



KANSAS CORPORATION COMMISSION 1105979
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34439
Name: BOP West, LLC
Address 1: PO BOX 129
Address 2: _____
City: WOOSTER State: OH Zip: 44691 + _____
Contact Person: Steve Sigler
Phone: (330) 264-8847
CONTRACTOR: License # 32701
Name: C & G Drilling, Inc.
Wellsite Geologist: Ken Wallace
Purchaser: NA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
10/23/2012 10/28/2012 10/28/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-169-20344-00-00
Spot Description: _____
NE_NW_SW_NW Sec. 28 Twp. 16 S. R. 1 East West
1595 Feet from North / South Line of Section
550 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Saline
Lease Name: M. Karber Well #: 28-1
Field Name: Hunter
Producing Formation: None
Elevation: Ground: 1276 Kelly Bushing: 1285
Total Depth: 2637 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 219 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: 1400 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
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: Deanna Garrison Date: 12/28/2012

1105979



Operator Name: BOP West, LLC Lease Name: M. Karber Well #: 28-1
Sec. 28 Twp. 16 S. R. 1 East West County: Saline

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 (Attach Additional Sheets) Samples Sent to Geological Survey Cores Taken Electric Log Run Electric Log Submitted Electronically List All E. Logs Run: Log Formation (Top), Depth and Datum Sample Name Top Datum Brown Lime 1964 -679 Lansing 2011 -726 Stark Shale 2272 -987 BKC 2344 -1059 Cherokee 2526 -1241 Mississippi 2624 -1339

CASING RECORD Table with columns: 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. Includes Surface row with values: 12.25, 8.625, 23, 219, Class A, 140, 3%CaCl, 2% gel, .25# Floccle.

ADDITIONAL CEMENTING / SQUEEZE RECORD Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives. Includes rows for 169-269 and 0-60 depths with 60/40 Poz cement and 4% gel.

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), 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), Estimated Production Per 24 Hours (Oil Bbls, Gas Mcf, Water Bbls, Gas-Oil Ratio, Gravity).

DISPOSITION OF GAS: (Vented, Sold, Used on Lease), METHOD OF COMPLETION: (Open Hole, Perf., Dually Comp., Commingled, Other), PRODUCTION INTERVAL:

1800

20

40

60

80

1900

20

40

60

80

2000

Toronto
1823 (-538)

- Bit
Trip

Ls, wh, sm lt gy, foss, slool,
N.S.

Douglas
1840 (-555)

Sh, gy, sm red
SS, gy, fn grnd, well sort,
P. f intrgrn ϕ , pyrite, abd
gilsonite, N.S., No

SS, AA but more fn grnd,
NS

AA with grn sh

VE sh, and SS AA, +
gilsonite, N.S.

AA

AA, pyrite

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

AA

Brown Ls
1864 (-679)

