



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1213389
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: _____

1213389

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	BVW 1-36
Doc ID	1213389

All Electric Logs Run

CDL/CNL/PE
DIL
MEL
SONIC

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	BVW 1-36
Doc ID	1213389

Tops

Name	Top	Datum
Anhydrite	1386	+ 875
B/Anhydrite	1407	+ 855
Heebner Shale	3911	- 1649
Brown Limestone	4007	- 1745
Lansing	4017	- 1755
Stark Shale	4251	- 1989
B/KC	4340	- 2086
Marmaton	4382	- 2120
Cherokee Shale	4510	- 2248
Mississippian	4584	- 2322

QUALITY WELL SERVICE, INC.

6118

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date <i>3-29-14</i>	Sec. <i>26</i>	Twp. <i>23</i>	Range <i>20</i>	County <i>Franklin</i>	State <i>KS</i>	On Location <i>4:30 PM</i>	Finish <i>9:40</i>
Lease <i>BVW</i>	Well No. <i>136</i>	Location <i>North of 1/2 Sec 26 Twp 23 Range 20</i>					
Contractor <i>Duke</i>				Owner			
Type Job <i>Surface</i>				To Quality Well Service, Inc.			
Hole Size <i>12 1/4</i>				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg. <i>8 1/2</i>		T.D. <i>357</i>		Depth <i>357</i>		Charge To <i>Well Drilling</i>	
Tbg. Size		Depth		Street			
Tool		Depth		City		State	
Cement Left in Csg. <i>20</i>		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <i>21.5</i>		Cement Amount Ordered <i>250 - 60/40 2 1/2 gal</i>			
EQUIPMENT				<i>2 1/2 gal 700 F. Used 240 gal.</i>			
Pumptrk No.				Common <i>145</i>			
Bulktrk No.				Poz. Mix <i>100</i>			
Bulktrk No.				Gel. <i>4</i>			
Pickup No.				Calcium <i>9</i>			
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
				Sand			
<i>Handling 263</i>							
<i>Mileage 60</i>							
				FLOAT EQUIPMENT			
				Guide Shoe			
<i>240</i>				Centralizer			
				Baskets			
<i>21.5</i>				AFU Inserts			
<i>300</i>				Float Shoe			
				Latch Down <i>Service Supervisor</i>			
<i>1 8 1/8 Woodm Plug</i>							
<i>cement did circulate to surface</i>							
				Pumptrk Charge <i>Surface</i>			
				Mileage <i>60 x 2</i>			
				Tax			
				Discount			
				Total Charge			
Signature <i>Alan Cain</i>							

DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	MULL DRLG CO LLC	MARK SHREVE	Job Number	A036
Contact		BVW 1-36	Representative	ANDY CARREIRA
Well Name		DST1 LANS"K" 4244-4275	Well Operator	MULL DRLG CO LLC
Unique Well ID		SEC36-23S-20W EDWARDS CNTY,KS	Report Date	2014/04/03
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		WILDCAT		
Well Type		Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST1 LANS"K" 4244-4275
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/03	Start Test Time	11:55:00
Final Test Date	2014/04/03	Final Test Time	19:30:00

Gauge Name	5585
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Test Results

RECOVERY: 5' OIL 100%O
90' OSMW 2%O,65%W,33%M
95' TOTAL FLUID

GRAVITY: 34 @ 60
CHLORIDES: 48000
RW: .28 @ 40deg.
Ph: 7

TOOL SAMPLE: TRACE OIL, WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BVW 1-36 DST 1

TIME ON: 11:55
TIME OFF: 19:30

Company MULL DRLG. CO. LLC. Lease & Well No. BVW 1-36
Contractor DUKE 6 Charge to MULL DRLG. CO. LLC.
Elevation 2250 GL Formation LANS "K" Effective Pay _____ Ft. Ticket No. A036
Date 4-3-14 Sec. 36 Twp. 23 S Range 20 W County EDWARDS State KANSAS
Test Approved By PHIL ASKEY Diamond Representative ANDY CARREIRA

