



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1294851
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: _____

1294851

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
OIL & GAS SERVICES, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

4685
field #ft doc
4578

COPY
TICKET NUMBER 48405
LOCATION 480 Elbeards
FOREMAN Jacob Storm

FIELD TICKET & TREATMENT REPORT
CEMENT

INVOICE # 906251

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-20-15	6942	Jacobson #1	31	17S	6E	Cherokee
CUSTOMER	Range oil		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			2601	Chris		
PO BOX 781775			667	Jeremy		
CITY	STATE	ZIP CODE	574 T103	BOB		
Wichita	KS	67278	702	Jacob		

JOB TYPE Squeeze B HOLE SIZE 7 7/8 HOLE DEPTH 2280 CASING SIZE & WEIGHT 5 1/2 14 lb
 CASING DEPTH 2280 DRILL PIPE TUBING 2 3/8 OTHER _____
 SLURRY WEIGHT 14.5 lb SLURRY VOL 2.112 bbl WATER gal/sk _____ CEMENT LEFT IN CASING _____
 DISPLACEMENT 2.5 DISPLACEMENT PSI 300 MIX PSI 200 RATE 3 bpm

REMARKS: Safety meeting. Run tubing to 2107 load Backside to 500psi
Shut in pump to find Rate found at 3 bpm 200 psi, mix 50 sts
Class A and take in with 50 sts class A 2 1/2" casing wash pump and line
displaced with 8 1/2 bbl stage for 1 hr pump 14 bbl at 250 psi stage
for 1 hr pressure to 500 lbs held for 5 min bleed off, pull packer

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CE0002	40	MILEAGE	7.15	286.00
CE0711	1	Min bulk delivery	660.00	660.00
CE5800A	100	Class A	20.00	2000.00
CE5325	150	Calcium chloride	1.00	150.00
WS2400	6	transport	120.00	720.00
CE1163	1	Squeeze manifold	400.00	400.00
		Subtotal		6116.00
		Discount		2140.00
CE1170	1	5 1/2 packer	1050.00	1050.00
CE1164	1	2 3/8 Rubber	250.00	250.00
		Total		5025.40

SCANNED

[Signature]

AUTHORIZATION _____ TITLE _____ SALES TAX 17599 ESTIMATED TOTAL # 523294 DATE 11/01/2015

GEOLOGIST'S REPORT

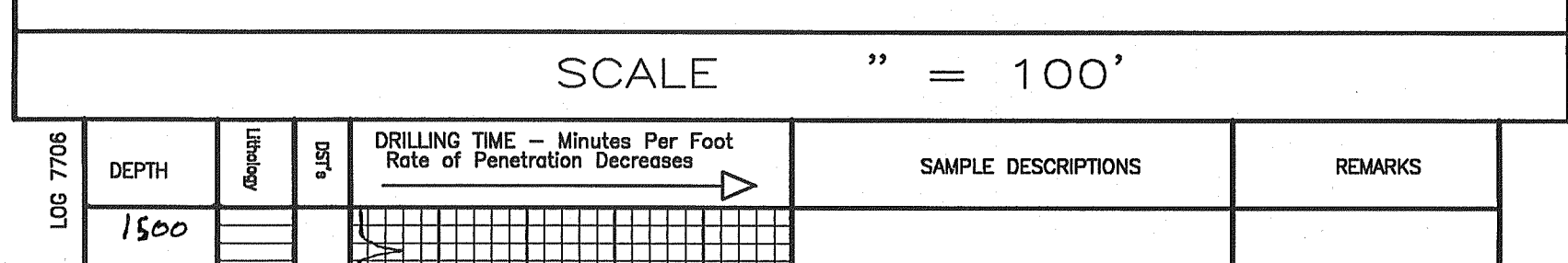
DRILLING TIME AND SAMPLE LOG

COMPANY: Range Oil Co., Inc.	ELEVATIONS: KB 1458'
LEASE: Jacobson #1	DF: 1452'
FIELD: 280' FUL + 1570' FUL	GL: 1452'
LOCATION: 280' FUL + 1570' FUL	MEASUREMENTS ARE ALL FROM KB
SEC: 31 TWP: 19 S RCE: 6 E	CONTRACTOR: C & G Drilling Co. Rig #1
COUNTY: Class State: KS	PRODUCTION: 2306' @ 2306'
SPUD: 6-8-15 COMP: LTD 2310	ELECTRICAL SURVEYS: AS, D, M, L
RWD UP: 1570' TYPE MUD: CHEM	
SAMPLES SAVED FROM: 1570 TO RTD	
DRILLING TIME KEPT FROM: 1500 TO RTD	
SAMPLES EXAMINED FROM: 1570 TO RTD	
GEOLOGICAL SUPERVISION FROM: 1600 TO RTD	
GEOLOGIST ON WELL: Ken Wallace	

