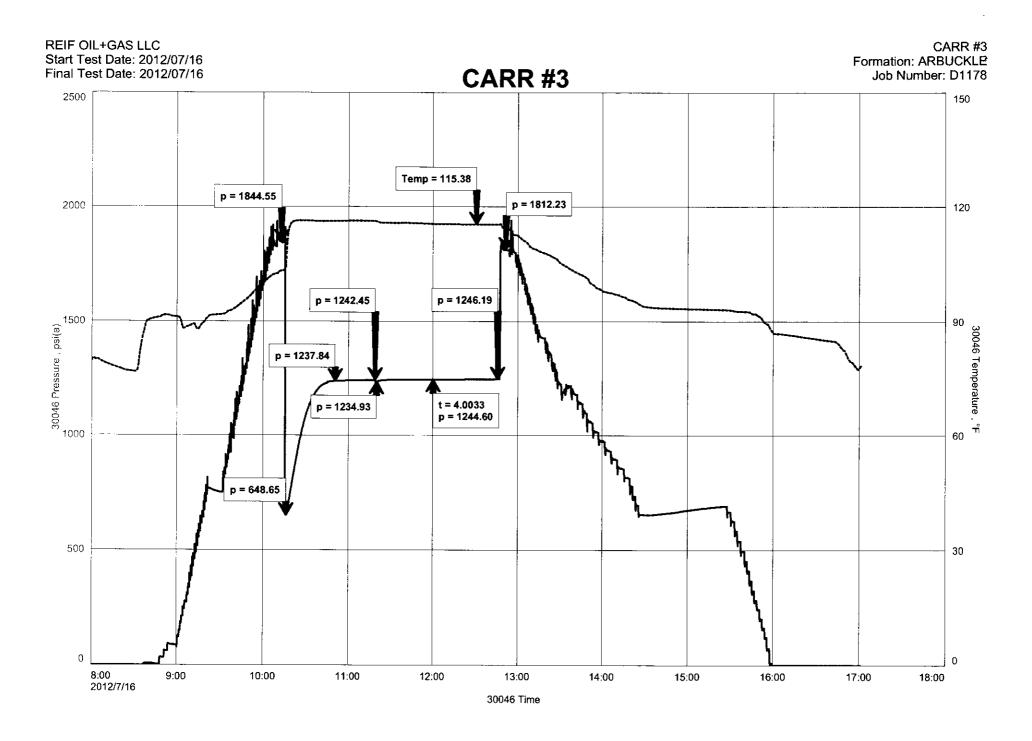
DRILL-STEM TEST TICKET

TIME ON: 8:00 7/16/12

TIME OFF: 17:00 7/16/12

FILE: STC	Carr3dst4
Company REIF OIL+GAS LLC	Lease & Well No. CARR #3
Contractor SOUTHWIND RIG 4	Charge to REIF OIL+GAS LLC
Elevation 1889 K.B Formation ARBUC	KLE Effective Pay Ft. Ticket No. D1178
	Range 16 W County PAWNEE State KANSAS
Test Approved By KURT TALBOTT	Diamond Representative JOHN RIEDL
Formation Test No. 4 Interval Tested from	3806 ft. to 3818 ft. Total Depth 3818 ft.
Packer Depth 3801 ft. Size 6 3/4 in.	Packer depthft. Size6 3/4in.
Packer Depth 3806 ft. Size 6 3/4 in.	Packer depthft. Size6_3/4in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3809 ft.	Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3815_ft.	Recorder Number 11073 Cap 4000 P.S.I.
Below Straddle Recorder Depth ft.	Recorder Number Cap. P.S.I.
Mud Type CHEMICAL Viscosity 50	Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 10	cc. Weight Pipe Length 0 ft. 1.D. 2 7/8 in
Chlorides 7,500 P.P.M.	Drill Pipe Length 3666 ft. 1.D. 3 1/2 ini
Jars: Make STERLING Serial Number NOT REQUESTED	Test Tool Length 20 ft. Tool Size 3 1/2-IF in:
Did Well Flow? NO Reversed Out NO	Anchor Length 12 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:STRONG (B.O.B 1 MIN)	GOOD BB
^{2nd Open:} GOOD (GTS 20 MIN "TSTM") BLOW V	VEAKENED + DIED IN 40 MIN. NO BB
Recovered 2800 ft. of GW (15%GAS 85%WATER) CHLORID	ES 26,000 Ppm
Recovered ft. of	
Recovered ft. of	
Recovered ft. of	
Recovered ft. of	Price Job
Recovered 0 ft. of	Other Charges
Remarks: TOTAL FLUID RECOVERY: 2800' (120' IN DRILL	COLLARS 2680' IN DRILL PIPE) Insurance
	Total
40:45 A B4 A.M.	Δ Μ
Time Set Packer(s) 10:15 A.M P.M. Time Started Off	Bottom 12:45 A.M P.M. Maximum Temperature 115
Initial Hydrostatic Pressure	
Initial Flow Period	(b)1.3.1. to (c)
Initial Closed In Period	(b) 12.12 P.S.I.
Final Flow Period	(E) 1200 F,S.I. (U (F) F,S.I.
Final Closed In PeriodMinutes45	
Final Hydrostatic Pressure	(H) 1812 _{P.S.L}

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





FIELD SERVICE ORDER NO.

10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET

1718 A

JOB	DISTRICT				NEW □ OLD □ PROD □ INJ □ WDW □ CUSTOMER ORDER NO.:							
CUSTOMER					LEASE WELL NO.							
ADDRESS					COUNTY			STATE				
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AUTHORIZED BY		· ·-··			JOB TYPE:	,						
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