

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

12/23/12

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**

**ORIGINAL**

OPERATOR: License # 32686  
Name: REILLY OIL COMPANY, INC.  
Address 1: PO. BOX 277  
Address 2: \_\_\_\_\_  
City: WAKEENEY State: KS. Zip: 67672 + 0277  
Contact Person: DUSTY RHOADES  
Phone: (785) 743-6774  
CONTRACTOR: License # 33575  
Name: WW DRILLING, LLC.  
Wellsite Geologist: RICHARD B. BELL  
Purchaser: COFFEYVILLE RESOURCES

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
9/15/2011    9/21/2011    9/22/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-195-22728-0000  
Spot Description: \_\_\_\_\_  
SW NW SE NE Sec. 5 Twp. 11 S. R. 24  East  West  
1,699 Feet from  North /  South Line of Section  
1,135 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: TREGO  
Lease Name: ANGIE Well #: 1-5  
Field Name: WILDCAT  
Producing Formation: LANSING - KANSAS CITY  
Elevation: Ground: 2373 Kelly Bushing: 2378  
Total Depth: 4200 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 232 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2018 Feet  
If Alternate II completion, cement circulated from: 2018  
feet depth to: SURFACE w/ 435 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 22,000 ppm Fluid volume: 1,300 bbls  
Dewatering method used: AIR DRY / BACKFILL  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: CONFIDENTIAL License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: CONFIDENTIAL Permit #: \_\_\_\_\_

**KCC**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.  
Signature: [Signature]  
Title: PRODUCTION SUPERINTENDENT Date: 12/20/2011

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: 12/28/11 - 12/23/12  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NS Date: 12/27/12

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NS

Operator Name: REILLY OIL COMPANY, INC. Lease Name: ANGIE Well #: 1-5  
 Sec. 5 Twp. 11 S. R. 24  East  West County: TREGO

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Density / Neutron Dual Induction Micro Sonic</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
---	--

CASING RECORD <input checked="" 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
SURFACE	12 1/4	8 5/8	20#	232'	COMMON	160	3% cc. 2% gel
PRODUCTION	7 7/8	5 1/2	15.5	4001'	bottom	165	common /3sx. gel
					top stage	486	asc. lite / flo-seal

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 per foot	3757 - 3761	300 gallons 15% MCA. with 2% M/S	3761
		750 gallons NE with 2% M/S	3761

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TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>3902</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>10/17/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>55</u>	Gas Mcf _____ Water Bbls. <u>0</u> Gas-Oil Ratio _____ Gravity <u>30</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3757 - 3761</u>
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REILLY OIL COMPANY, INC.  
 PO. BOX 277  
 WAKEENEY, KANSAS 67672  
 PH. 785 - 743-6774

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ANGIE # 1-5  
 1699' FNL. & 1135 FEL.  
 SECTION 5-11s-24w.  
 TREGO COUNTY, KANSAS

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LOG TOPS	DEPTH	DATUM
Top Anhydrite	1994	+384
Base Anhydrite	2038	+341
Topeka	3471	-1093
Heebner	3688	-1310
Toronto	3710	-1332
Lansing	3726	-1348
Base Kansas City	3960	-1582
Pawnee	4086	-1708
Ft. Scott	4161	-1783
RTD	4200	-1822
LTD	3925	

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Dst. # 1 3,748 - 3,767 " C "

Open 30 minutes  
 Shut-in 60 minutes  
 2<sup>nd</sup>. Open 30 minutes  
 Shut-in 60 minutes  
 Recovered:

TOTAL FLUID 630'

lhp. - 1796 PSI.  
 IFP - 12-98 psi.  
 ISIP. - 1149 psi.  
 TEMPTURE:  
 Gravity:

Fair blow built to 6 ½ in.  
 Fair blow 6 ½ in.  
 Fair blow built to 5 in.  
 Fair blow 5 in.  
 568' clean oil  
 62' muddy oil

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FHP. - 1795 psi.  
 FFP. 112-168 psi.  
 FSIP. - 1124 psi.  
 112  
 28.5 @ 60 degrees

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Dst. # 2 3,794' – 3,822' "E" & "F"