Formation Test No. 1 Interval Tested from 4244 ft. to 4275 ft. Total Depth 4275 ft.
Packer Depth 4239 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4244 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4233 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4246 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 273.32 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4900 P.P.M. Drill Pipe Length 3945.68 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NO Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 31 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW DIED IN 4 MIN. (NObb)
2nd Open: NO BLOW (NObb)

Recovered <u>5</u> ft. of <u>OIL 100%O</u>		
Recovered <u>90</u> ft. of <u>OSMW 2%O, 65%W, 33%M</u>		
Recovered <u>95</u> ft. of <u>TOTAL FLUID</u>	<u>GRAVITY: 34 @ 60deg.</u>	
Recovered _____ ft. of _____	<u>CHLORIDES: 48000</u>	
Recovered _____ ft. of _____	<u>RW: .28 @ 40deg.</u>	Price Job
Recovered _____ ft. of _____	<u>Ph: 7</u>	Other Charges
Remarks: _____		Insurance
<u>TOOL SAMPLE: TRACE OIL, WATER</u>		Total

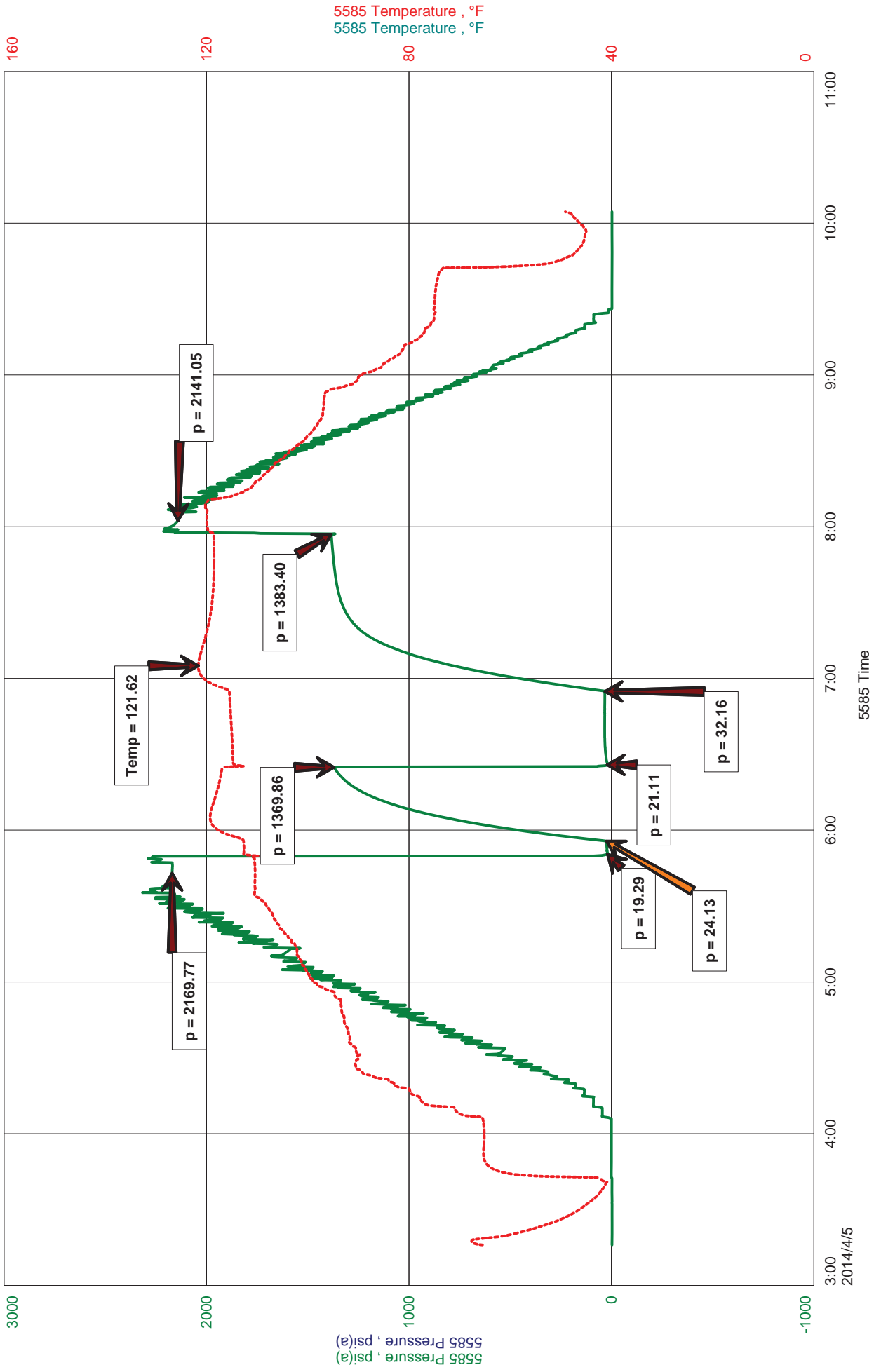
Time Set Packer(s) 2:18 PM A.M. P.M. Time Started Off Bottom 4:23 PM A.M. P.M. Maximum Temperature 113
Initial Hydrostatic Pressure..... (A) 2041 P.S.I.
Initial Flow Period..... Minutes 5 (B) 8 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1354 P.S.I.
Final Flow Period..... Minutes 30 (E) 30 P.S.I. to (F) 69 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1275 P.S.I.
Final Hydrostatic Pressure..... (H) 2009 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

