

CASING MECHANICAL INTEGRITY TEST

DOCKET # C-19486

Disposal Enhanced Recovery:

SW NE SE, Sec 25, T 15 S, R 9 E/W

Repressuring
Flood
Tertiary

1650 Feet from South Section Line
990 Feet from East Section Line

Date injection started _____
API #15 _____

Lease Donald Kihn Well # 1
County Ellsworth

Operator: Comanche Production
Name & Address 4121 W. 83rd.
Prairie Village, KS 66208

Operator License # 5608
Contact Person John Willhardt
Phone 913-341-9772

Max. Auth. Injection Press. 450 psi; Max. Inj. Rate 500 bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

Conductor	Surface	Production	Liner	Size	Tubing
	<u>8 5/8</u>	<u>4 1/2</u>		<u>2 1/2</u>	
Set at	<u>240</u>	<u>3066</u>		Set at	<u>1853</u>
Cement Top	<u>0</u> 150x	<u>1566</u> 375x		Type	
" Bottom	<u>240</u>	<u>3066</u>			

DV/Perf. _____ TD (and plug back) _____ ft. depth
Packer type Arrow single rubber Size _____ Set at 1523
Zone of injection 5759 ft. to ft. 2765 Perf. or open hole perf

Type Mit: Pressure Radioactive Tracer Survey and Arb. - open 3066 3140
Temperature Survey

F Time: Start 10 Min. 20 Min. 30 Min.
I
E Pressures: 475 475 475 Set up 1 System Pres. during test 0
L Set up 2 Annular Pres. during test 0
D Set up 3 Fluid loss during test 0 bbls.

A Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Packer

Test Date 9/10/84 Using Halliburton Company's Equipment

The operator hereby certifies that the zone between 0 feet and 1523 feet

was the zone tested [Signature] Signature Field Op. Title

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent Nancy McKee Title Env. Tech. Witness: Yes No _____

REMARKS: _____

Origin. Conservation Div.; KDHE/T; Dist. Office;
 Computer Update

CASING MECHANICAL INTEGRITY TEST

DOCKET # D-19 486

Disposal Enhanced Recovery:

SW NE SE, Sec 25, T 15 S, R 9 E

Repressuring
Flood
Tertiary

1650 Feet from South Section Line
990 Feet from East Section Line

Date injection started _____
API #15 - 053 - 20,503

Lease Donald Kihn Well # 1
County Ellsworth

Operator: Oil Producers Inc. & F Kansas
Name & Address 1346 N. Woodlawn
P.O. Box 8647
Wichita, Kansas 67208

Operator License # 8061
Contact Person Brad Siroky
Phone 316-672-3440

Max. Auth. Injection Press. 150 psi; Max. Inj. Rate 500 bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Size	Tubing
Size		<u>8 5/8</u>	<u>4 1/2</u>			<u>2 1/2</u>
Set at		<u>240</u>	<u>3066</u>			<u>1853</u>
Cement Top		<u>0</u>	<u>1566 375 cu</u>			Type <u>Steel</u>
" Bottom		<u>240</u>	<u>3066</u>			
DV/Perf.			TD (and plug back)			ft. depth
Packer type	<u>Arrow Single Rubber</u>		Size		Set at <u>1523</u>	
Zone of injection	<u>2759</u>	ft. to ft.	<u>2765 to 2782-85</u>		Perf. or open hole	<u>Perf. & open hole Arrow</u>

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F I E L D D A T A
Time: Start 10 Min. 20 Min. 30 Min.
Pressures: 180 180 180 Set up 1 | System Pres. during test Sec
Set up 2 | Annular Pres. during test 0
Set up 3 | Fluid loss during test 0 bbls.

Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Packer

Test Date 9/2/86 Using Great Plains Fluid Service Company's Equipment

The operator hereby certifies that the zone between 0 feet and 1523 feet

was the zone tested [Signature] Signature _____ Title _____

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent [Signature] Title PART II Witness: Yes No _____

REMARKS: To be amended from 450 PSI Max to 150 PSI Max in J press. Treated water in annulus
Tested w/Fluid

Origin. Conservation Div.; KDHE/T; Dist. Office;
 Computer Update

CASING MECHANICAL INTEGRITY TEST

DOCKET # 17-19,4R

Disposal Enhanced Recovery: SW NE SE, Sec 25, T 15 S, R 9 E W

Repressuring
Flood
Tertiary

1650 Feet from South Section Line
090 Feet from East Section Line

Date injection started _____
API #15 - 08-20503

Lease Kihw Well # Sect #1
County Alameda

Operator: B.R. H. Ret. Jr. Operator License # 20517157
Name & Address 7134 S yale Suite 600 Contact Person Mike Connell
Julesa, Ca. 74136 Phone 316-582-3695 Day 316-797-0512

