



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1105979

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BOP West LLC

LEASE M. Karber #28-1

FIELD Gypsum Creek

LOCATION 1595' FNL & 550' FWL

SEC 28 TWPSP 16s RGE LW

COUNTY Saline STATE KS

CONTRACTOR C & G Drilling Co

SPUD 10-24-12 COMP 10-29-12

RTD 2637' LTD NA

MUD UP 1745' TYPE MUD Chem

ELEVATIONS

KB 1285'

DF _____

GL 1276'

Measurements Are All From KB

CASING SURFACE 8 5/8" @ 219'
PRODUCTION None

ELECTRICAL SURVEYS

None

SAMPLES SAVED FROM 1800'

TO RTD

DRILLING TIME KEPT FROM 1800'

TO RTD

SAMPLES EXAMINED FROM 1800'

TO RTD

GEOLOGICAL SUPERVISION FROM 1800'

TO RTD

GEOLOGIST ON WELL Ken Wallace

FORMATION TOPS

LOG

SAMPLES

Brown ls

1964 (-679)

Lansing

2011 (-726)

Stark sh

2272 (-987)

BKc

2344 (-1059)

Cherokee sh

2526 (-1241)

Miss Dol

2624 (-1339)

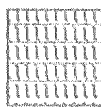
o			
	28		

REMARKS

M. Karber #28-1 run low to reference wells with negative DST results. plugged & abandoned 10/29/12

Ken Wallace

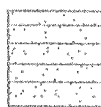
LEGEND



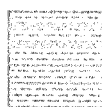
Anhydrite



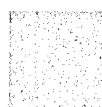
Salt



Sandstone



Shale



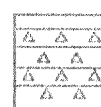
Carb sh



Limestone



Ool. Lime



Chert



Dolomite

SCALE " = 100'

DRILLING TIME - Minutes Per Foot
Rate of Penetration Decreases

SAMPLE DESCRIPTIONS

REMARKS

DEPTH

DSTs

Units

5077

1000

1800'

20

Toronto
1823 (-538)

- Bit
Trip

Ls, wh, sm lt gy, foss, sl ool,
N.S.

40

Douglas
1840 (-555)

Sh, gy, sm red
SS, gy, fn grnd, well sort,
p. f intrgrn ϕ , pyrite, abd
gilsonite, ns, no

60

SS, AA but more fn grnd,
NS

AA with grn sh

80

vc sh, and SS AA, tr
gilsonite, N.S.

AA

1900

AA, pyrite

20

Sh, gy, sm red, grn, slt
silty - sandy

40

AA

60

Brown Ls
1964 (-679)

sh, gy, red

Ls, brn- gy, cky- dse,
cxln, sl foss, abd red
sh, ns

80

sh, gy, red, pea grn,
pyrite, silty

2000

AA, much pyrite

Lansing
2011 (-726)