sh, gy, red

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

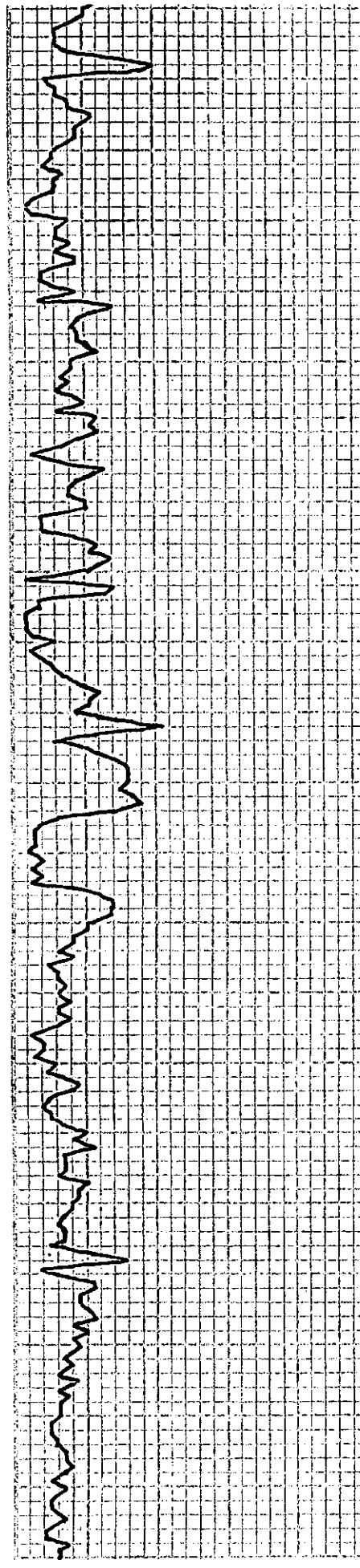
sh, gy, red, pea grn,
pyrite, silty

AA, much pyrite

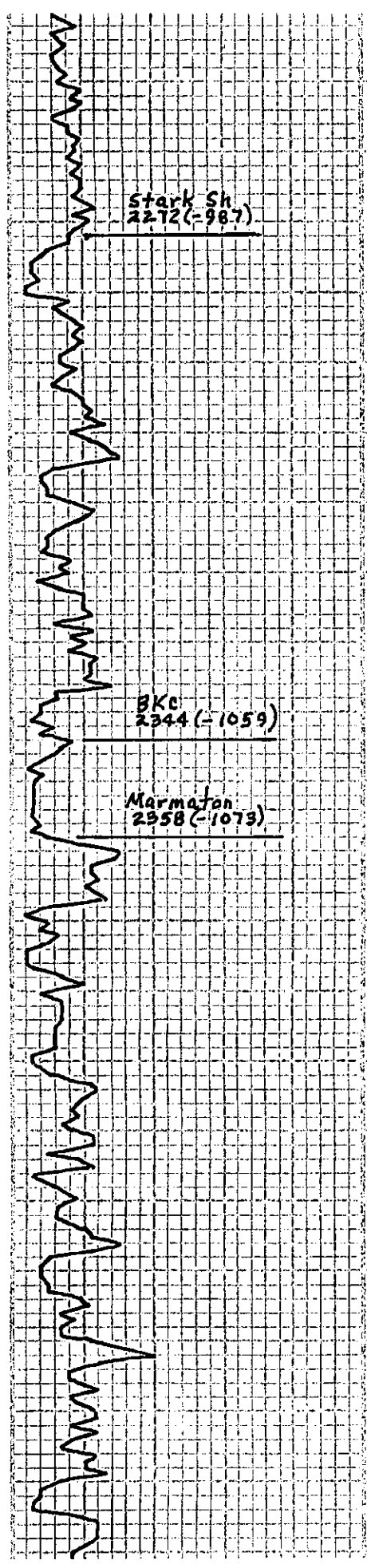
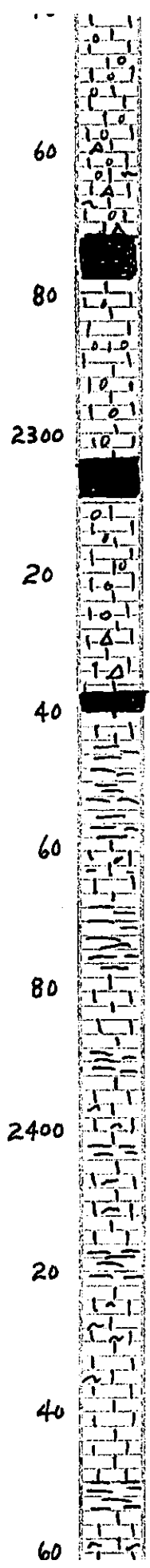
Lansing
2011 (-726)

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

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 d,
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,
Aty, NS
X Ls, gy, foss, fngrd ool, cky,
vpug d, vssfo on break,
NO
X Ls, gy, ool, sl foss, dse,
vp ooc d, 2-pcs vssfo
on break, NO
Ls, gy, ool, cky, pyrite, NS
X Ls, wh-ltgy, ool, p ooc d,
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



Ls, wh, ool, foss, cky,
 NS

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

Stark Sh
 2272 (-987)

sh, bl

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

X Ls, lt gy, ool (fgnd ool),
 sl-foss, l-pc sledgestrl,
 VSSFO, NO

sh, bl

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

Ls, wh, cky-dse, cxln, NS

AA, sl Δty

sh, bl

Ls, dkgy, cxln, foss, NS

sh, gy sm red, pyrite

BKC
 2344 (-1059)