Open 30 minutes  
Shut-in 60 minutes  
2<sup>nd</sup>. Open 10 minutes  
Shut-in 15 minutes  
Recovered

Weak blow built to 1 in.  
No blow back  
No blow  
No blow  
52' gas in pipe  
10' Oily mud

TOTAL FLUID 10' Oily mud

IHP. 6 psi.  
IFP. 1,007 psi.  
ISIP 1818 psi.  
Temperature  
Gravity:

FHP. 21 psi.  
FFP. 26 psi.  
FSIP 1818 psi.  
111

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Dst. # 3 3,846' – 3,877' "H"

Open 30 minutes  
Shut-in 30 minutes  
2<sup>nd</sup>. Open 30 minutes no blow  
Shut-in 30 minutes no blow  
Recovered

Weak surface blow built to ¼ in. in 30 minutes  
No blow back  
No blow back  
No blow back  
3' Drilling mud

IHP. 1855 psi.  
IFP. 7 psi.  
ISIP. 1150  
Temperature  
Gravity:

FHP. 1855 psi.  
FFP. 12 psi.  
FSIP. 1118 psi.  
110

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Dst. # 4 3,876' - 3,918' "i" & "j"

Open 30 minutes  
Shut-in 30 minutes  
2<sup>nd</sup>. Open 30 minutes  
Shut-in 30 minutes  
Recovered

IHP. 1875 psi.  
IFP. 7-9 psi.  
ISIP. 8 psi.  
Temperature  
Gravity:

Weak blow died in 5 ½ minutes  
No blow back  
No blow  
No blow back  
2' Drilling mud

FHP. 1875  
FFP. 8-9 psi.  
FSIP. 19 psi.  
110

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# ALLIED CEMENTING CO., LLC. 038284

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell Ks.

DATE <u>9-15-2011</u>	SEC. <u>S</u>	TWP. <u>11</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Annie</u>	WELL # <u>1-5</u>	LOCATION <u>Waxenberg Ks. 60x 8w</u>			COUNTY <u>Trego</u>	STATE <u>KANSAS</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)				<u>1N 1/2 E 1/2 S 4 E T10</u>			

CONTRACTOR W-W Dalg. Rig # 8 OWNER \_\_\_\_\_

TYPE OF JOB Cement SURFACE

HOLE SIZE 1 1/4 ID. 232'

CASING SIZE 8 5/8 Used DEPTH 232'

TUBING SIZE 20 # CSG. DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15-20'

PERFS. \_\_\_\_\_

DISPLACEMENT 13.88 / BAL

CEMENT AMOUNT ORDERED <u>160 ex Comm.</u>			
	<u>3% cc</u>		
	<u>2% Gel</u>		
COMMON <u>160</u>	@ <u>16.25</u>	<u>2600.00</u>	
POZMIX	@		
GEL <u>5</u>	@ <u>21.25</u>	<u>63.75</u>	
CHLORIDE <u>5</u>	@ <u>58.20</u>	<u>291.00</u>	
ASC	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING <u>16t</u>	@ <u>2.25</u>	<u>378.00</u>	
MILEAGE <u>11.104</u> <u>(23)</u>		<u>425.00</u>	
TOTAL		<u>3752.79</u>	

EQUIPMENT

PUMP TRUCK CEMENTER Gilean

# 417 HELPER Woody

BULK TRUCK

# 378 DRIVER Mark

BULK TRUCK

# DRIVER

REMARKS:  
Ray 5 NEEDS OF # 8 5/8 CSG.  
Set @ 232' Received Circulation  
& Cement w/ 160 ex Comm. 3+2  
Displace BBL H<sub>2</sub>O & Shut  
IN @ 360#.  
Cement Did Circulate to SURFACE  
THANK'S

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>46</u>	@ <u>7.00</u>	<u>322.00</u>
MANIFOLD	@	
	@	
	@ <u>4.00</u>	<u>184.00</u>
TOTAL		<u>1631.00</u>

CHARGE TO: Reilly Oil Company Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., 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 Mark Biggs

SIGNATURE Mark Biggs

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES 5388.79

DISCOUNT 50% IF PAID IN 30 DAYS

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# ALLIED CEMENTING CO., LLC. 043421

EMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Dakley, ks

DATE <u>9-22-11</u>	SEC. <u>5</u>	TWP. <u>11</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30pm</u>	JOB FINISH <u>2:50pm</u>
WELL# <u>Argie</u>	WELL# <u>1-5</u>	LOCATION <u>Uodar Uto Rd B, 1E, 1W</u>			COUNTY <u>Trego</u>	STATE <u>KS</u>	
LD OR NEW (Circle one)				<u>12, 5E into</u>			

CONTRACTOR Ww Rig Co  
 TYPE OF JOB production (Bottom Stage)  
 HOLE SIZE 7 7/8 T.D. 4200'  
 CASING SIZE 5 1/2 DEPTH 7001.34  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL D.U. DEPTH 2018'  
 RES. MAX MINIMUM  
 LEAS. LINE SHOE JOINT 42.17  
 CEMENT LEFT IN CSG. 42.17  
 ERFS.  
 DISPLACEMENT 94.23

OWNER same  
 CEMENT  
 AMOUNT ORDERED 165 sks com 102 use 11  
220 gal  
500 gal WFR-2  
 COMMON 165 sks @ 16.25 2681.25  
 POZMIX @  
 GEL 35 sks @ 21.25 743.75  
 CHLORIDE @  
 ASC @  
 salt 15 sks @ 23.95 359.25  
 WFR-2 50 gal @ 1.27 63.50  
 HANDLING 183 sks @ 2.25 411.75  
 MILEAGE 118 sk mile 925.98

EQUIPMENT  
 PUMP TRUCK CEMENTER Lakene  
431 HELPER Darren  
 TANK TRUCK  
404 DRIVER Earl  
 TANK TRUCK  
396/306 DRIVER Ethan

REMARKS:  
Mix WFR-2 Mix 165 sks down  
casings. Displace with water &  
made. Open D.U. tool 1100'  
hookup rig lines & circulate mud.  
plug did not latch down & pressure up  
Thank you

TOTAL \_\_\_\_\_

CHARGE TO: Reilly Oil Company  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE  
 DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE 2909.00  
 EXTRA FOOTAGE @  
 MILEAGE 46 X 2 @ 7.00 322.00  
 MANIFOLD head @ 200.00  
light vehicle mileage @ 4.00 368.00  
 TOTAL 3617.00

To Allied Cementing Co., 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 David Ballentine

PLUG & FLOAT EQUIPMENT  
5 1/2  
 FR-1 DUTY TOOL 3226.00  
 FR-1 Latch down plug @ 272.00  
 FR-1 Top rubber plug @ 73.00  
 W-2 Baskets @ 337.00 674.00  
 W-40 Centralizers @ 4800 480.00  
 W-40 Reel/scratches @ 76.00 380.00  
 W-1- AFU Float shoe 349.00  
 TOTAL 8624.00

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 11,317.98  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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# ALLIED CEMENTING CO., LLC. 043422

EMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Oakley, Ks*

DATE <i>7-22-11</i>	SEC. <i>5</i>	TWP. <i>11</i>	RANGE <i>24</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
CASE <i>Angie</i>	WELL # <i>1-5</i>	LOCATION <i>Udard - N to Rd B-1 E,</i>			COUNTY <i>Trego</i>	STATE <i>Ks</i>	
LD OR <u>NEW</u> (Circle one)		<i>1 N, 1 E, S2 into</i>					

CONTRACTOR *WW Rig 6* OWNER *same*

TYPE OF JOB *production (top stage)*

COLE SIZE *2 7/8* T.D. *4200* CEMENT

ASING SIZE *3 1/2* DEPTH AMOUNT ORDERED *450 sks Lite*

UBING SIZE DEPTH *4 1/2 # flo seal*

RILL PIPE DEPTH

COL *DU* DEPTH *2018'*

RES. MAX MINIMUM COMMON @

IEAS. LINE SHOE JOINT POZMIX @

EMENT LEFT IN CSG. GEL @

ERFS. CHLORIDE @

ISPLACEMENT *48.03* ASC @

EQUIPMENT *Life 450 sks @ 14.50 6525.00*

UMP TRUCK CEMENTER *hahewe* *flo-seal 113 # @ 2.70 305.10*

*4.31* HELPER *Darren* @

ULK TRUCK @

*396/306* DRIVER *Ethan* @

ULK TRUCK DRIVER @

HANDLING *486 sks @ 2.23 1093.50*

MILBAGE *1065 k/mile 2459.76*

TOTAL *10382.76*

REMARKS:

*plug RH - 15 sks  
with 435 sks down casing  
Displace with water*

*cement did circulate*

*Thank you.*

CHARGE TO: *Reilly Oil Company*

TREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB PUMP TRUCK CHARGE *nc*

EXTRA FOOTAGE @

MILBAGE *46 x2 @ 2.00*

MANIFOLD @ *8.00*

*light vehicle @*

TOTAL *nc*

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

To Allied Cementing Co., 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]*

SALES TAX (If Any)

TOTAL CHARGES *10,382.76*

DISCOUNT IF PAID IN 30 DAYS

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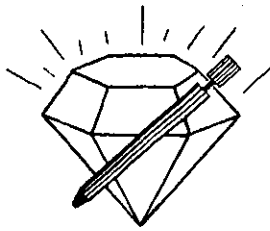
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# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30035.D0030

Company Reilly Oil Company, Inc. Lease & Well No. Angie No. 1-5  
Elevation 2378 KB Formation Lansing/Kansas City "I" & "J" Effective Pay -- Ft. Ticket No. S0030  
Date 9-20-11 Sec. 5 Twp. 11S Range 24W County Trego State Kansas  
Test Approved By Richard B. Bell Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 3,876 ft. to 3,918 ft. Total Depth 3,918 ft.  
Packer Depth 3,871 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 3,876 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,864 ft. Recorder Number 30035 Cap. 10,000 psi  
Bottom Recorder Depth (Outside) 3,915 ft. Recorder Number 3851 Cap. 5,700 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor WW Drilling, LLC - Rig 6 Drill Collar Length 126 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.3 Water Loss 6.8 cc. Drill Pipe Length 3,724 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 42 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, surface blow. Died in 5 1/2 mins. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

Recovered 2 ft. of oil specked mud = .009840 bbls. (Grind out: 100%-mud)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