Ls, wh - lt gy, dol, poor
sorted ool, dk gy inclusions,

20

20
40
60
80
2100
20
40
60
80
2200
20
40



slt pyrite, NØ, NS

Ls, gy-tan, ool, dse, slty
cky, cxln, foss, NS

Ls, wh-ltgy, ool, p ooc φ,
cky, NS

sh, bl

Ls, tan-ltgy, slty ool/foss,
cky, fxln, NS

Ls, gy, sm brn, sl ool/foss,
cky-dse, cxln, NS

sh, gy
Ls, tan, dse, foss, fxln,
slty, NS

X Ls, gy, foss, fngrdool, cky,
vp vg φ, vssfo on break,
NO

X Ls, gy, ool, sl foss, dse,
vp ooc φ, 2 pcs vssfo
on break, NO

Ls, gy, ool, cky, pyrite, NS

X Ls, wh-ltgy, ool, p ooc φ,
1 pc vssfo on break, NO

Ls, AA, NS

AA

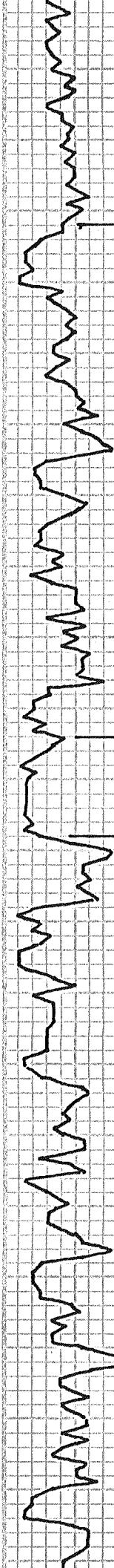
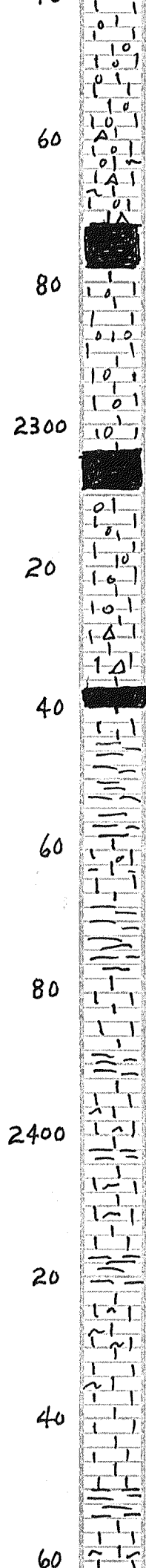
sh, gy, pyrite

Ls, med-dkgy, sl ool, sl
foss, cky-dse, cxln, glauc,
NS

Ls, wh, tr lt tan, ool,
vcky, sl foss, NS

Ls, lt tan, sm ltgy, ool,
foss, cky-dse, md xln,
NS

Ls, ltgy, sl cky, vfxln,
NS



Stark sh
2272(-987)

BKC
2344(-1059)

Marmaton
2358(-1073)