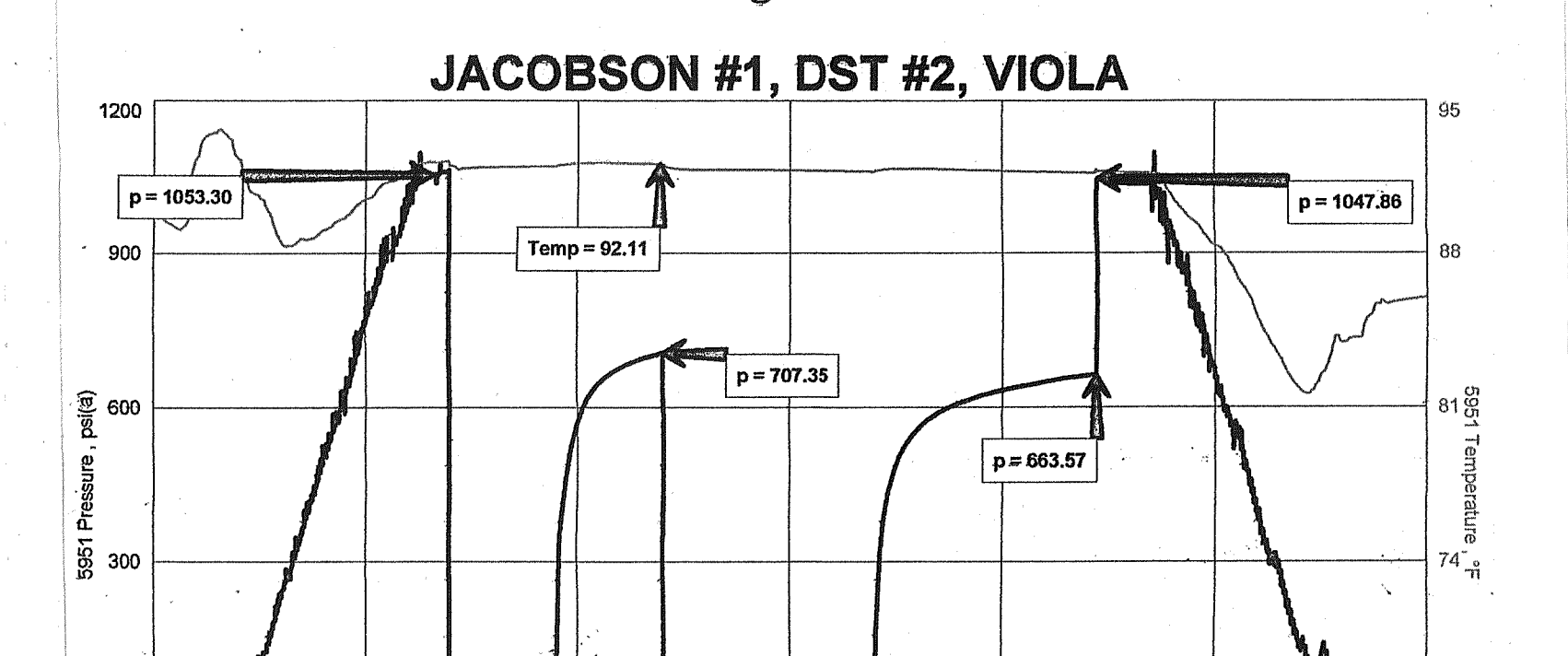
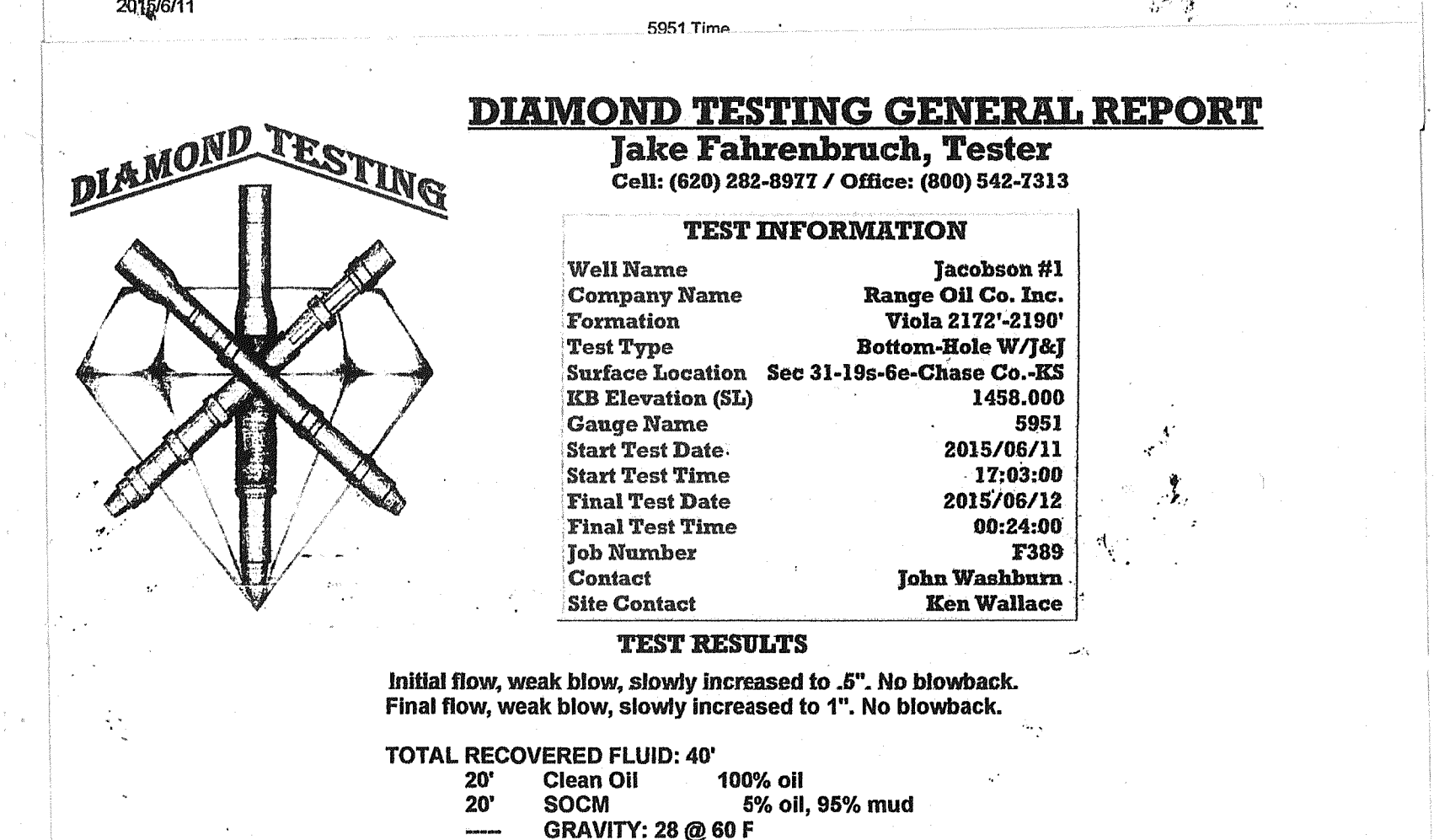
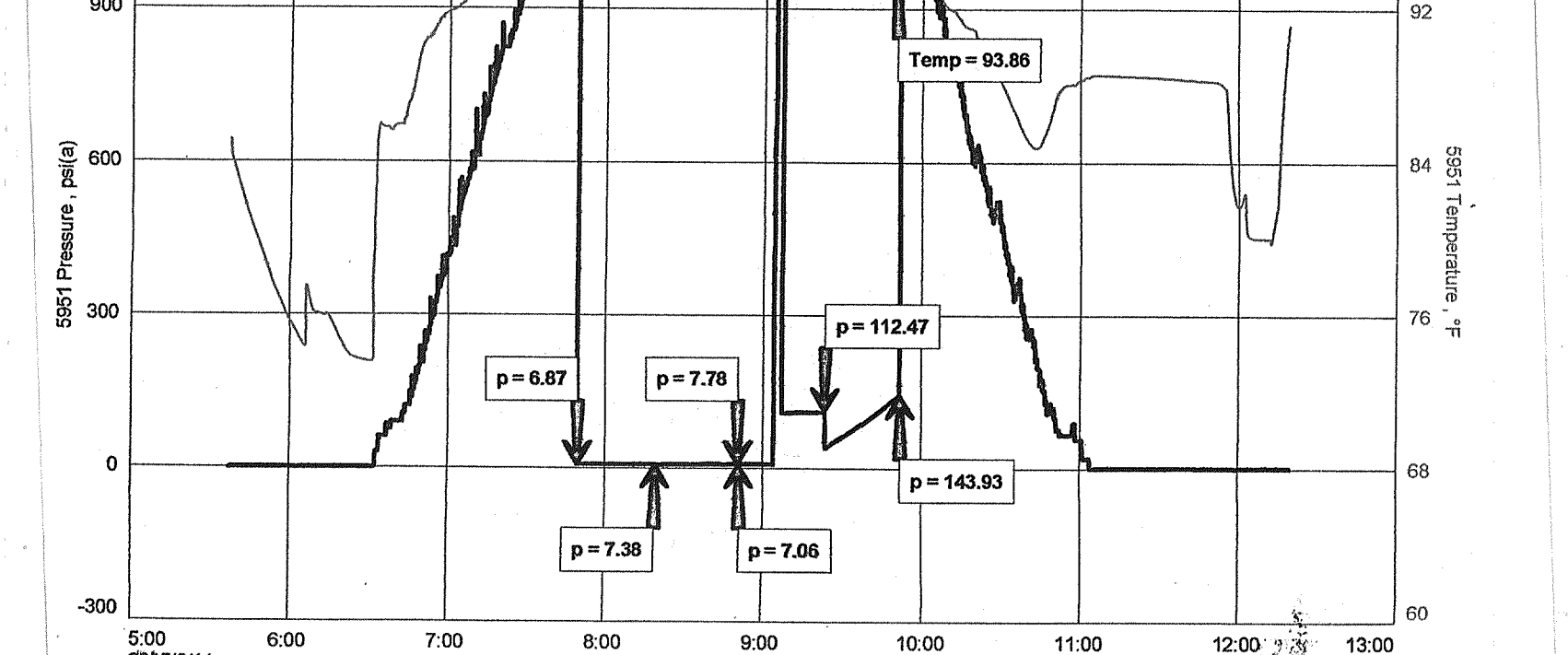
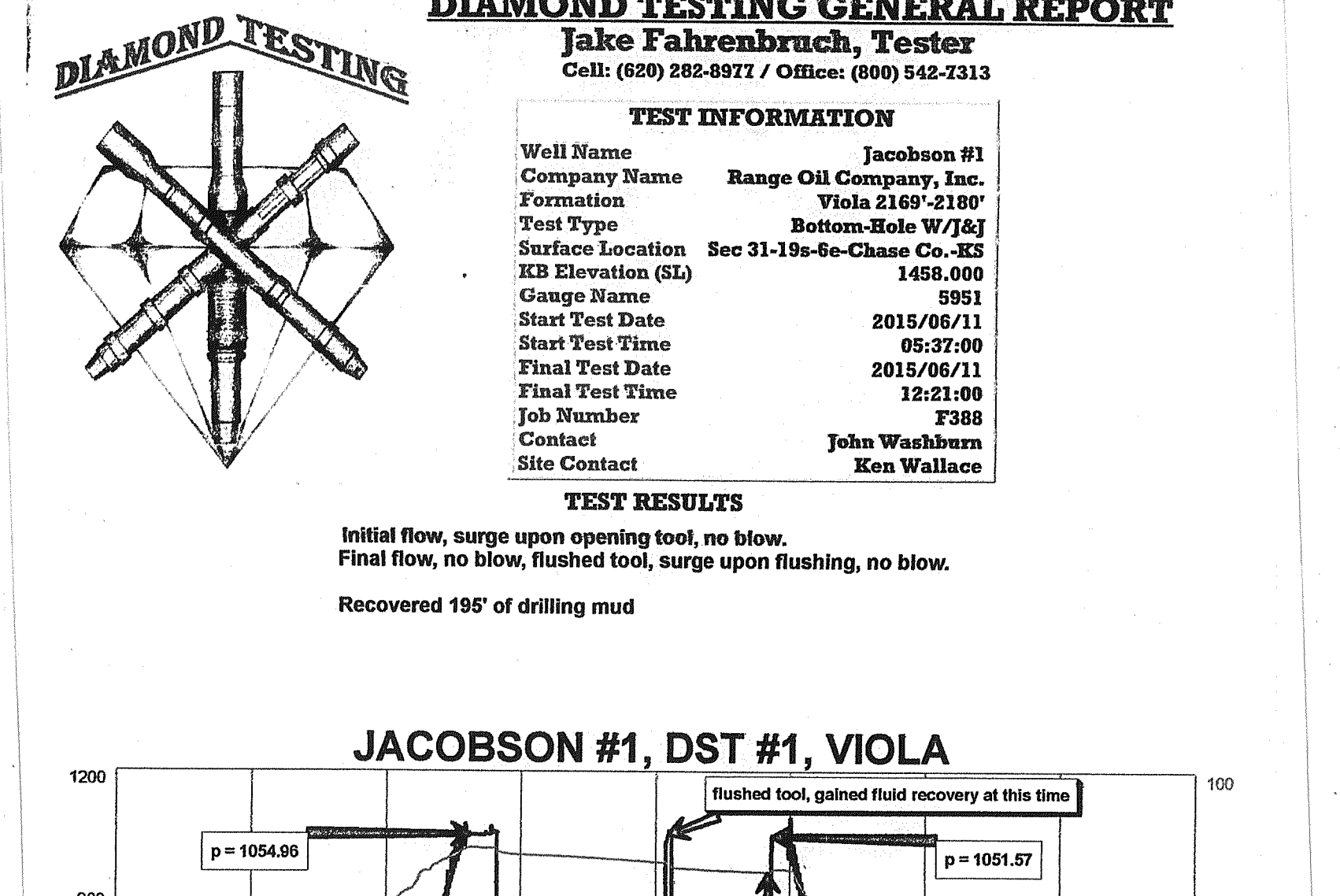