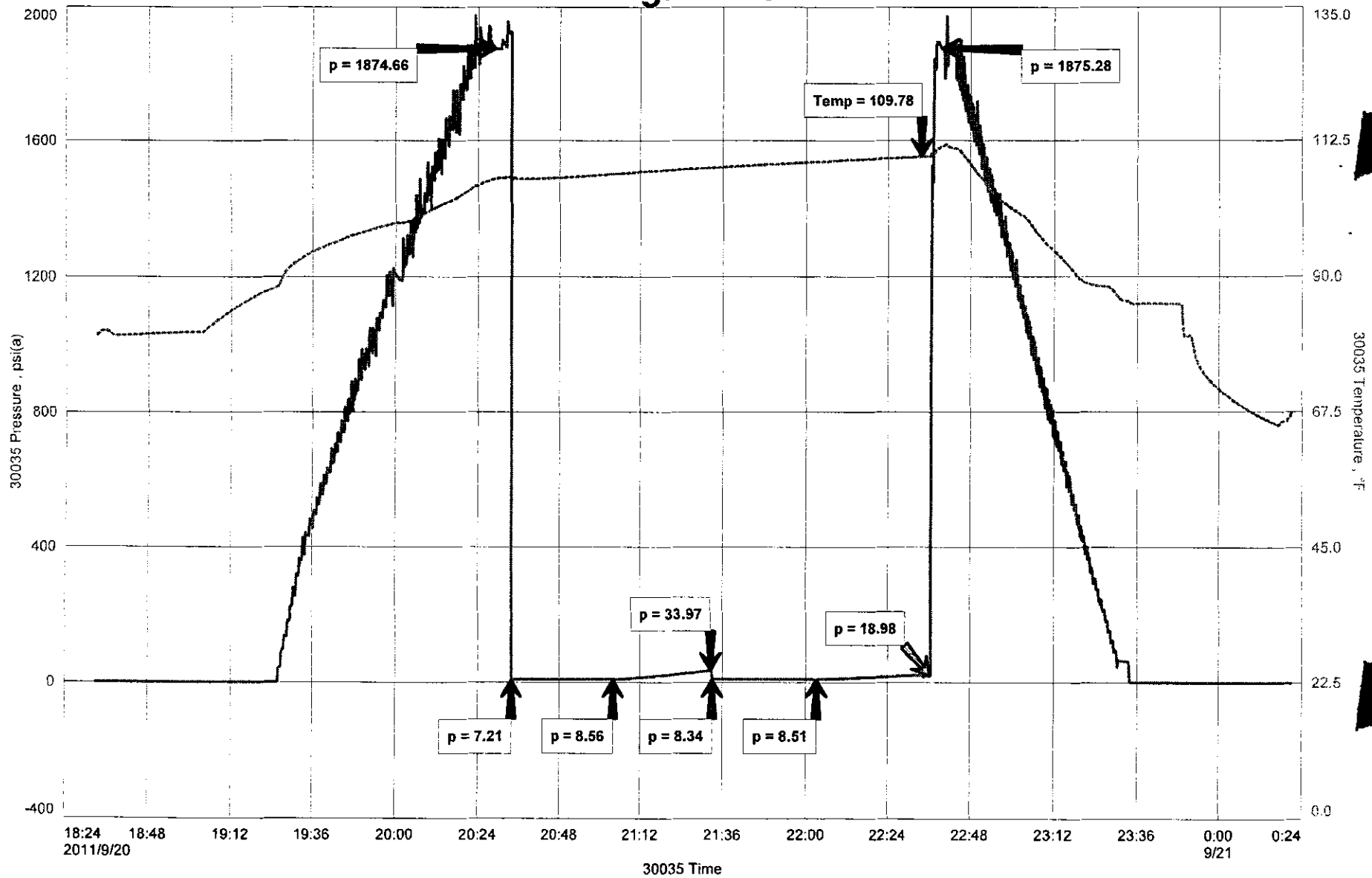
Recovered          ft. of         

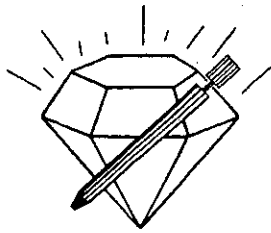
Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 8:33 <sup>XXM.</sup> P.M. Time Started Off Bottom 10:33 <sup>XXM.</sup> P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure ..... (A) 1875 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 9 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 34 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 8 P.S.I. to (F) 9 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 19 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1875 P.S.I.

# Angie #1-5





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30035.D0029

Company Reilly Oil Company, Inc. Lease & Well No. Angie No. 1-5  
Elevation 2378 KB Formation Lansing/Kansas City "H" Effective Pay -- Ft. Ticket No. S0029  
Date 9-20-11 Sec. 5 Twp. 11S Range 24W County Trego State Kansas  
Test Approved By Richard B. Bell Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3,846 ft. to 3,877 ft. Total Depth 3,877 ft.  
Packer Depth 3,841 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 3,846 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,834 ft. Recorder Number 30035 Cap. 10,000 psi  
Bottom Recorder Depth (Outside) 3,874 ft. Recorder Number 3851 Cap. 5,700 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor WW Drilling, LLC - Rig 6 Drill Collar Length 126 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 56 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.0 Water Loss 6.4 cc. Drill Pipe Length 3,694 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 31 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

