



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1222124
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: _____

1222124

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
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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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DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
MADUN2DST1

Company Range Oil Company, Inc. Lease & Well No. Madden Unit No. 2
Elevation 1470 KB Formation Viola Effective Pay _____ Ft. Ticket No. F294
Date 8-10-14 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 2,185 ft. to 2,195 ft. Total Depth 2,195 ft.
Packer Depth 2,180 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,185 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,163 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,186 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 53 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.3+ Water Loss 8.0 cc. Drill Pipe Length 1,972 ft I.D. 3 in.
Chlorides 900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 10 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: Surface blow increasing to 1/4 in. Blow died by end of flow. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

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

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

Recovered 5 ft. of TOTAL FLUID = .024600 bbls.

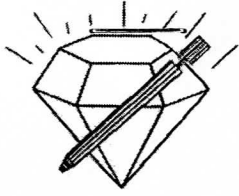
Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

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

Time Set Packer(s) 1:54 P.M. Time Started off Bottom 3:54 P.M. Maximum Temperature 95°
Initial Hydrostatic Pressure.....(A) 1071 P.S.I.
Initial Flow Period.....Minutes 30 (B) 20 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 681 P.S.I.
Final Flow Period.....Minutes 30 (E) 23 P.S.I. to (F) 24 P.S.I.
Final Closed In Period.....Minutes 30 (G) 685 P.S.I.
Final Hydrostatic Pressure.....(H) 1072 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
MADUN2DST2

Company Range Oil Company, Inc. Lease & Well No. Madden Unit No. 2
Elevation 1470 KB Formation Viola Effective Pay _____ Ft. Ticket No. F295
Date 8-11-14 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 2,195 ft. to 2,205 ft. Total Depth 2,205 ft.
Packer Depth 2,190 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,195 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,173 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,196 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 53 Weight Pipe Length _____ ft. I.D. _____ in.
Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 1,982 ft. I.D. 3 in.
Chlorides 900 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 10 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: Surface blow increasing to 2 1/2 ins. No blow back during shut-in.
2nd Open: Surface blow increasing to 3 1/2 ins. No blow back during shut-in.

Recovered 60 ft. of clean oil = .295200 bbls. (Grind out: 100%-oil) Gravity: 29 @ 60°
Recovered 15 ft. of oil cut mud = .073800 bbls. (Grind out: 15%-oil; 85%-mud)
Recovered 75 ft. of TOTAL FLUID = .369000 bbls.

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 65%-oil; 35%-mud

Time Set Packer(s) 12:54 A.M. Time Started off Bottom 3:54 A.M. Maximum Temperature 93°
Initial Hydrostatic Pressure.....(A) 1057 P.S.I.
Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 692 P.S.I.
Final Flow Period.....Minutes 60 (E) 18 P.S.I. to (F) 45 P.S.I.
Final Closed In Period.....Minutes 60 (G) 697 P.S.I.
Final Hydrostatic Pressure.....(H) 1057 P.S.I.

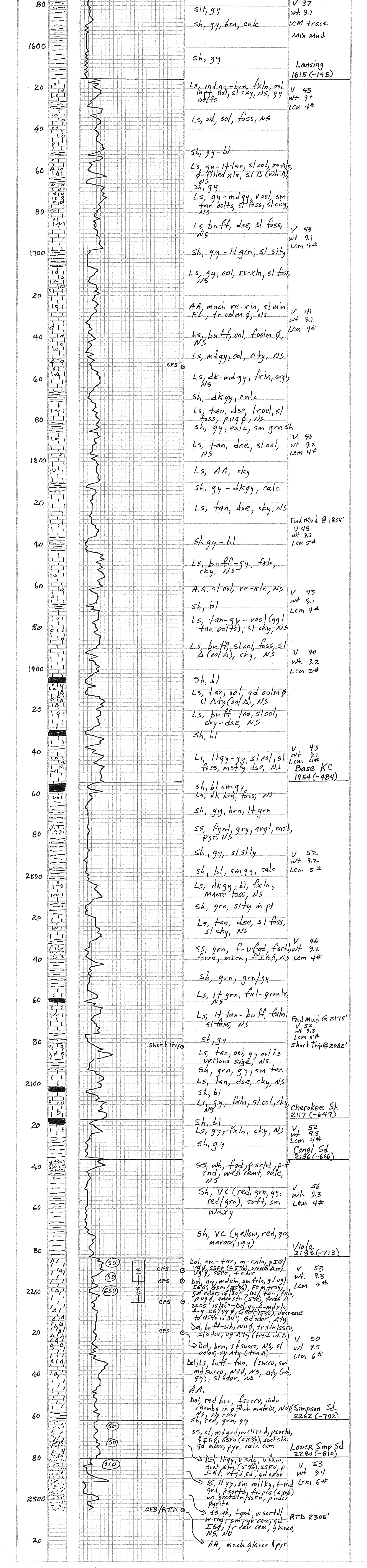
GEOLOGIST'S REPORT		DRILLING TIME AND SAMPLE LOG	
COMPANY	Range Oil Company, Inc.	ELEVATIONS	
LEASE	Madden Unit #2	48	1470'
FIELD	Panther Ranch SW	DF	
LOCATION	800 EHL + 1300 FUL, NW/4	CL	1464'
SEC	31 T19S 19S R6E	MEASUREMENTS ARE ALL	
COUNTY	Chase Co. KS	FROM	KB
CONTRACTOR	C & B Drilling Co., Rig #1	DATE	8-12-14
RID	2305'	TYPE	Chem
MUD UP	1500'	ELECTRICAL SURVEYS	DT, Durl & Miron R
SAMPLES SAVED FROM	1580'	TO	RTD
DRILLING TIME KEPT FROM	1500'	TO	RTD
SAMPLES EXAMINED FROM	1500'	TO	RTD
GEOLOGICAL SUPERVISION FROM	1556	TO	RTD
GEOLOGIST ON WELL	Ken Wallace		
FORMATION TOPS	LOG	SAMPLES	
Lansing	1611(-14)	1615(-145)	
Cherokee	1920(-498)	1821(-484)	
Viola	2122(-542)	2117(-647)	
Lower Simpson	2120(-546)	2142(-646)	
Upper Simpson	2120(-546)	2183(-713)	
Lower Simpson	2262(-792)	2262(-792)	
Upper Simpson	2262(-792)	2280(-810)	
Lower Simpson	2280(-810)	2280(-810)	
Upper Simpson	2305(-835)	2305(-835)	