MULL DRLG CO LLC
DST2 CONGL SAND 4538-4580
Start Test Date: 2014/04/05
Final Test Date: 2014/04/05

BVW 1-36
Formation: DST2 CONGL SAND 4538-4580
Pool: WILDCAT
Job Number: A037

BVW 1-36



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	MULL DRLG CO LLC	MARK SHREVE	Job Number	A037
Contact		BVW 1-36	Representative	ANDY CARREIRA
Well Name		DST2 CONGL SAND 4538-4580	Well Operator	MULL DRLG CO LLC
Unique Well ID		SEC36-23S-20W EDWARDS CNTY KS	Report Date	2014/04/05
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		WILDCAT		
Well Type		Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST2 CONGL SAND 4538-4580
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/05	Start Test Time	03:16:00
Final Test Date	2014/04/05	Final Test Time	10:05:00

Gauge Name	5585
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Test Results

RECOVERY: 1470' GIP
30' GM 5%G, 95%M
30' TOTAL FLUID

TOOL SAMPLE: 100% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BVW 1-36 DST 2

TIME ON: 03:16
TIME OFF: 10:05

Company MULL DRLG. CO. LLC. Lease & Well No. BVW 1-36
Contractor DUKE 6 Charge to MULL DRLG. CO. LLC.
Elevation 2250 GL Formation CONGL. SAND Effective Pay _____ Ft. Ticket No. A037
Date 4-5-14 Sec. 36 Twp. 23 S Range 20 W County EDWARDS State KANSAS
Test Approved By PHIL ASKEY Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 4538 ft. to 4580 ft. Total Depth 4580 ft.
Packer Depth 4533 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4538 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4519 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4540 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 273.32 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5900 P.P.M. Drill Pipe Length 4231.68 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 42 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB IN 4 MIN. (4"bb)
2nd Open: BOB IMMEDIATELY (NObb)

Recovered 1470 ft. of GIP
Recovered 30 ft. of GM 5%G, 95%M
Recovered 30 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: 100% MUD	Total

Time Set Packer(s) 5:50 AM A.M. P.M. Time Started Off Bottom 7:55 AM A.M. P.M. Maximum Temperature 122