Ls, wh, ool, foss, cky,
NS

Ls, tan, sl ool, foss, sl
cky, dse, fxln, Δty, NS

sh, bl

Ls, mdgy, sm tan, dse-
sl cky, sl foss/ool, cxln,
NS

X Ls, lt gy, ool (fgnd ool),
sl foss, 1 pc sledge stn/
VSSFO, ND
sh, bl

Ls, brn, ool, foss, dse, cxln,
pyrite, NS

Ls, wh, cky - dse, cxln, NS

AA, slt Δty

sh, bl
Ls, dk gy, cxln, foss, NS

sh, gy sm red, pyrite

Ls, dk gy, argl, sl ool,
foss, NS

sh, gy sm lt grn, red, brn,
pyrite

Ls, tan, dse, fxln, NS

sh, gy, lt grn
Ls, lt gy - tan, sl foss,
dse, fxln - cxln, pyrite
NS

Ls, tan, dse, foss, cxln
NS

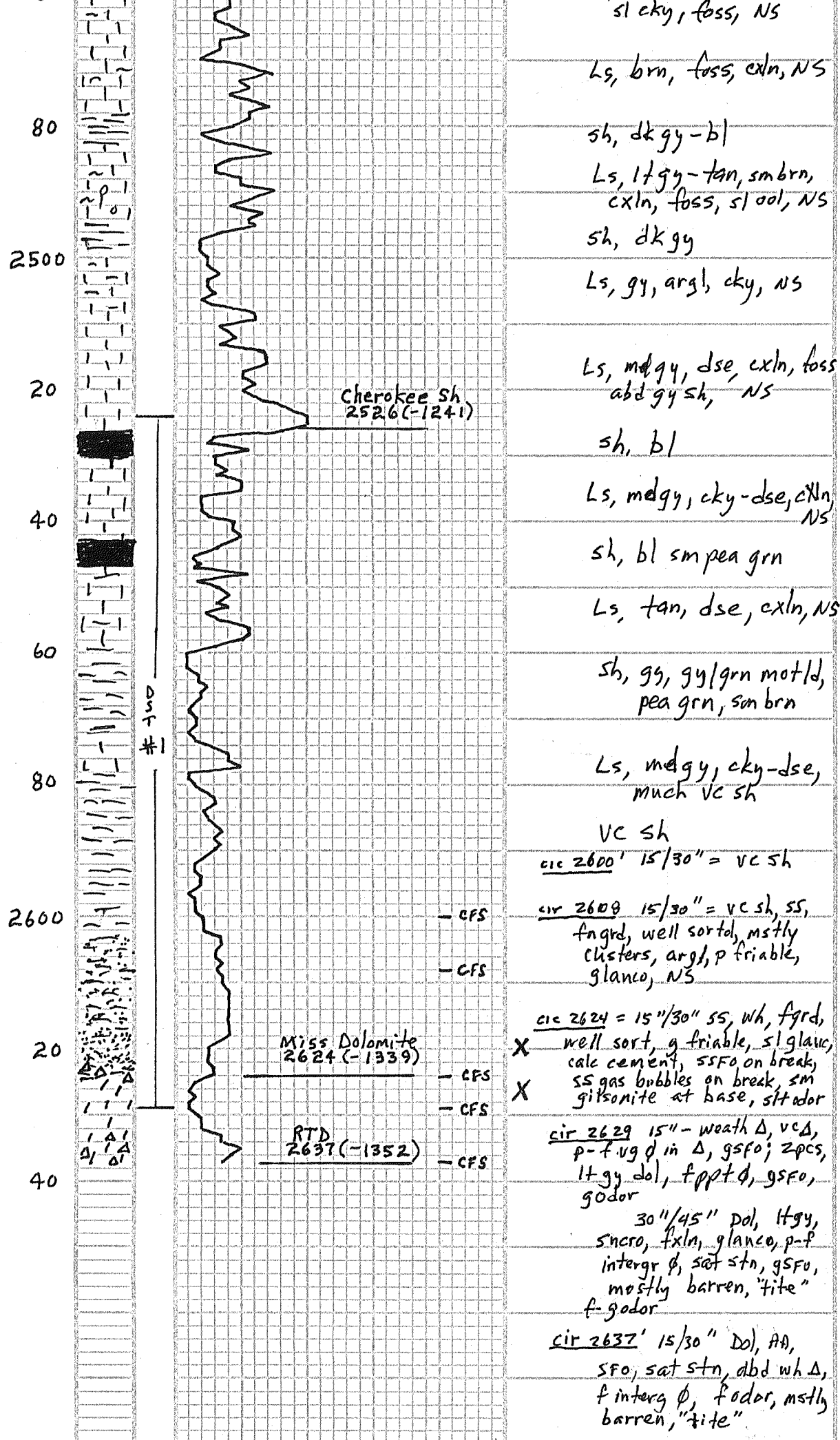
sh, gy, brn, red, pyrite

Ls, tan, foss, dse, cxln,
NS

Ls, gy - tan, dse, fxln,
NS

Ls, aa, cky, abd vch,
pyrite, NS
sh, gy sm red

Ls, tan - brn, dse, cxln,



sl cky, foss, NS
 Ls, brn, foss, exln, NS
 sh, dk gy-bl
 Ls, lt gy-tan, sm brn, exln, foss, sl ool, NS
 sh, dk gy
 Ls, gy, argl, cky, NS

Ls, mdgy, dse, exln, foss
 abd gy sh, NS
 Cherokee Sh
 252.6(-1241)
 sh, bl
 Ls, mdgy, cky-dse, exln, NS
 sh, bl sm pea grn
 Ls, tan, dse, exln, NS

sh, gy, gy/grn motld, pea grn, sm brn
 Ls, mdgy, cky-dse, much vc sh
 VC sh
 cir 2600' 15"/30" = VC sh

- CFS
 cir 2600 15"/30" = VC sh, SS, fngrd, well sorted, mstly clusters, argl, p friable, glanco, NS
 - CFS

Miss Dolomite
 262.4(-1339)
 - CFS
 - CFS
 X well sort, g friable, sl glanc, calc cement, SSfo on break, SS gas bubbles on break, sm gitsonite at base, sl odor

RTD
 263.7(-1352)
 - CFS
 cir 2629 15" - weath Δ, vc Δ, p-f. v.g d in Δ, gsfo; 2pcc, lt gy dol, f ppt d, gsfo, g odor

30"/45" dol, ltgy, snoro, fxln, glanco, p-f intergr φ, sat stn, gsfo, mostly barren, "tite" f-g odor

cir 2637' 15"/30" Dol, AA, sfo, sat stn, abd wh Δ, f intergr φ, f odor, mstly barren, "tite"