Max. Auth. Injection Press. 12 psi; Max. Inj. Rate 500 bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Size	Tubing
Size		<u>8 7/8</u>	<u>4 1/2</u>			<u>2 7/8</u>
Set at		<u>240</u>	<u>3066</u>			<u>1853</u>
Cement Top		<u>0</u>	<u>1566</u>			<u>steel</u>
" Bottom		<u>240</u>	<u>3066</u>			
DV/Perf.						
Packer type	<u>arrest</u>					
Zone of injection	<u>2769</u>	ft. to ft. <u>2765-85</u>				Perf. or open hole <u>Left side</u>

TD (and plug back) _____ ft. depth
Size 4 1/2 x 2 7/8 Set at 1853

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F Time: Start 10 Min. 20 Min. 30 Min.
I
E Pressures: 125 125 125 Set up 1 | System Pres. during test vac.
L Set up 2 | Annular Pres. during test 0
D Set up 3 | Fluid loss during test 0 bbls.
D
A
T Tested: Casing or Casing - Tubing Annulus
A

The bottom of the tested zone is shut in with Packer
Test Date 5/30/91 Using Broken Tool Company's Equipment
The operator hereby certifies that the zone between surf feet and _____ feet
was the zone tested. Mike Connell Signature _____ Title

The results were Satisfactory , Marginal , Not Satisfactory
State Agent Ralph Tuttle Title ST Witness: Yes No
REMARKS: Tested in annulus

Origin. Conservation Div.; KDHE/T; Dist. Office;
 Computer Update

DL + MKC

CASING MECHANICAL INTEGRITY TEST

DOCKET # D-19486

Disposal Enhanced Recovery:

SW NE SE, Sec 25, T 15 S, R 9 E ^(N)

Repressuring
 Flood
 Tertiary

1650 Feet from South Section Line
990 Feet from East Section Line

Date injection started _____
 API # 15-053-20503

Lease Kihn SWD Well # 1
 County Ellsworth

Operator: Comanche Prod
 Name & Address 2512-C East 71st St
Tulsa, Ok 74136

Operator License # 31630
 Contact Person Mike Connell
 Phone 316-587-3695

Max. Auth. Injection Press. psi; Max. Inj. Rate 500 bbl/d;
 If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Size	Tubing
Size	_____	<u>8 5/8</u>	<u>4 1/2</u>	_____	_____	<u>2 7/8</u>
Set at	_____	<u>240</u>	<u>3066</u>	_____	_____	<u>1853</u>
Cement Top	_____	<u>0</u>	<u>1566</u>	_____	_____	Type <u>Steel</u>
" Bottom	_____	<u>240</u>	<u>3066</u>	_____	_____	
DV/Perf.	_____	_____	_____	_____	_____	_____
Packer type	<u>arrow</u>	_____	_____	_____	_____	_____
Zone of injection	<u>2759</u> ft. to	_____	<u>2765-85</u> ft.	_____	_____	_____

TD (and plug back) _____ ft. depth
 Set at 1853
 Perf. or open hole Perf + OH

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F Time: Start 10 Min. 20 Min. 30 Min.
 I Pressures: 150 # 150 # 150 # Set up 1 System Pres. during test _____
 L Set up 2 Annular Pres. during test 150
 D Set up 3 Fluid loss during test 0 bbls.

T Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Packer

Test Date 9-12-96 Using Brackeen Line Cleaning Company's Equipment

The operator hereby certifies that the zone between 0 feet and 1853 feet

was the zone tested Mike Connell Signature Permer Title

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent R. Phil Worley Title Env Geol. Witness: Yes No _____

REMARKS: Treated water in annulus.