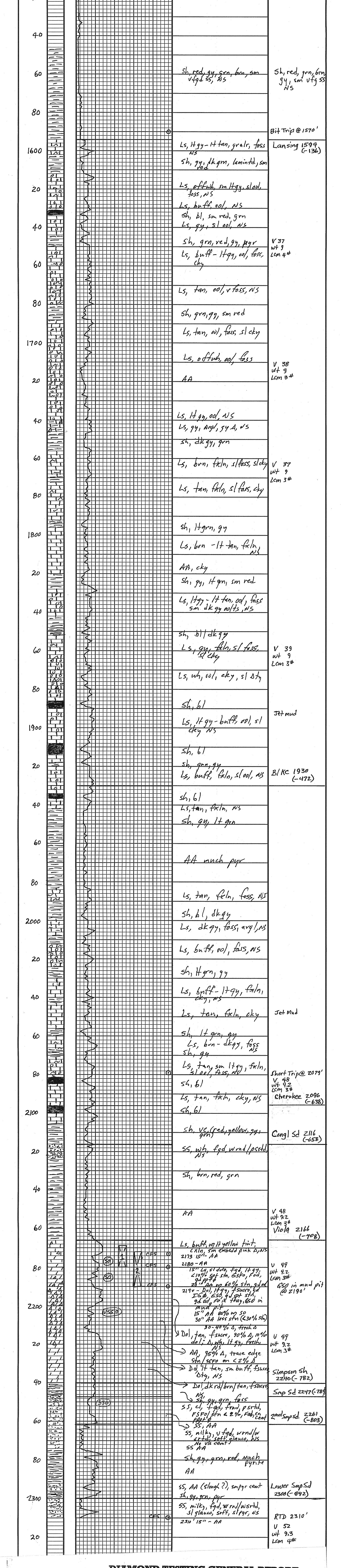
FORMATION TOPS	LOG	SAMPLES
Lansing	1594 (-136)	
B/KC	1930 (-472)	
Cherokee	2096 (-638)	
Conq. Sd	2116 (-658)	
Viola	2166 (-708)	
Smp Sd	2240 (-782)	
ML Smp Sd	2261 (-803)	
ML Smp Sd	2300 (-842)	
ML Smp Sd	2306 (-848)	
RTD	2310 (-853)	