Marmatan
 2358 (-1073)

Ls, dkgy, argl, sl ool,
 foss, NS

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

Ls, tan, dse, fxln, NS

sh, gy, lt grn

Ls, ltgy-tan, sl foss,
 dse, fxln-cxln, pyrite

Ls, tan, dse, foss, cxln
 NS

sh, gy, brn, red, pyrite

Ls, tan, foss, dse, cxln,
 NS

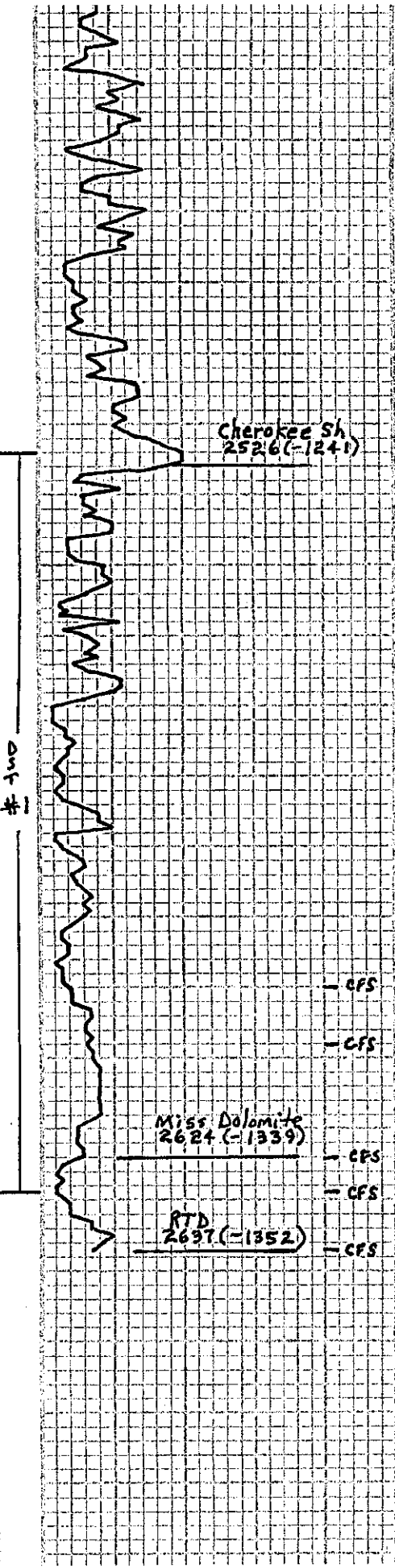
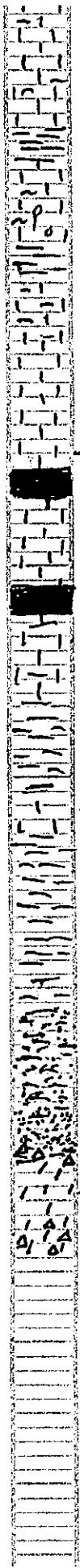
Ls, gy-tan, dse, fxln,
 NS

Ls, aa, cky, abd uc ch,
 pyrite, NS

sh, gy sm red

Ls, tan-brn, dse, cxln,

80
2500
20
40
60
80
2600
20
40



Cherokee Sh
2526 (-1241)

Miss Dolomite
2624 (-1339)

RTD
2637 (-1352)

sl cky, foss, NS

Ls, brn, foss, ckn, NS

sh, dk gy-bl

Ls, lt gy-tan, sm brn,
ckn, foss, sl ool, NS

sh, dk gy

Ls, gy, argl, cky, NS

Ls, md gy, dse, ckn, foss
abd gy sh, NS

sh, bl

Ls, md gy, cky-dse, ckn,
NS

sh, bl sm pea grn

Ls, tan, dse, ckn, NS

sh, gs, gy/grn mot/d,
pea grn, sm brn

Ls, md gy, cky-dse,
much vc sh

VC sh

cir 2600' 15/30" = VC sh

- CFS cir 2609 15/30" = VC sh, SS,
fngrd, well sortd, mstly
clusters, argl, p friable,
glanco, NS