DSI #1 2524 - 2629

30/45/45/60

IF - stdy 1/4" Blow thru

FS - surface Blow thru

Rec: 20' mud w/ spotty oil
on top tool

IP 9/17# FFP 18/27#

ISP 181# FSIP 177#

(X = oil show)

DIAMOND TESTING

General Information Report

General Information

Company Name	BOP WEST, LLC	Representative	TIM VENTERS
Contact	STEVE SIGLER	Well Operator	BOP WEST, LLC
Well Name	M. KARBER #1-28	Report Date	2012/10/28
Unique Well ID	DST #1, MISS./BURGESS, 2524-2629	Prepared By	TIM VENTERS
Surface Location	SEC 28-16S-1W, SALINE CO. KS.	Qualified By	KEN WALLACE
Field	HUNTER		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, MISS./BURGESS, 2624-2629		
Well Fluid Type	01 Oil		
Start Test Date	2012/10/27	Start Test Time	21:27:00
Final Test Date	2012/10/28	Final Test Time	05:36:00

Test Recovery:

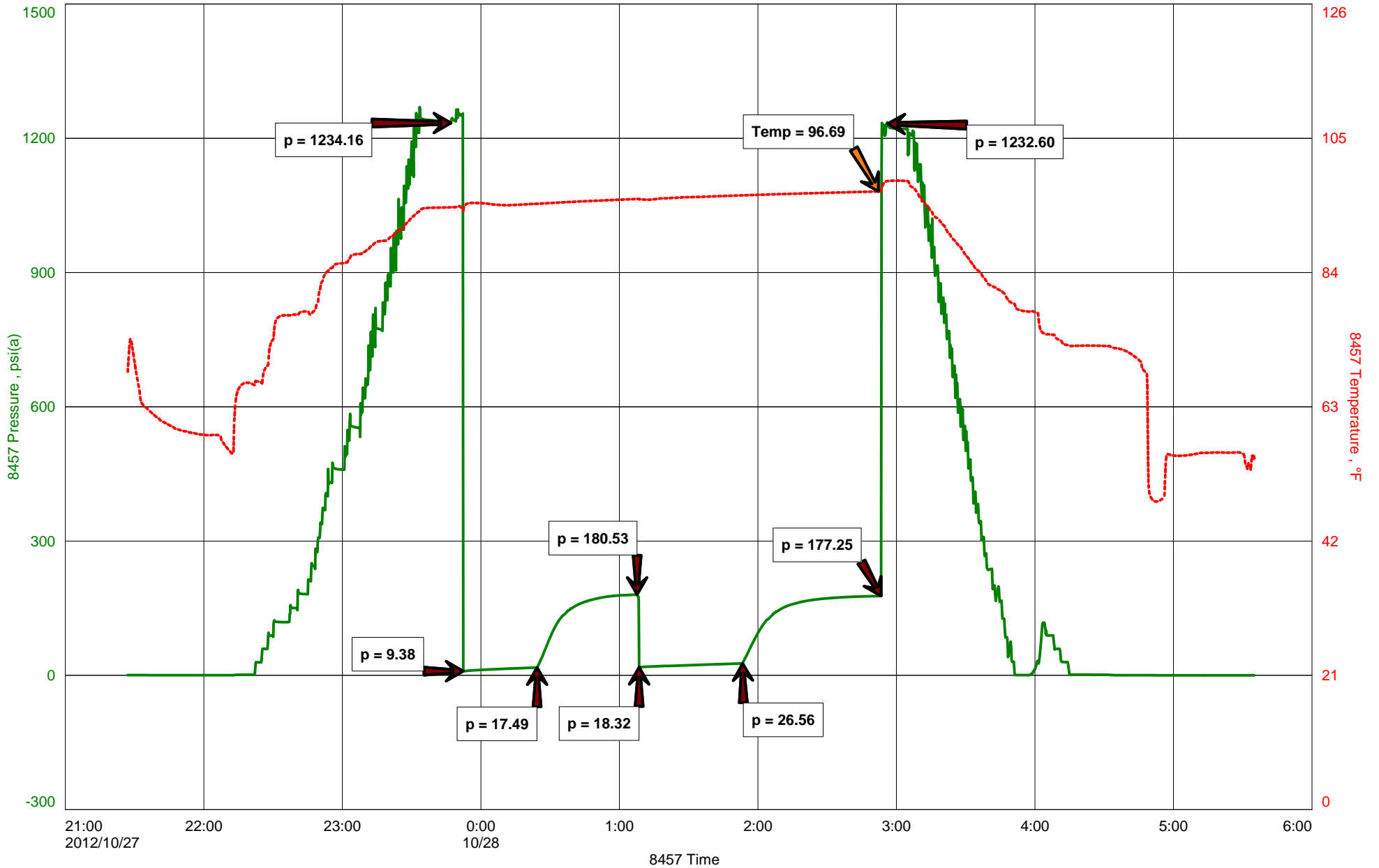
RECOVERED: 20' MUD

TOOL SAMPLE: SPOTTY OIL, 100% MUD

BOP WEST, LLC
DST #1, MISS./BURGESS, 2524-2629
Start Test Date: 2012/10/27
Final Test Date: 2012/10/28

M. KARBER #1-28
Formation: DST #1, MISS./BURGESS, 2624-2629
Pool: HUNTER
Job Number: T115

M. KARBER #1-28





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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

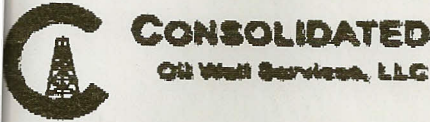
Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.



TICKET NUMBER 35627
 LOCATION Fuick
 FOREMAN Rick Ledford

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

FIELD TICKET & TREATMENT REPORT
CEMENT API # 15-169-20344

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/23/12	1754	M. Karber 28-1	28	16S	1W	Saline
CUSTOMER			C+C 0-1 R0 #2			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
BOB West LLC			445	Dave		
P.O. Box 129			477	Merle		
CITY	STATE	ZIP CODE				
Waver	OH	44691				

JOB TYPE Surface 0 HOLE SIZE 12 1/4" HOLE DEPTH 219' CASING SIZE & WEIGHT 8 5/8"