REMARKS: Production casing set to further evaluate Viola
Ken Wallace

8-6-14: MIRT
8-7-14: Drilg surface hole
8-8-14: Drilg @ 1000' 1400' 2305' + 747'; Set surface casing @ 231'
8-9-14: Drilg @ 1805' 1400' 2305' 1555'
8-10-14: Drilg @ 2195'
8-11-14: PTD 2205, Ran DST #1 / DST #2
8-12-14: RTD, 2305, Ran e-lots, set 5/2" casing, Pmg dwn @ 5:09 am

LEGEND							

SCALE " = 100'



DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION	
Well Name	Madden Unit #2
Formation	Viola 2185'-22195'
Surface Location	Sec 31-19S-6E-Chase Co.-KS
Field	un-named
Company Name	Range Oil Company, Inc.
Well Operator	Range Oil Company, Inc.
Well Type	Vertical
Test Type	Conventional Bottom-Hole
Test Purpose (AEUB)	Initial Test
Gauge Name	Inside 5951
Start Test Date	2014/08/10
Start Test Time	12:19:00
Final Test Date	2014/08/10
Final Test Time	17:49:00
Job Number	F294
Contact	John Washburn
Site Contact	Ken Wallace
Qualified By	Ken Wallace

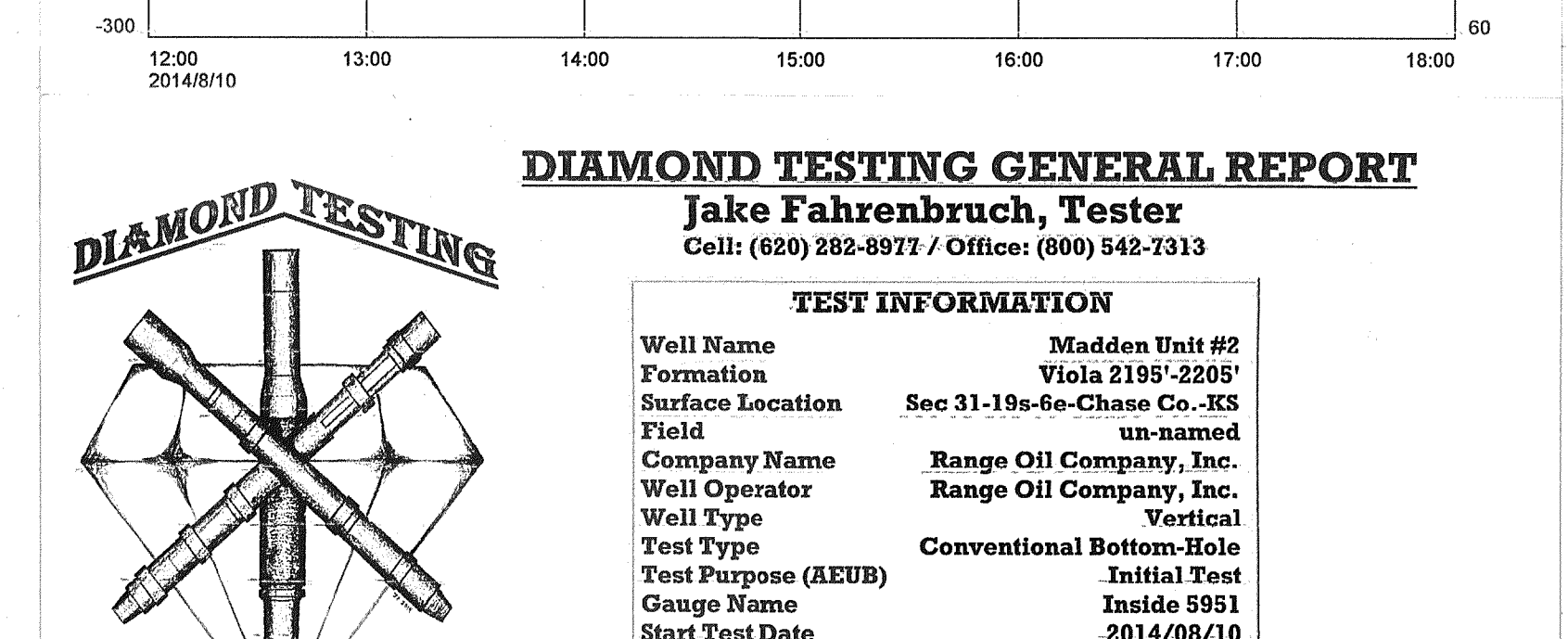
TEST RESULTS

Initial flow started with a surface blow that increased to .25". blow died by end of flow period.
Final flow had no blow.

Recovered: 5' Total Fluid
2" OIL 100% oil
3" Mud 100% mud

Range Oil Company, Inc. Start Test Date: 2014/08/10 Final Test Date: 2014/08/10

Madden Unit #2 Formation: Viola 2185'-22195' Job Number: F294



DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester
Cell: (620) 282-8977 / Office: (800) 542-7313

TEST INFORMATION	
Well Name	Madden Unit #2
Formation	Viola 2195'-2205'
Surface Location	Sec 31-19S-6E-Chase Co.-KS
Field	un-named
Company Name	Range Oil Company, Inc.
Well Operator	Range Oil Company, Inc.
Well Type	Vertical
Test Type	Conventional Bottom-Hole
Test Purpose (AEUB)	Initial Test
Gauge Name	Inside 5951
Start Test Date	2014/08/10
Start Test Time	22:40:00
Final Test Date	2014/08/11
Final Test Time	06:42:00
Job Number	F295
Contact	John Washburn
Site Contact	Ken Wallace
Qualified By	Ken Wallace

TEST RESULTS

Initial flow started with a surface blow that increased to 2.5". No blowback on initial shut-in.
Final flow started with a surface blow that increased to 3.5". No blowback on final shut in.

Recovered 75' Total Fluid
60' Clean Oil 100% oil