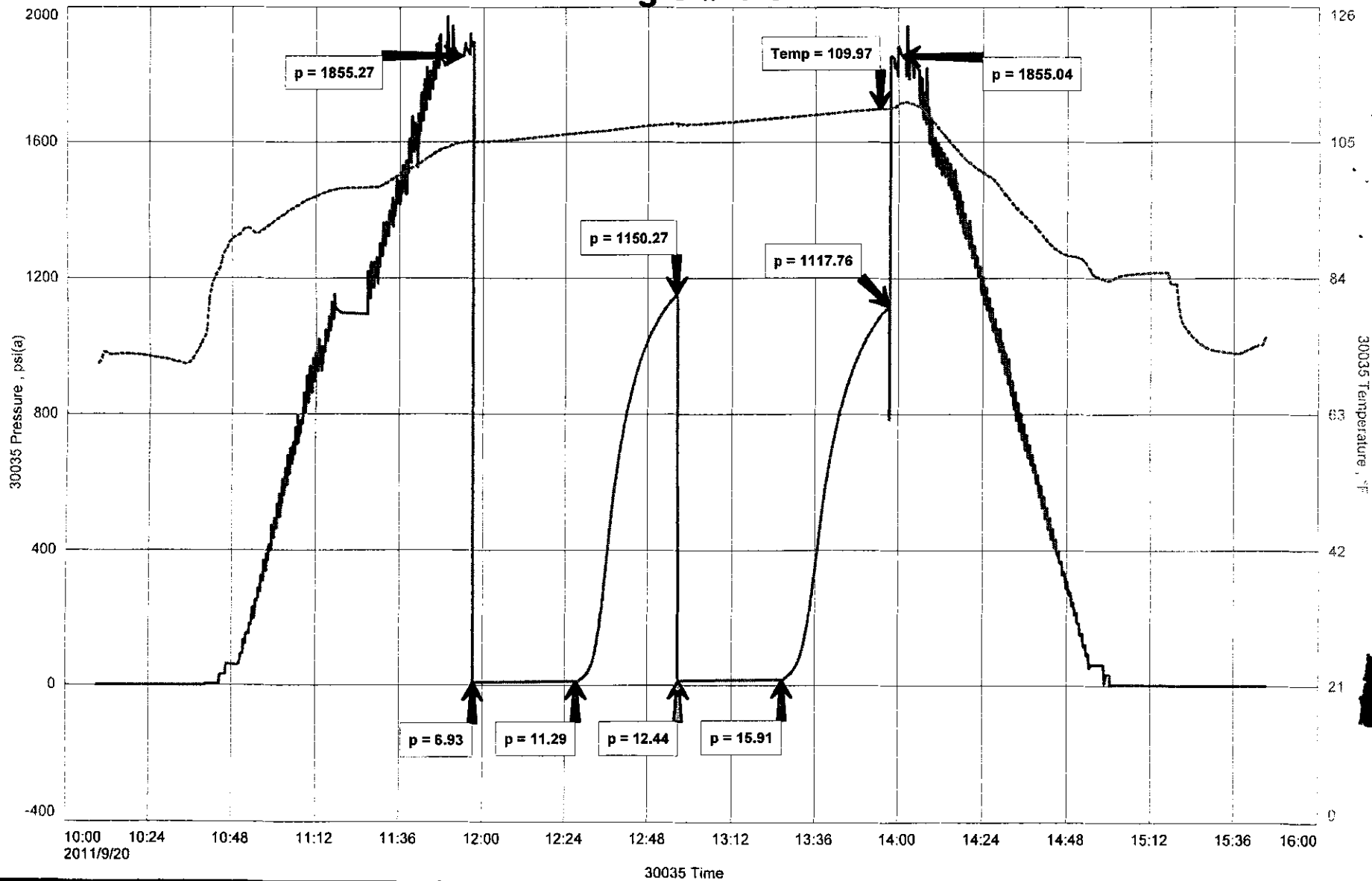
Blow: 1st Open: Weak, surface blow; building to 1/2 in. in 30 mins. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

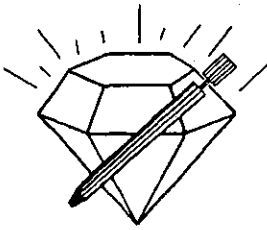
Recovered 3 ft. of oil specked mud = .014760 bbls. (Grind out: 100%-drilling mud)  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of         

Remarks Tool Sample Grind Out: 100%-drilling mud

Time Set Packer(s) 6:57 ~~PM~~ <sup>A.M.</sup> Time Started Off Bottom 8:57 ~~PM~~ <sup>A.M.</sup> Maximum Temperature 110°  
Initial Hydrostatic Pressure ..... (A) 1855 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 11 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 1150 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 12 P.S.I. to (F) 16 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 1118 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1855 P.S.I.