- CFS X cir 2624 = 15"/30" SS, wh, fngrd,
well sort, g friable, sl glauc,
calc cement, SSfo on break,
SS gas bubbles on break, sm
giltsonite at base, st odor

- CFS X cir 2629 15" - woadh Δ, vc Δ,
p-f vg φ in Δ, gsfo; 2 pcs,
lt gy dol, f ppt φ, gsfo,
godor

30"/45" dol, lt gy,
snoro, fkn, glanco, p-p
intergr φ, sat stn, gsfo,
mostly barren, "tite"
f godor

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

UDI #1 2224 - 2627

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
Contact STEVE SIGLER
Well Name M. KARBER #1-28
Unique Well ID DST #1, MISS./BURGESS, 2524-2629
Surface Location SEC 28-16S-1W, SALINE CO. KS.
Field HUNTER
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, MISS./BURGESS, 2624-2629
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator BOP WEST, LLC
Report Date 2012/10/28
Prepared By TIM VENTERS
Qualified By KEN WALLACE

Start Test Date 2012/10/27
Final Test Date 2012/10/28

Start Test Time 21:27:00
Final Test Time 05:36:00

Test Recovery:

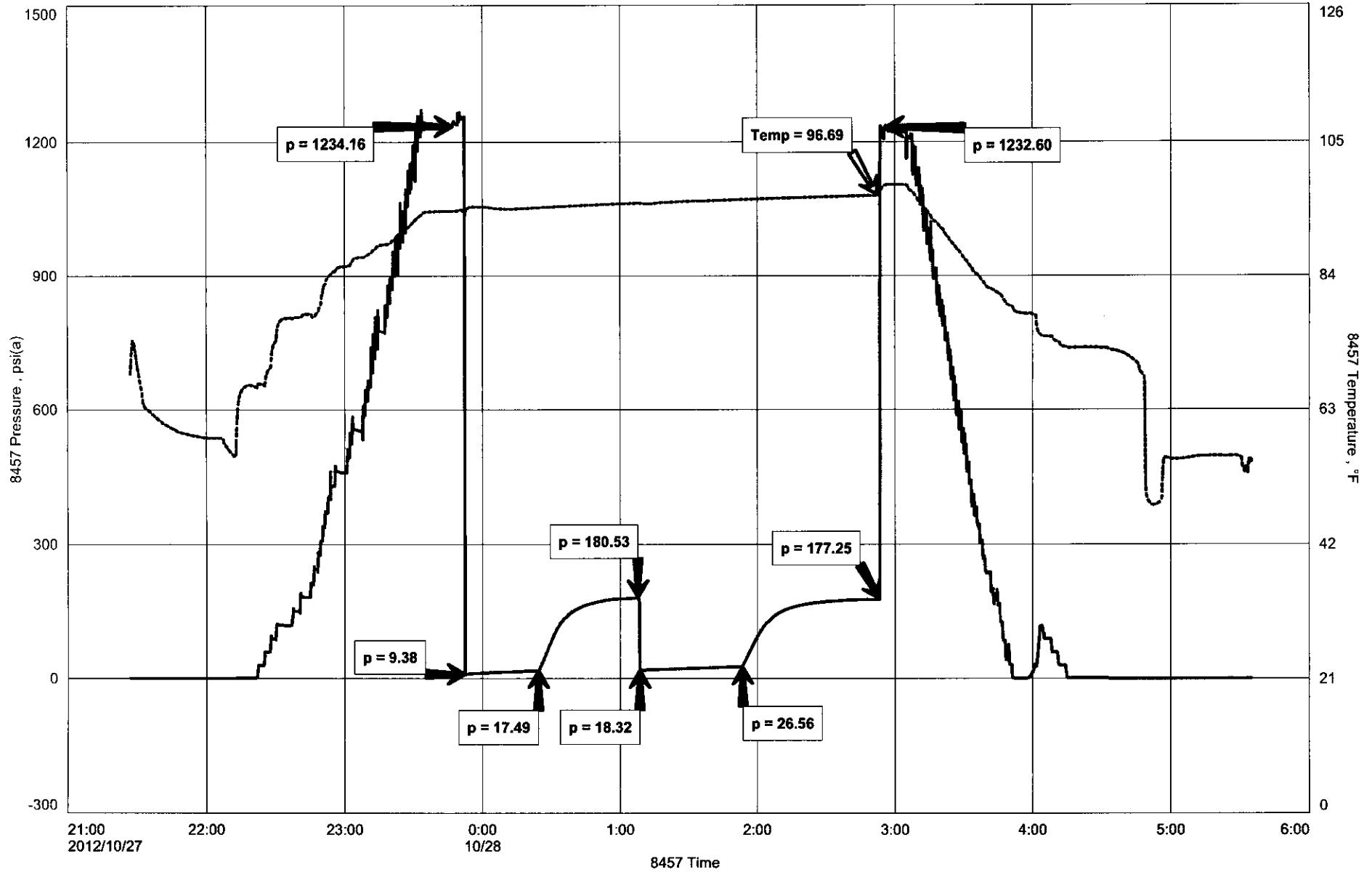
RECOVERED: 20' MUD

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: MKARBER1-28DST1

TIME ON: 21:27 10-27-12

TIME OFF: 05:36 10-28-12

Company BOP WEST, LLC Lease & Well No. M. KARBER #1-28
Contractor C&G DRILLING, INC. RIG #2 Charge to BOP WEST, LLC
Elevation 1285 KB Formation MISS./BURGESS SD. Effective Pay _____ Ft. Ticket No. T115
Date 10-27-12 Sec. 28 Twp. 16 S Range 1 W County SALINE State KANSAS
Test Approved By KEN WALLACE Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 2524 ft. to 2629 ft. Total Depth 2629 ft.
Packer Depth 2519 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2524 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 2505 ft. Recorder Number _____ 8457 Cap. _____ 10,000 P.S.I.
Bottom Recorder Depth (Outside) _____ 2626 ft. Recorder Number _____ 11030 Cap. _____ 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 42 Drill Collar Length 272 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 9.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,400 P.P.M. Drill Pipe Length 2221 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number JARS Test Tool Length 31 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. 63' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 1 INCH. (NOBB)