15' Oil Cut Mud 15% oil, 85% mud
--- Gravity: 29 (corrected to 60 F)
--- Tool Sample: Muddy Oil 65% oil, 35% mud

Range Oil Company, Inc. Start Test Date: 2014/08/10 Final Test Date: 2014/08/11

Madden Unit #2 Formation: Viola 2195'-2205' Job Number: F295

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



Cement or Acid Field Report
 Ticket No. **1614**
 Foreman Rick Ledford
 Camp Eureka Ks

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
8-12-14	1034	Madden Unit # 2	31	193	6E	Chase	Ks
Customer Range Oil Company Inc.			Unit #	Driver	Unit #	Driver	
Mailing Address P.O. Box 781775			104	Alan M.			
City Wichita			113	Chris M.			
State Ks			141	Rudy M.			
Zip Code 67228							

Job Type L/S Hole Depth 2305' Slurry Vol. 73 Bbl Tubing _____
 Casing Depth 2302' Hole Size 7 7/8" Slurry Wt. 13.7# Drill Pipe _____
 Casing Size & Wt. 5 1/2" 14# Cement Left in Casing 6.7' ST Water Gal/SK 9.0 Other _____
 Displacement 57 Bbl Displacement PSI 800 Bump Plug to 1500 BPM _____

Remarks: Safety meeting. Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl fresh water
Pump 100# metasilicate pre-flush w/ 12 Bbl water. 10 Bbl water spacer. Mixed 220 srs thickret
cement w/ 5# Val-sol/sx + 14% CSI-115 @ 13.7#/gal. yield 1.85. Washout pump + lines, shut down
(release latch down plug. Displace w/ 57 Bbl fresh water. Final pump pressure 800 PSI. Bump plug
to 1500 PSI. release pressure, float + plug held. Good circulation @ all times while cementing.
Job complete. Rig down.

Cent - 1, 3, 5, 28, 30, 38, 40
 band - 27
 "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	220 srs	thickret cement	19.50	4290.00
C207	1100 #	5# Val-sol/sx	.45	495.00
C211	50 #	14% CSI-115	10.50	525.00
C216	100 #	metasilicate pre-flush	2.00	200.00
C108B	12.1	tan mileage bulk tax	1.35	816.75
C113	5 hrs	80 Bbl var. tax	85.00	425.00
C224	3300 gals	city water	10.00/1000	33.00
C421	1	5 1/2" latch down plug	230.00	230.00
C604	1	5 1/2" cement based	225.00	225.00
C504	7	5 1/2" x 7 7/8" centralizers	48.00	336.00
C703	1	5 1/2" ATFV insert	145.00	145.00
			subtotal	8968.25
			Sales Tax	398.46
Authorization <u>Doug Reed</u> Title _____			Total	9366.71

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.