# Angie # 1-5





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30035.D0028

Company Reilly Oil Company, Inc. Lease & Well No. Angie No. 1-5  
Elevation 2378 KB Formation Lansing/Kansas City "E" & "F" Effective Pay -- Ft. Ticket No. S0028  
Date 9-19-11 Sec. 5 Twp. 11S Range 24W County Trego State Kansas  
Test Approved By Richard B. Bell Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3,794 ft. to 3,822 ft. Total Depth 3,822 ft.  
Packer Depth 3,789 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 3,794 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,782 ft. Recorder Number 30035 Cap. 10,000 psi  
Bottom Recorder Depth (Outside) 3,819 ft. Recorder Number 3851 Cap. 5,700 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor WW Drilling, LLC - Rig 6 Drill Collar Length 126 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 56 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.0 Water Loss 6.4 cc. Drill Pipe Length 3,642 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 28 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

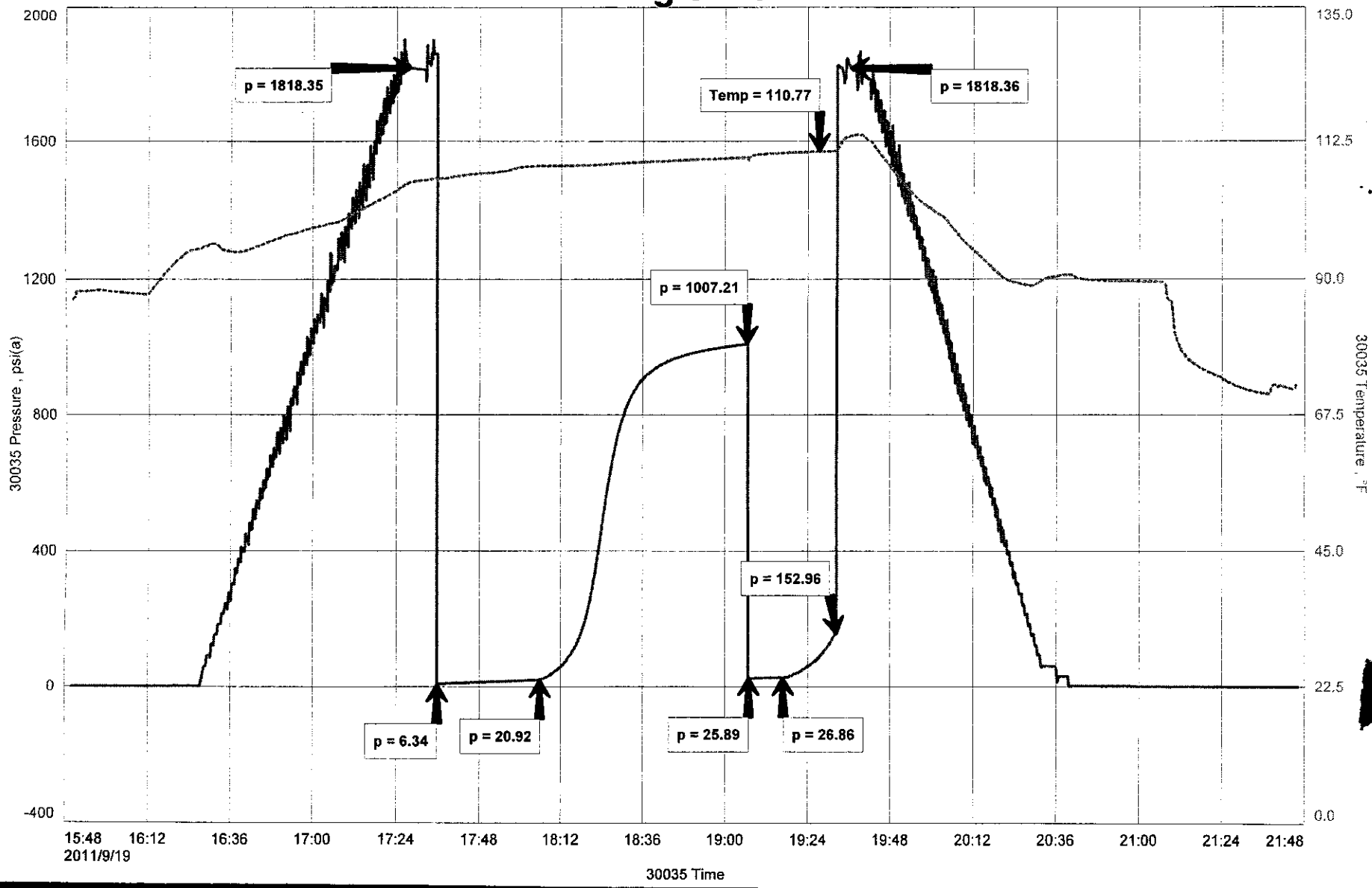
Blow: 1st Open: Weak, surface blow; building to 1 in. in 30 mins. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