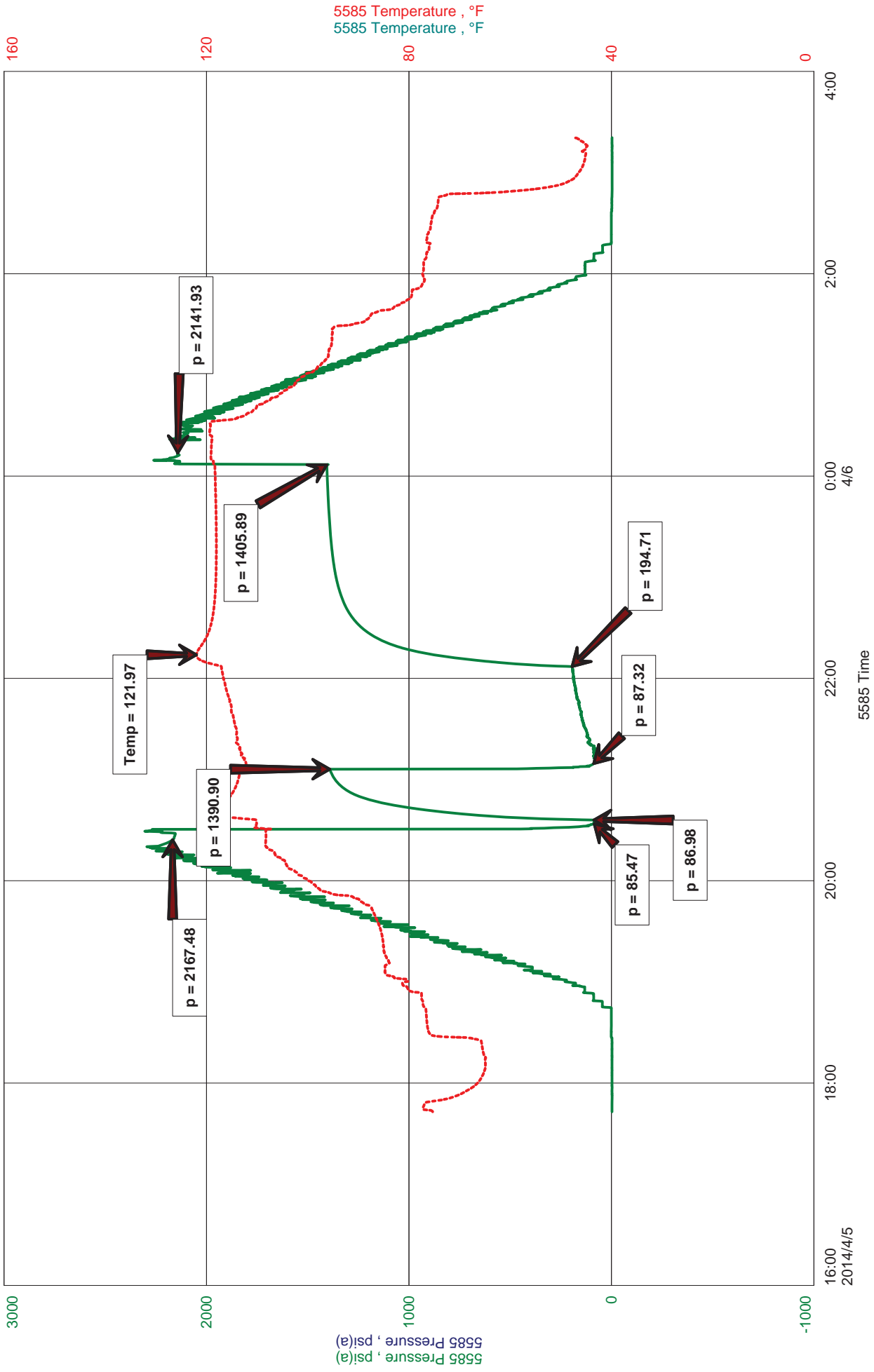
Initial Hydrostatic Pressure..... (A) 2170 P.S.I.
Initial Flow Period..... Minutes 5 (B) 5 P.S.I. to (C) 19 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1370 P.S.I.
Final Flow Period..... Minutes 30 (E) 21 P.S.I. to (F) 32 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1383 P.S.I.
Final Hydrostatic Pressure..... (H) 2141 P.S.I.