REMARKS: Production casing set to further evaluate Viola.

6/2/15 MTR
 6/8/15 10 am - Spud
 6/9/15 8 am - Drig @ 971'; Set 2.10' surface casing
 1/4" @ 559' A
 6/10/15 9 am - Drig @ 1899' 1/4" @ 1055' + 1570'
 6/11/15 8:30 am - RTD 2180', Running DST #1 2169'-2180'; 1/2" @ 2048'
 6/12/15 8 am - Drig @ 2157', Ran DST #2 2172'-2190'
 Set 5.5" casing @ 2306'; PD @ 8:29 pm



SCALE " = 100'



For KCC Use ONLY

API # 15 - _____

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator: Range Oil Company, Inc.
 Lease: Jacobson
 Well Number: 1
 Field: Panther Ranch SW
 Number of Acres attributable to well: _____
 QTR/QTR/QTR/QTR of acreage: NW - NW - NE - SW

Location of Well: County: Chase
 2870 feet from N / S Line of Section
 1585 feet from E / W Line of Section
 Sec. 31 Twp. 19 S. R. 6 E W

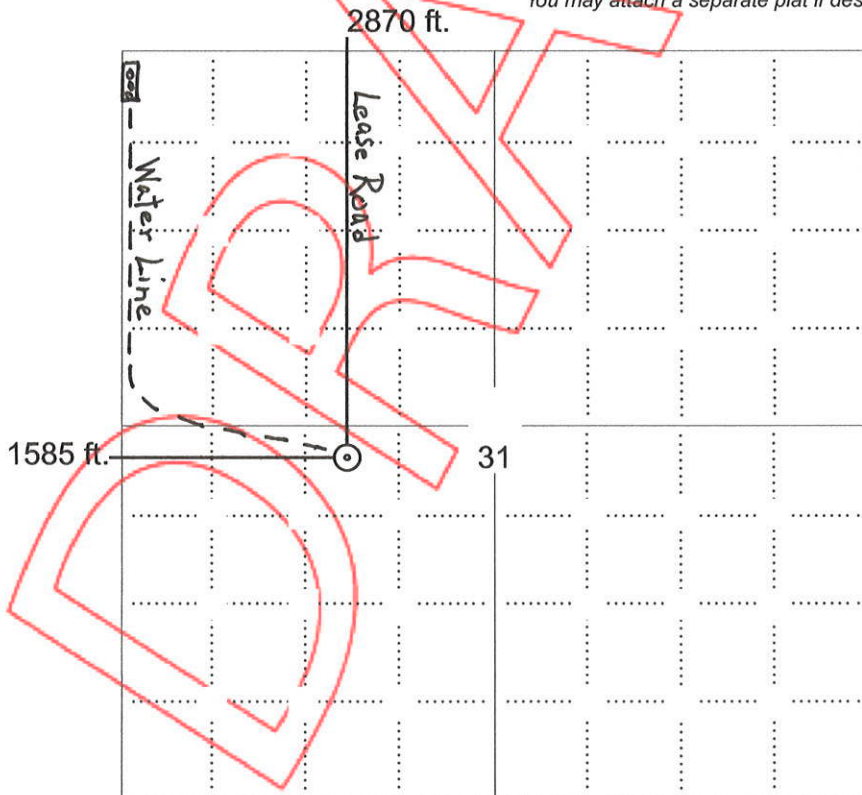
Is Section: Regular or Irregular

If Section is Irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

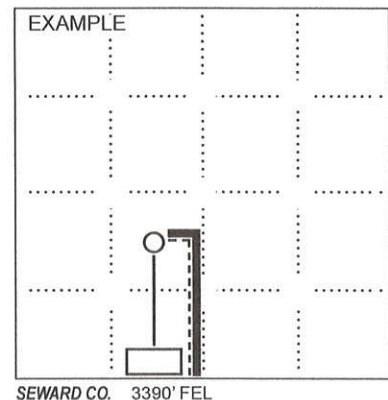
PLAT

Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.



LEGEND

- Well Location
- Tank Battery Location
- Pipeline Location
- Electric Line Location
- Lease Road Location



NOTE: In all cases locate the spot of the proposed drilling location.

In plotting the proposed location of the well, you must show:

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease or unit boundary line (in footage).
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).
5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



OPY

Cement or Acid Field Report
 Ticket No. **2280**
 Foreman Rick Leaford
 Camp Eureka KS

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-12-15	1034	Jacobson #1	31	19S	6E	Chase	KS
Customer	Mailing Address	City	State	Zip Code	Safety Meeting	Unit #	Driver
Range Oil Company Inc.	P.O. Box 781775	Wichita	Ks	67278	PL SE VW CA	105	Sharon F.
						112	Kevin M.
						141	Chris B.

Job Type <u>L/S</u>	Hole Depth <u>2310'</u>	Slurry Vol. <u>60 Bbl</u>	Tubing _____
Casing Depth <u>2308</u>	Hole Size <u>7 7/8"</u>	Slurry Wt. <u>13.7#</u>	Drill Pipe _____
Casing Size & Wt. <u>5 1/2" 14#</u>	Cement Left in Casing <u>8.4# SS</u>	Water Gal/SK <u>9.0</u>	Other _____
Displacement <u>57 1/4 Bbls</u>	Displacement PSI <u>650</u>	Bump Plug to <u>1150</u>	BPM _____

Remarks: Safety meeting - Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl fresh water. Pump 2 sks metasilicate pre-flush - 10 Bbl water spacer. Mixed 185 sks thickset cement w/ 5# Kal-seal /sk @ 13.7# /gal yield 1.85 washout pump + lines, release 5 1/2" latch down plug. Displace w/ 57 1/4 Bbls water. Final pump pressure 650 PSI. Bump plug to 1150 PSI. Release pressure, float + plug hold. Good circulation @ all times while cementing. Job complete. Rig down.

Plugged wellhole w/ 15 sks cement centralizers on jets 1, 3, 5, 7

Thank you

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1050.00	1050.00
C107	50	Mileage	3.95	197.50
C201	185 sks	thickset cement	19.50	3607.50
C207	925 #	5# Kal-seal /sk	.45	416.25
C216	100 #	metasilicate pre-flush	2.00	200.00
C108B	10.17	tan mileage bulk truck	1.35	686.48
C113	6 hrs	80 Bbl UAC. tax	85.00	510.00
C224	3300 gal	city water	10.00 / 1000	33.00
C421	1	5 1/2" latch down plug	230.00	230.00
C504	4	5 1/2" x 7 7/8" centralizers	48.00	192.00
C703	1	5 1/2" API flopper valve insert	145.00	145.00
			Subtotal	7267.73
			7.15% Sales Tax	344.90
Authorization <u>Doug Reed</u>	Title _____		Total	7612.63

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **2315**
 Foreman Steve Mead
 Camp Eureka KS

15-017-20922

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-8-15	1034	Jacobson #1	31	19S	6E	Chase	KS
Customer			Unit #	Driver		Unit #	Driver
Range Oil Company Inc			104	Alan M			
Mailing Address			110	Ehress B			
Po. Box 781725							
City	State	Zip Code					
Wichita	Ks	67275					

Job Type <u>Surface</u>	Hole Depth <u>213</u>	Slurry Vol. _____	Tubing _____
Casing Depth <u>202.61</u>	Hole Size <u>12 1/4</u>	Slurry Wt. _____	Drill Pipe _____
Casing Size & Wt. <u>8 3/8</u>	Cement Left in Casing <u>30</u>	Water Gal/SK _____	Other _____
Displacement <u>12 1/4</u>	Displacement PSI _____	Bump Plug to _____	BPM _____

Remarks: Safety Meeting: Rig up to 8 3/8 casing Break circulation w/ Fresh water. Mix 140 SKS class A cement w/ 3% Cacl₂ 1/2" Flo-seal perisk Displace w/ 12 1/4 bbl fresh water. Shut well in. Good cement Returns to surface 7 bbl to pit. Job complete Rig down.