Origin. Conservation Div.; KDHE/T; Dist. Office;
 Computer Update

COPY

DOCKET # D-19486

CASING MECHANICAL INTEGRITY TEST

Disposal Enhanced Recovery:

Repressuring
Flood
Tertiary

Date injection started _____
API #15 -053 - 20503

SW NE SE, Sec 25, T 15 S, R 9 E. ^(W)

1650 Feet from South Section Line
990 Feet from East Section Line

Lease Kihn SWD Well # 1
County Ellsworth

Operator: Centrex Oper. Co.
Name &
Address PO Box 52058
Tulsa, Ok 74152

Operator License # 31300
Contact Person Mike Connell
Phone 316-587-3695

Max. Auth. Injection Press. 0 psi; Max. Inj. Rate 500 bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

Size	Conductor	Surface	Production	Liner	Size	Tubing
		<u>8 5/8</u>	<u>4 1/2</u>			<u>2 7/8</u>
Set at		<u>240</u>	<u>3066</u>		Set at	<u>1853</u>
Cement Top		<u>0</u>	<u>1566</u>		Type	<u>Steel</u>
" Bottom		<u>240</u>	<u>3066</u>			

DV/Perf. _____ TD (and plug back) _____ ft. depth
Packer type arrow Size 4 1/2 X 2 7/8 Set at 1853
Zone of injection 2759 ft. to ft. 2765-85 ~~Perf.~~ or open hole Perf. & OH

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F Time: Start 10 Min. 20 Min. 30 Min.
I
E Pressures: 158# 158# 158# Set up 1 | System Pres. during test -
L Set up 2 | Annular Pres. during test 158#
D Set up 3 | Fluid loss during test 0 bbls.

T Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Packer

Test Date 8-11-99 Using Brackeen Line Cleaning Company's Equipment

The operator hereby certifies that the zone between 0 feet and 1853 feet

was the zone tested Mike Connell Signature Pumper Title

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent R. Phil Worley Title Environ. Geol. Witness: Yes No _____

REMARKS: Treated water in annulus. SWDW is shut down. It will be put on TA.

Origin. Conservation Div.; KDEH/T; Dist. Office;

Computer Update

CASING MECHANICAL INTEGRITY TEST

DOCKET # D-19486

Disposal Enhanced Recovery:

SW NE SE, Sec 25, T 15 S, R 9 E ^(W)

Repressuring

1650 Feet from South Section Line

Flood

990 Feet from East Section Line

Tertiary

Date injection started _____

Lease Kihn SWD Well # 1

API #15 - 053 - 20503

County Ellsworth

Operator: Rupe Oil Co. Inc

Operator License # 5047

Name & Address P.O. Box 783010

Contact Person Mike Connell

Wichita, Ka 67278-3010 Phone (316) 689-3520

Max. Auth. Injection Press.	<u>0</u> psi;	Max. Inj. Rate	<u>500</u> bbl/d;
If Dual Completion - Injection above production		Injection below production	
Conductor	Surface	Production	Liner
Size	<u>8 5/8</u>	<u>4 1/2</u>	
Set at	<u>240</u>	<u>3066</u>	
Cement Top	<u>0</u>	<u>1566</u>	
" Bottom	<u>240</u>	<u>3066</u>	
TD/Perf.		TD (and plug back)	ft. depth
Packer type	<u>Arrow</u>	Size <u>4 1/2 x 2 7/8</u>	Set at <u>2589</u>
Zone of injection	<u>2765</u> ft. to ft.	<u>2785</u>	Perf. or open hole <u>Perf + OH</u>

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F	Time: Start	<u>10</u> Min.	<u>20</u> Min.	<u>30</u> Min.	
I	Pressures:	<u>160</u> #	<u>160</u> #	<u>160</u> #	Set up 1 System Pres. during test <u>-</u>
E					Set up 2 Annular Pres. during test <u>160</u> #
L					Set up 3 Fluid loss during test <u>0</u> bbls.
D					
D					
A					
T	Tested: Casing	<input type="checkbox"/>	or Casing - Tubing Annulus	<input checked="" type="checkbox"/>	
A					

The bottom of the tested zone is shut in with Packer

Test Date 3-7-00 Using Brackeen Line Cleaning Company's Equipment

The operator hereby certifies that the zone between 0 feet and 2589 feet

was the zone tested Mike Connell Signature Pump Title

The results were Satisfactory , Marginal , Not Satisfactory

State Agent R. Phil Worley Title Env. Geol. Witness: Yes No

REMARKS: Recently 736.5' of duo-lined tubing was added. Treated water in annulus.