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MULL DRLG CO LLC
DST3 MISS 4540-4598
Start Test Date: 2014/04/05
Final Test Date: 2014/04/06

BVW 1-36
Formation: DST3 MISS 4540-4598
Pool: WILDCAT
Job Number: A038

BVW 1-36



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	MULL DRLG CO LLC	MARK SHREVE	Job Number	A038
Contact		BVW 1-36	Representative	ANDY CARREIRA
Well Name		DST3 MISS 4540-4598	Well Operator	MULL DRLG CO LLC
Unique Well ID		SEC36-23S-20W EDWARDS CNTY, KS	Report Date	2014/04/05
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		WILDCAT		
Well Type		Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST3 MISS 4540-4598
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/05	Start Test Time	17:43:00
Final Test Date	2014/04/06	Final Test Time	03:20:00

Gauge Name	5585
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Test Results

RECOVERY: GTS 5 MIN INTO 2ND OPEN. (GAUGED & SAMPLED)
300' GM 10%G, 90%M

TOOL SAMPLE: 100% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BVW 1-36 DST 3

TIME ON: 17:43
TIME OFF: 03:20

Company MULL DRLG. CO. LLC. Lease & Well No. BVW 1-36
Contractor DUKE 6 Charge to MULL DRLG. CO. LLC.
Elevation 2250 GL Formation MISS Effective Pay _____ Ft. Ticket No. AO38
Date 4-5-14 Sec. 36 Twp. _____ 23 S Range _____ 20 W County EDWARDS State KANSAS
Test Approved By PHIL ASKEY Diamond Representative ANDY CARREIRA

Formation Test No. 3 Interval Tested from 4540 ft. to 4598 ft. Total Depth 4598 ft.
Packer Depth 4535 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4540 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4521 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4542 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

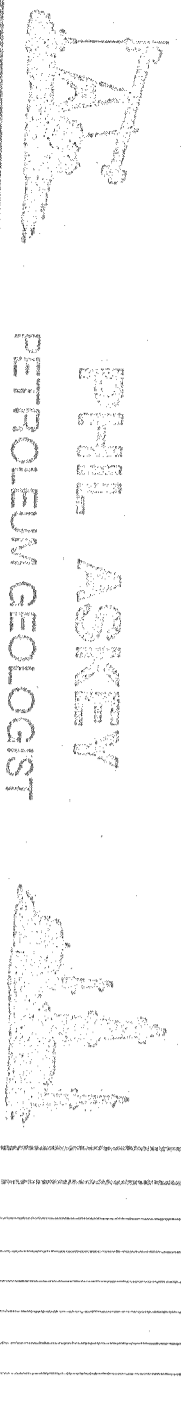
Mud Type CHEMICAL Viscosity 56 Drill Collar Length 273.32 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7900 P.P.M. Drill Pipe Length 4233.68 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 58 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB IN 30 SECONDS (NObb)
2nd Open: BOB IMMEDIATELY. GTS IN 5 MIN, (6"bb)

Recovered <u>300</u> ft. of <u>GM 10%G, 90%M</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>GAUGED GAS: 1/4" ORIFICE, 113.4 CF/D IN 60 MIN.</u>	Insurance
<u>TOOL SAMPLE: 100% MUD</u>	Total

Time Set Packer(s) 8:31 PM A.M. P.M. Time Started Off Bottom 12:06 AM A.M. P.M. Maximum Temperature 122
Initial Hydrostatic Pressure..... (A) 2167 P.S.I.
Initial Flow Period..... Minutes 5 (B) 85 P.S.I. to (C) 87 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1391 P.S.I.
Final Flow Period..... Minutes 60 (E) 87 P.S.I. to (F) 195 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1406 P.S.I.
Final Hydrostatic Pressure..... (H) 2142 P.S.I.

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PHIL AKEY
PETROLEUM GEOLOGIST
GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY: Mull Drilling Company, Inc.
LEASE: BVW #1-36
FIELD: Wildcat
LOCATION: 467 ENL & 1985' P.W.L.
COUNTY: Edwards STATE: Kansas
CONTRACTOR: Duke Drilling Rig #6
CORNER: 21/28 1/4 COMP 4/6 1/4
RD: 4710 LTD 4712

DRILLING TIME KEPT FROM: 3500'
GEOLOGICAL SUPERVISION FROM: 3750'
GEOLOGIST ON WELL: Phil Akeley, R.G.