Thank you

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	840.00	840.00
C107	50	Mileage	3.95	197.50
C200	140 SKS	Class A Cement	15.00	2100.00
C205	395 #	3% Cacl ₂	.60	237.00
C209	35 #	1/2" # Flo Seal	2.25	78.75
C108A	6.58 hr	Ten mileage Bulkr Truck	m/c	345.00
C600	1	8 3/8 basket	308.00	308.00
C506	2	8 3/8 Centralizer	65.00	130.00
			Sub Total	41236.25
			Sales Tax 7.15%	294.04
Authorization <u>Collan</u>	Title _____	Total		<u>4440.29</u>

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

8 0 0 0 7 0 3
Tx: 4000429
1/12/2014 10:50:00 AM

201400079

KATHY J. SWIFT
REGISTER OF DEEDS
CHASE COUNTY, KANSAS
RECORDED ON
02/12/2014 11:02 AM
BOOK: L-180 PAGE: 279-281
REC FEE: 16.00
PAGES: 3



Form 88 --(ROCI Special)(PAID-UP)
KS, OK, CO
2006

316-655-9375

OIL AND GAS LEASE

AGREEMENT, Made and entered into the 23rd day of December, 20 13
by and between Wanda J. Lewis, Trustee of both the Ophelia K. Jacobson Revocable Trust and the Donald E. Jacobson Revocable Trust, both dated March 15, 2012

whose mailing address is 715 Glendevon Way, Andover, KS 67002 hereinafter called Lessor (whether one or more),
and Range Oil Company, Inc. hereinafter called Lessee:

Lessor, in consideration of one and other considerations Dollars (\$ 1.00) in hand paid, receipt of which is here acknowledged and of the royalties herein provided and of the agreements of the lessee herein contained, hereby grants, leases and lets exclusively unto lessee for the purpose of investigating, exploring by geophysical and other means, prospecting drilling, mining and operating for and producing oil, liquid hydrocarbons, all gases, and their respective constituent products, injecting gas, water, other fluids, and air into subsurface strata, laying pipe lines, storing oil, building tanks, power stations, telephone lines, and other structures and things thereon to produce, save, take care of, treat, manufacture, process, store and transport said oil, liquid hydrocarbons, gases and their respective constituent products and other products manufactured therefrom, and housing and otherwise caring for its employees, the following described land, together with any reversionary rights and after-acquired interest, therein situated in County of Chase State of Kansas described as follows to-wit:

SEE ATTACHED EXHIBIT "A"

127.6 acres in N/2
31-19S-6E

In Section XXX Township XXX Range XXX and containing 127.60 acres, more or less, and all accretions thereto.

Subject to the provisions herein contained, this lease shall remain in force for a term of three (3) years from this date (called "primary term"), and as long thereafter as oil, liquid hydrocarbons, gas or other respective constituent products, or any of them, is produced from said land or land with which said land is pooled.

In consideration of the premises the said lessee covenants and agrees:
1st. To deliver to the credit of lessor, free of cost, in the pipe line to which lessee may connect wells on said land, the equal one-eighth (1/8) part of all oil produced and saved from the leased premises.

2nd. To pay lessor for gas of whatsoever nature or kind produced and sold, or used off the premises, or used in the manufacture of any products therefrom, one-eighth (1/8) at the market price at the well, (but, as to gas sold by lessee, in no event more than one-eighth (1/8) of the proceeds received by lessee from such sales), for the gas sold, used off the premises, or in the manufacture of products therefrom, said payments to be made monthly. Where gas from a well producing gas only is not sold or used, lessee may pay or tender as royalty One Dollar (\$1.00) per year per net mineral acre retained hereunder, and if such payment or tender is made it will be considered that gas is being produced within the meaning of the preceding paragraph.

This lease may be maintained during the primary term hereof without further payment or drilling operations. If the lessee shall commence to drill a well within the term of this lease or any extension thereof, the lessee shall have the right to drill such well to completion with reasonable diligence and dispatch, and if oil or gas, or either of them, be found in paying quantities, this lease shall continue and be in force with like effect as if such well had been completed within the term of years first mentioned.

If said lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties herein provided for shall be paid the said lessor only in the proportion which lessor's interest bears to the whole and undivided fee.

Lessee shall have the right to use, free of cost, gas, oil and water produced on said land for lessee's operation thereon, except water from the wells of lessor. When requested by lessor, lessee shall bury lessee's pipe lines below plow depth.

No well shall be drilled nearer than 200 feet to the house or barn now on said premises without written consent of lessor. Lessee shall pay for damages caused by lessee's operations to growing crops on said land.

Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.

If the estate of either party hereto is assigned, and the privilege of assigning in whole or in part is expressly allowed, the covenants hereof shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land or assignment of rentals or royalties shall be binding on the lessee until after the lessee has been furnished with a written transfer or assignment or a true copy thereof. In case lessee assigns this lease, in whole or in part, lessee shall be relieved of all obligations with respect to the assigned portion or portions arising subsequent to the date of assignment.

If the leased premises are now or shall hereafter be owned in severally or in separate tracts, the premises may nonetheless be developed and operated as one lease, and all royalties accruing hereunder shall be divided among and paid to such separate owners in the proportion that the acreage owned by each separate owner bears to the entire leased acreage. There shall be no obligation on the part of the lessee to offset wells on separate tracts into which the land covered by this lease may now or hereafter be divided by sale, devise, descent or otherwise, or to furnish separate measuring or receiving tanks.

Lessee may at any time execute and deliver to lessor or place of record a release or releases covering any portion or portions of the above described premises and thereby surrender this lease as to such portion or portions and be relieved of all obligations as to the acreage surrendered.

All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated, in whole or in part, nor lessee held liable in damages, for failure to comply therewith, if compliance is prevented by, or if such failure is the result of, any such Law, Order, Rule or Regulation.

Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the lessee shall have the right at any time to redeem for lessor, by payment any mortgages, taxes or other liens on the above described lands, in the event of default of payment by lessor, and be subrogated to the rights of the holder thereof, and the undersigned lessors, for themselves and their heirs, successors and assigns, hereby surrender and release all right of dower and homestead in the premises described herein, in so far as said right of dower and homestead may in any way affect the purposes for which this lease is made, as recited herein.