Origin. Conservation Div.; KDHE/T; Dist. Office;

Computer Update

LAT = 38.71567°N
 LONG = -98.26617°W

DOCKET # D-19486

CASING MECHANICAL INTEGRITY TEST

Disposal Enhanced Recovery:

Repressuring
 Flood
 Tertiary

Date injection started _____
 API #15 - -

SW NE SE, Sec 25, T 15 S, R 9 W

11613' Feet from South Section Line
 1152' Feet from East Section Line

Lease Donald Kehn Well # 1 SWD
 County Ellsworth

Operator: Rupe Oil Company, Inc. Operator License # 5047
 Name & Address 111 Whittier Suite #100
P.O. Box 783010 Contact Person Mike Connell
Wichita, KS 67278-3010 Phone 620-562-7826

Max. Auth. Injection Press. 150 psi; Max. Inj. Rate 500 bbl/d;
 If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Tubing
Size		8 5/8"	4 1/2"		Size 2 7/8"
Set at		240'	3066'		Set at 2589'
Cement Top		0'	1566'		Type <u>Steel & PVC-lined</u>
" Bottom		240'	3066'		
DV/Perf.				TD (and plug back) 3066'	ft. depth
Packer type	<u>Arrow tension</u>		Size 4 1/2" V 2 7/8"	Set at 2589'	
Zone of injection	<u> Lansing - KC</u>	ft. to ft. 2765 - 3066	Perf. or open hole	<u>Open hole & perf</u>	

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F	I	E	L	D	D	A	T	A
Time: Start	<u>0</u>	Min. <u>15</u>	Min. <u>30</u>	Min. _____				
Pressures:	<u>120</u>	<u>120</u>	<u>95</u>	<u>stopped</u>	Set up 1	System Pres. during test	<u>VAC</u>	
	<u>120</u>	<u>120</u>	<u>120</u>		Set up 2	Annular Pres. during test	<u>95-120</u>	
					Set up 3	Fluid loss during test	<u>0</u> bbls.	
Tested: Casing <input type="checkbox"/>		or. Casing - Tubing Annulus <input checked="" type="checkbox"/>						

The bottom of the tested zone is shut in with arrow packer

Test Date 5-6-05 Using Brackeen Line Cleaning Company's Equipment

The operator hereby certifies that the zone between 0' feet and 2589' feet was the zone tested

Mike Connell Signature X Pumps Title

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent Michael R Wilson Title PIAT II Witness: Yes No _____

REMARKS: Bled off air between tests. Annulus filled w/ treated water

GPO & previously on 5-5-10.

DOCKET # D-19486

CASING MECHANICAL INTEGRITY TEST

Disposal Enhanced Recovery:

Repressuring
 Flood
 Tertiary

Date injection started _____
 API #15 - 053-90246-0000

SW NE SE, Sec 25, T 15 S, R 9 E W

1650 Feet from South Section Line
990 Feet from East Section Line

Lease Donald Kihn Well # 1
 County Ellsworth

Operator: Rupe Oil Company Inc. Operator License # 5047
 Name & Address 111 Whittier #1000 Contact Person Mike Connell
Wichita, Ks. 67228-3010 phone 620-562-7826

Max. Auth. Injection Press. 150 psi; Max. Inj. Rate 500 bbl/d;
 If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Tubing
Size		<u>8 5/8"</u>	<u>4 1/2"</u>		Size <u>2 7/8"</u>
Set at		<u>240'</u>	<u>3066'</u>		Set at <u>2589'</u>
Cement Top		<u>0</u>	<u>1566'</u>		Type <u>Steel Duo-line</u>
" Bottom		<u>240'</u>	<u>3066'</u>		
DV/Perf.					TD (and plug back) <u>3066'</u> ft. depth
Packer type	<u>Coated AD-1 packer</u>		Size <u>4 1/2" x 2 7/8"</u>		Set at <u>2589'</u>
Zone of injection	<u>Lansing KC</u> ft. to ft. <u>2765-3066</u>				Perf. or open hole <u>Open hole & pe</u>

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F Time: Start 0 Min. 15 Min. 30 Min.

I Pressures: 160 160 160 Set up 1 System Pres. during test —

L Set up 2 Annular Pres. during test 160

D Set up 3 Fluid loss during test 0 bbls.

Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Coated AD-1 Packer

Test Date 8-6-10 Using Rupe Oil Company's Equipment

The operator hereby certifies that the zone between 0 feet and 2589 feet

was the zone tested Phil Connell
 Signature Title

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent Virgil Clothier Title PART II Witness: Yes No _____

REMARKS: 1 year cycle - 500 gal. Argard in annulus.