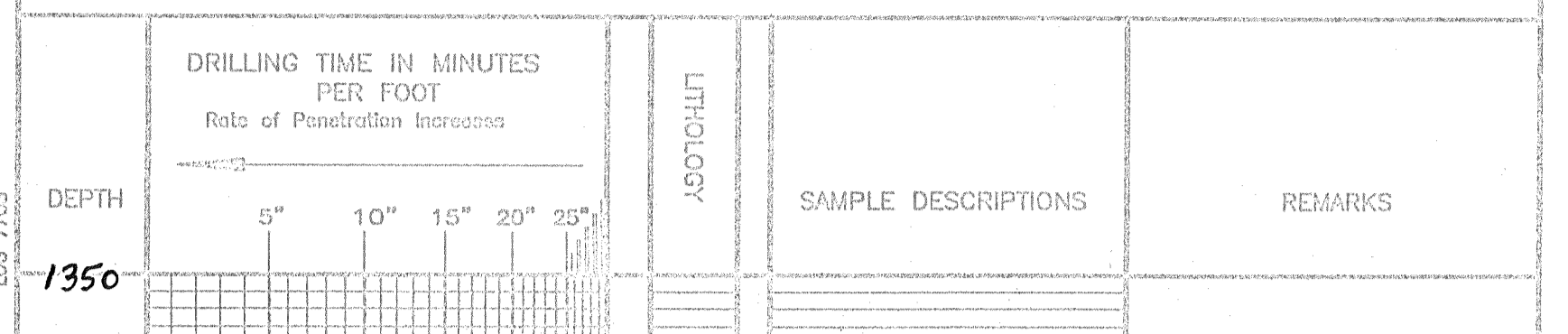
FORMATION TOPS
Anhydrite 1386
Lensing 1401
Hushjuncy Sh. 1408
Marmaton 1432
Cherokee Sand 1556
Mississippian 1710

FORMATION TOPS
Lensing 1386
Hushjuncy Sh. 1408
Marmaton 1432
Cherokee Sand 1556
Mississippian 1710

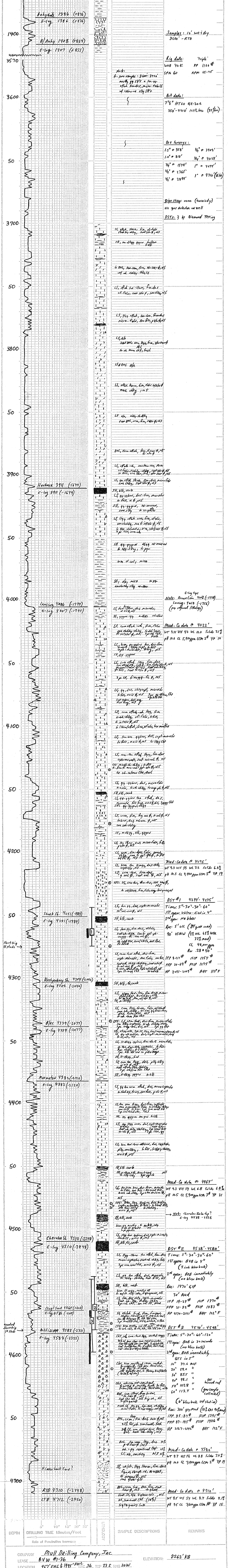
FORMATION TOPS
Lensing 1386
Hushjuncy Sh. 1408
Marmaton 1432
Cherokee Sand 1556
Mississippian 1710

REMARKS
The Mull Drilling Co., BVW#1-36 ran structureless, low to no reference well. Common Swath-located 2 miles to NE/northeast, the BVW#1-36 ran structurally high to the other reference well, cmx-bornholt #1, located 2 miles to the south-east.
The positive sample shows in the Lansing K zone, 2 small Gogol sand zones, and a upper miss chert section were all DST with non commercial results.
After review of the DST data and E-log, it was decided to plug and abandon the BVW#1-36.

Phil Akeley, L.G.



SCALE 1" = 100'



COMPANY: Mull Drilling Company, Inc.
LEASE: BVW #1-36
LOCATION: 467 ENL & 1985' P.W.L. SEC 36 TWP 23 S RANG 20 W
COUNTY: Edwards STATE: Kansas
ELEVATION: 2262' KB