 CASING DEPTH 219' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15# SLURRY VOL 34 Bbl WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
 DISPLACEMENT 12.6 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting: Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water.
Mixed 140 sacks class A cement w/ 3% cclz, 2% gel + 1/4" floccle/sk @ 15#/gal.
Displace w/ 12.6 bbl fresh water. Shut casing in w/ good cement. returns to surface = 6
Bbl slurry to pit. Job complete Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	825.00	825.00
5406	100	MILEAGE	4.00	400.00
11043	140 sacks	class A cement	14.95	2093.00
1102	395#	3% cclz	.74	292.30
11283	264#	2% gel	.21	55.44
1167	35#	1/4" floccle/sk	2.35	82.25
5407A	6.92	ton mileage bulk trk	1.34	927.28
			Subtotal	4675.27
			7.3% SALES TAX	184.18
			ESTIMATED TOTAL	4859.45

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 36326
LOCATION Eureka
FOREMAN Russell McLaughlin

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

FIELD TICKET & TREATMENT REPORT

CEMENT Apr # 15-169-20344-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-28-2012	1754	M Karber 28-1	28	16	1	Saline

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
BoP West LLC	520	John		
	611	JOEY		

CITY	STATE	ZIP CODE
Wooster	OH	44691

JOB TYPE P.T.A. D HOLE SIZE 7 7/8 HOLE DEPTH 2637 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safety meeting Plug Down 4 1/2 Drill PIPE

35 SKs @ 269
 35 SKs @ 60
 25 SKs Rathole
 20 SKs M.Hole
 115 SKs TOTAL

Thanks
Russell McLaughlin

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405	1	PUMP CHARGE	1,030.00	1,030.00
5406	100	MILEAGE	4.00	400.00
1131	115 SKs	60/40 Pozmix	12.55	1443.25
1118 B	400 #	6-1 4%	.21	84.00
5407A	4.95 TON	100 miles Bulk Delv.	1.34	663.30
				3620.55
			SALES TAX	111.49
			ESTIMATED TOTAL	3732.04

AUTHORIZATION [Signature] TITLE Drilg ch C+G DATE 10-28-2012

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for this service.