2nd Open: WEAK SURFACE BLOW THROUGHOUT PERIOD. (NOBB)

Recovered <u>20</u> ft. of <u>MUD</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>SPOTTY OIL, 100% MUD</u>	Total

Time Set Packer(s) 11:52 PM A.M. P.M. Time Started Off Bottom 2:52 AM A.M. P.M. Maximum Temperature 97 deg.
Initial Hydrostatic Pressure..... (A) 1234 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 181 P.S.I.
Final Flow Period..... Minutes 45 (E) 18 P.S.I. to (F) 27 P.S.I.
Final Closed In Period..... Minutes 60 (G) 177 P.S.I.
Final Hydrostatic Pressure..... (H) 1233 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.



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 35627

LOCATION Euicks

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8876

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-169-20344

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/23/12	1754	A. Karcher 28-1	28	166	14	Saline

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
BOP West LLC	445	Ogus		
	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/ek 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/ 370 sacks, 270 gal + 1/4" flocc/100 @ 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	375#	370 sacks	.74	277.50
11188	264#	270 gal	.21	55.44
1107	35#	1/4" flocc/100	2.35	82.25
5400	6.92	tan mileage built truck	1.34	927.28
			Subtotal	4625.27
			SALES TAX 7.3%	184.18
			ESTIMATED TOTAL	4809.45

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 mclay

PO Box 884, Chanute, KS 66720
620-431-8210 or 800-467-8876

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		

MAILING ADDRESS	CITY	STATE	ZIP CODE
P.O. Box 129	Wooster	OH	44691

JOB TYPE P.T.A. 0 HOLE SIZE 7 7/8 HOLE DEPTH 2637 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL. _____ WATER gal/ek _____ 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 Bathole
 20 SKS M. Holr
 115 SKS TOTAL

Thanks Russell mclay

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 Premix	12.55	1443.25
1118 B	400 #	6-1 4%	.21	84.00
5407A	4.95 Ton	100 miles Bulk Delv.	1.34	667.30
				3620.55
			SALES TAX	111.49
			ESTIMATED TOTAL	3732.04

Revin 3737

AUTHORIZATION [Signature] TITLE Drilgrd CTG 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.