Lessee, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, lease or leases in the immediate vicinity thereof, when in lessee's judgment it is necessary or advisable to do so in order to properly develop and operate said lease premises so as to promote the conservation of oil, gas or other minerals in and under and that may be produced from said premises, such pooling to be of tracts contiguous to one another and to be into a unit or units not exceeding 40 acres each in the event of an oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lessee shall execute in writing and record in the conveyance records of the county in which the land herein leased is situated an instrument identifying and describing the pooled acreage. The entire acreage so pooled into a tract or unit shall be treated, for all purposes except the payment of royalties on production from the pooled unit, as if it were included in this lease. If production is found on the pooled acreage, it shall be treated as if production is had from this lease, whether the well or wells be located on the premises covered by this lease or not. In lieu of the royalties elsewhere herein specified, lessor shall receive on production from a unit so pooled only such portion of the royalty stipulated herein as the amount of his acreage placed in the unit or his royalty interest therein on an acreage basis bears to the total acreage so pooled in the particular unit involved.

Lessee further agrees in the event of drilling operations to return the surface of the land to its original contour as nearly as is practicable.

LESSEE AGREES NO WELLS SHALL BE DRILLED ON THE PREMISES WITHOUT LESSORS WRITTEN PERMISSION. JTG

IN WITNESS WHEREOF, the undersigned execute this instrument as of the day and year first above written.
Witnesses:
Ophelia K. Jacobson Revocable Trust and the Donald E. Jacobson Revocable Trust, both dated March 15, 2013
BY: Wanda J. Lewis
Wanda J. Lewis, Trustee

KATHY J. SWIFT
REGISTER OF DEEDS
CHASE COUNTY, KANSAS
RECORDED ON
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Form 88 —(ROCI Special)(PAID-UP)

KS, OK, CO
2006

OIL AND GAS LEASE

AGREEMENT, Made and entered into the 1st day of April, 2014
by and between Wanda J. Lewis, Trustee of both the Ophelia K. Jacobson Revocable Trust and the Donald E. Jacobson Revocable Trust, both dated March 15, 2012

whose mailing address is 715 Glendevon Way, Andover, KS 67002 hereinafter called Lessor (whether one or more),
and Range Oil Company, Inc.

hereinafter called Lessee:
Lessor, in consideration of one and other considerations Dollars (\$ 1.00) in hand paid, receipt of which is here acknowledged and of the royalties herein provided and of the agreements of the lessee herein contained, hereby grants, leases and lets exclusively unto lessee for the purpose of investigating, exploring by geophysical and other means, prospecting drilling, mining and operating for and producing oil, liquid hydrocarbons, all gases, and their respective constituent products, including gas, water, other fluids, and air into subsurface strata, laying pipe lines, storing oil, building tanks, power stations, telephone lines, and other structures and things thereon to produce, save, take care of, treat, manufacture, process, store and transport said oil, liquid hydrocarbons, gases and their respective constituent products and other products manufactured therefrom, and housing and otherwise caring for its employees, the following described land, together with any reversionary rights and after-acquired interest, therein situated in County of Chase State of Kansas described as follows to-wit:

The South Half (S/2)

In Section 31 Township 19S Range 6E and containing 320.00 acres, more or less, and all accretions thereto.

Subject to the provisions herein contained, this lease shall remain in force for a term of three (3) years from this date (called "primary term"), and as long thereafter as oil, liquid hydrocarbons, gas or other respective constituent products, or any of them, is produced from said land or land with which said land is pooled.

In consideration of the premises the said lessee covenants and agrees:

1st. To deliver to the credit of lessor, free of cost, in the pipe line to which lessee may connect wells on said land, the equal one-eighth (1/8) part of all oil produced and saved from the leased premises.

2nd. To pay lessor for gas of whatsoever nature or kind produced and sold, or used off the premises, or used in the manufacture of any products therefrom, one-eighth (1/8), at the market price at the well, (but, as to gas sold by lessee, in no event more than one-eighth (1/8) of the proceeds received by lessee from such sales), for the gas sold, used off the premises, or in the manufacture of products therefrom, said payments to be made monthly. Where gas from a well producing gas only is not sold or used, lessee may pay or tender as royalty One Dollar (\$1.00) per year per net mineral acre retained hereunder, and if such payment or tender is made it will be considered that gas is being produced within the meaning of the preceding paragraph.

This lease may be maintained during the primary term hereof without further payment or drilling operations. If the lessee shall commence to drill a well within the term of this lease or any extension thereof, the lessee shall have the right to drill such well to completion with reasonable diligence and dispatch, and if oil or gas, or either of them, be found in paying quantities, this lease shall continue and be in force with like effect as if such well had been completed within the term of years first mentioned.

If said lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties herein provided for shall be paid the said lessor only in the proportion which lessor's interest bears to the whole and undivided fee.

Lessee shall have the right to use, free of cost, gas, oil and water produced on said land for lessee's operation thereon, except water from the wells of lessor.

When requested by lessor, lessee shall bury lessee's pipe lines below plow depth.

No well shall be drilled nearer than 200 feet to the house or barn now on said premises without written consent of lessor.

Lessee shall pay for damages caused by lessee's operations to growing crops on said land.

Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.

If the estate of either party hereto is assigned, and the privilege of assigning in whole or in part is expressly allowed, the covenants hereof shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land or assignment of rentals or royalties shall be binding on the lessee until after the lessee has been furnished with a written transfer or assignment or a true copy thereof. In case lessee assigns this lease, in whole or in part, lessee shall be relieved of all obligations with respect to the assigned portion or portions arising subsequent to the date of assignment.

If the leased premises are now or shall hereafter be owned in severally or in separate tracts, the premises may nonetheless be developed and operated as one lease, and all royalties accruing hereunder shall be divided among and paid to such separate owners in the proportion that the acreage owned by each separate owner bears to the entire leased acreage. There shall be no obligation on the part of the lessee to offset wells on separate tracts into which the land covered by this lease may now or hereafter be divided by sale, devise, descent or otherwise, or to furnish separate measuring or receiving tanks.