38.71383 N 1410' W
-098.26605 W 1016' FEL

DOCKET # D-19486

CASING MECHANICAL INTEGRITY TEST

Disposal Enhanced Recovery:

Repressuring
Flood
Tertiary

Date injection started _____
API #15 -053-20503-0001

SW NE SE Sec 25, T 15S, R 9 E (W)

1650 Feet from South Section Line
990 Feet from East Section Line

Lease Donald Kihn Well # 1
County EW

Operator RUPE Oil Company, Inc. Operator License # 5047
Name & Address 111 Whittier #1000 Contact Person Mark Connell
Wichita, Ks. 67207 Phone 620-786-1228

Max. Auth. Injection Press. 150 psi; Max. Inj. Rate 500 bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Size	Tubing
Size	_____	<u>8 3/8"</u>	<u>4 1/2"</u>	_____	_____	<u>2 7/8"</u>
Set at	_____	<u>240'</u>	<u>3066'</u>	_____	_____	Set at <u>2589'</u>
Cement Top	_____	<u>0</u>	<u>1566'</u>	_____	_____	Type <u>Duo-lined</u>
" Bottom	_____	<u>240'</u>	<u>3066'</u>	_____	_____	
DV/Perf.	_____	_____	_____	_____	_____	_____
Packer type	<u>Coated AD-1</u>	_____	_____	_____	_____	_____
Zone of injection	<u>Leasing KC</u>	_____	_____	_____	_____	_____

TD (and plug back) _____ ft. depth
Size 4 1/2" x 2 7/8" Set at _____
Zone of injection _____ ft. to ft. 2765-3066 Perf) or open hole OH + perms

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F Time: Start 0 Min. 15 Min. 30 Min.
I
E Pressures: 195 195 195 Set up 1 System Pres. during test —
L Set up 2 Annular Pres. during test 195
D Set up 3 Fluid loss during test 0 bbls.

T Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Packer

Test Date 10-30-12 Using Brackeen Line Cleaning Company's Equipment

The operator hereby certifies that the zone between 0 feet and 2589 feet

was the zone tested _____
Signature _____ Title _____

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent Virgil Clothier Title PIRT-II Witness: Yes No _____

REMARKS: 1 year cycle - Polymer in annulus (Anagard)

Origin. Conservation Div.; KDFE/T; Dist. Office;
 Computer Update

PO Box 783010

38.11583
-098.26605°

1671
1016' FEL

DOCKET D-19486

CASING MECHANICAL INTEGRITY TEST

Disposal Enhanced Recovery:

Repressuring
 Flood
 Tertiary

Date injection started _____
 API #15 - 053-20503-0001

SU NE SE, Sec 25, T 15 S, R 9 E/W

1650 Feet from South Section Line
990 Feet from East Section Line

Lease Donald Kihn Well # 1
 County EW

Operator Rupe Oil Company, Inc. Operator License # 5047
 Name & Address 111 Whittier, #1000 Contact Person Dustin Daniels
Wichita, Ks. 67207 Phone (620) 992-7080

Max. Auth. Injection Press. 150 psi; Max. Inj. Rate 500 bbl/d;
 If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Tubing
Size		<u>8 5/8"</u>	<u>4 1/2"</u>		Size <u>2 7/8"</u>
Set at		<u>240'</u>	<u>3066'</u>		Set at <u>2389'</u>
Cement Top		<u>0</u>	<u>1566'</u>		Type <u>Duo-lined</u>
" Bottom		<u>240'</u>	<u>3066'</u>		
DV/Perf.			TD (and plug back)		<u>3066</u> ft. depth
Packer type	<u>Coated AD-1</u>		Size <u>4 1/2" x 2 7/8"</u>	Set at	<u>2589'</u>
Zone of injection	<u>Leasing KC</u>	ft. to ft. <u>2765-3066'</u>	Perf. or <u>open hole</u>		<u>OH</u>

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F Time: Start 0 Min. 15 Min. 30 Min.

I Pressures: 330 320 320 Set up 1 | System Pres. during test -

L Set up 2 | Annular Pres. during test 320-330

D Set up 3 | Fluid loss during test 0 bbls.

D Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Packer

Test Date 10-24-14 Using Brackeen Line Cleaning Company's Equipment

The operator hereby certifies that the zone between 0 feet and 2589 feet was the zone tested

Dustin Daniels Signature Pumper Title

The results were Satisfactory , Marginal _____, Not Satisfactory _____

State Agent Virgil Clothier Title PIRT II Witness: Yes No _____

REMARKS: Polymer in annulus - 1 year cycle.

Origin. Conservation Div.; KDHE/T; Dist. Office;
 Computer Update

518 6250