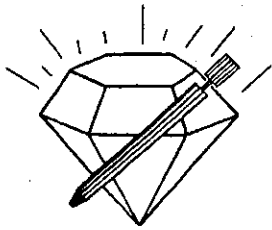
Recovered 52 ft. of gas in pipe  
Recovered 10 ft. of oily mud = .049200 bbls. (Grind out: 28%-oil; 72%-mud)  
Recovered 10 ft. of TOTAL FLUID = .049200 bbls.  
Recovered          ft. of  
Recovered          ft. of

Remarks Tool Sample Grind Out: 40%-oil; 60%-mud.

Time Set Packer(s) 6:35 <sup>AM</sup> P.M. Time Started Off Bottom 8:30 <sup>AM</sup> P.M. Maximum Temperature 111°  
Initial Hydrostatic Pressure ..... (A) 1818 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 21 P.S.I.  
Initial Closed In Period ..... Minutes 60 (D) 1007 P.S.I.  
Final Flow Period ..... Minutes 10 (E) 26 P.S.I. to (F) 27 P.S.I.  
Final Closed In Period ..... Minutes 15 (G) 153 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1818 P.S.I.

# Angie 1-5





# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D0027

Company Reilly Oil Company, Inc. Lease & Well No. Angie No. 1-5  
 Elevation 2378 KB Formation Lansing/Kansas City "C" Effective Pay -- Ft. Ticket No. S0027  
 Date 9-19-11 Sec. 5 Twp. 11S Range 24W County Trego State Kansas  
 Test Approved By Richard B. Bell Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3,748 ft. to 3,767 ft. Total Depth 3,767 ft.  
 Packer Depth 3,743 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 3,748 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.  
 Top Recorder Depth (Inside)          3,736 ft. Recorder Number 30035 Cap. 10,000 psi  
 Bottom Recorder Depth (Outside)          3,764 ft. Recorder Number 3851 Cap. 5,700 psi  
 Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor WW Drilling, LLC - Rig 6 Drill Collar Length 126 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.0 Water Loss 7.2 cc. Drill Pipe Length 3,596 ft. I.D. 3 1/2 in.  
 Chlorides 3,100 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 19 ft. Size 4 1/2 - FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: 1/2 in. blow, building. Off bottom of bucket in 6 1/2 mins. Fair, 6 1/2 in., blow back during shut-in.  
 2nd Open: 1 in. blow, building. Off bottom of bucket in 12 1/2 mins. Fair, 5 in., blow back during shut-in.

Recovered 568 ft. of clean oil = 7.486800 bbls. (Grind out: 100%-oil) Gravity: 28.5 @ 60°  
 Recovered 62 ft. of muddy oil = .305040 bbls. (Grind out: 30%-mud; 70%-oil)  
 Recovered 630 ft. of TOTAL FLUID = 7.791840 bbls.  
 Recovered          ft. of           
 Recovered          ft. of         

Remarks Tool Sample Grind Out: 100%-clean oil

Time Set Packer(s) 3:44 ~~PM~~ <sup>A.M.</sup> Time Started Off Bottom 6:44 ~~PM~~ <sup>A.M.</sup> Maximum Temperature 122 °  
 Initial Hydrostatic Pressure ..... (A) 1796 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 12 P.S.I. to (C) 98 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 1149 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 112 P.S.I. to (F) 168 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1124 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1795 P.S.I.

# Angie #1-5