Lessee may at any time execute and deliver to lessor or place of record a release or releases covering any portion or portions of the above described premises and thereby surrender this lease as to such portion or portions and be relieved of all obligations as to the acreage surrendered.

All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated in whole or in part, nor lessee held liable in damages, for failure to comply therewith, if compliance is prevented by, or if such failure is the result of, any such Law, Order, Rule or Regulation.

Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the lessee shall have the right at any time to redeem for lessor, by payment any mortgages, taxes or other liens on the above described lands, in the event of default of payment by lessor, and be subrogated to the rights of the holder thereof, and the undersigned lessors, for themselves and their heirs, successors and assigns, hereby surrender and release all right of dower and homestead in the premises described herein, in so far as said right of dower and homestead may in any way affect the purposes for which this lease is made, as recited herein.

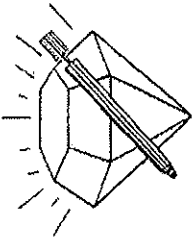
Lessee, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land; lease or leases in the immediate vicinity thereof, when in lessee's judgment it is necessary or advisable to do so in order to properly develop and operate said lease premises so as to promote the conservation of oil, gas or other minerals in and under and that may be produced from said premises, such pooling to be of tracts contiguous to one another and to be into a unit or units not exceeding 40 acres each in the event of an oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lessee shall execute in writing and record in the conveyance records of the county in which the land herein leased is situated an instrument identifying and describing the pooled acreage. The entire acreage so pooled into a tract or unit shall be treated, for all purposes except the payment of royalties on production from the pooled unit, as if it were included in this lease. If production is found on the pooled acreage, it shall be treated as if production is had from this lease, whether the well or wells be located on the premises covered by this lease or not. In lieu of the royalties elsewhere herein specified, lessor shall receive on production from a unit so pooled only such portion of the royalty stipulated herein as the amount of his acreage placed in the unit or his royalty interest therein on an acreage basis bears to the total acreage so pooled in the particular unit involved.

Lessee further agrees in the event of drilling operations to return the surface of the land to its original contour as nearly as is practicable.

Lessee agrees no wells shall be drilled on the premises without Lessors written permission.

IN WITNESS WHEREOF, the undersigned execute this instrument as of the day and date first above written.

Witnesses: _____
_____ Wanda J. Lewis
Wanda J. Lewis, Trustee



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 JACOBSON1DST1

Company Range Oil Company, Inc. Lease & Well No. Jacobson No. 1
 Elevation 1458 KB Formation Viola Effective Pay Ft. Ticket No. F388
 Date 6-11-15 Sec. 31 Twp. 19S Range 6E County Chase State Kansas
 Test Approved By Kenneth C. Wallace Diamond Representative Jake Fahrenbruch

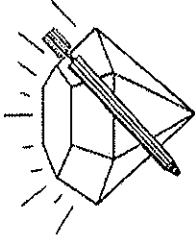
Formation Test No. 1 Interval Tested from 2,169 ft. to 2,180 ft. Total Depth 2,180 ft.
 Packer Depth 2,164 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 2,169 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,147 ft. Recorder Number 5951 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 2,170 ft. Recorder Number 5584 Cap. 5,000 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.
 Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 180 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 47 Weight Pipe Length ft. I.D. in.
 Weight 9.2 Water Loss 11.8 cc. Drill Pipe Length 1,956 ft. I.D. 3 in.
 Chlorides 820 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 5 Anchor Length 11 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-FH in.

Blow: 1st Open: Surged upon opening tool. No blow. No blow back during shut-in.
 2nd Open: No blow. Flushed tool. Surged upon flushing. No blow. No blow back during shut-in.

Recovered 195 ft. of drilling mud = 1.008150 bbls.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks Fluid recovery was gained when we flushed the tool.

Time Set Packer(s) 7:53 A.M. Time Started off Bottom 9:53 A.M. Maximum Temperature 94°
 Initial Hydrostatic Pressure.....(A) 1055 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 7 P.S.I. to (C) 7 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 8 P.S.I.
 Final Flow Period.....Minutes 30 (E) 7 P.S.I. to (F) 112 P.S.I.
 Final Closed In Period.....Minutes 30 (G) 144 P.S.I.
 Final Hydrostatic Pressure.....(H) 1052 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
JACOBSON1DST2

Company Range Oil Company, Inc. Lease & Well No. Jacobson No. 1
Elevation 1458 KB Formation Viola Effective Pay Ft. Ticket No. F389
Date 6-11-15 Sec. 31 Twp. 19S Range 6E County Chase State Kansas
Test Approved By Kenneth C. Wallace Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 2,172 ft. to 2,190 ft. Total Depth 2,190 ft.
Packer Depth 2,167 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2,172 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,150 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,173 ft. Recorder Number 5584 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 180 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 47 Weight Pipe Length ft I.D. in.
Weight 9.2 Water Loss 11.8 cc. Drill Pipe Length 1,959 ft I.D. 3 in.
Chlorides 820 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 18 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-FH in.

Blow: 1st Open: Weak blow slowly increasing to 1/2 in. No blow back during shut-in.
2nd Open: Weak blow slowly increasing to 1 in. No blow back during shut-in.

Recovered 20 ft. of clean oil = .098400 bbls. (Grind out: 100%-oil) Gravity: 28 @ 60°
Recovered 20 ft. of slightly oil cut mud = .098400 bbls. (Grind out: 5%-oil; 95%-mud)
Recovered 40 ft. of TOTAL FLUID = .196800 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks

Time Set Packer(s) 6:55 P.M. Time Started off Bottom 9:55 P.M. Maximum Temperature 92°
Initial Hydrostatic Pressure.....(A) 1053 P.S.I.
Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 707 P.S.I.
Final Flow Period.....Minutes 60 (E) 16 P.S.I. to (F) 26 P.S.I.
Final Closed In Period.....Minutes 60 (G) 664 P.S.I.
Final Hydrostatic Pressure.....(H) 1048 P.S.I.