

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34024
 Name: KAMC Oil & Gas LLC
 Address 1: 800 Henry Circle
 Address 2: _____
 City: Fruita State: CO Zip: 81521 + 2289
 Contact Person: Charles Bisbee
 Phone: (_____) _____
 CONTRACTOR: License # L & S Well Service 33374
 Name: Jim Lorenz
 Wellsite Geologist: Mark Brcheisen
 Purchaser: _____
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
 (Core, WSW, Expl., Cathodic, etc.)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: N/A
 Well Name: Loether 1Z
 Original Comp. Date: 8-08-08 Original Total Depth: 4217
 Deepening Re-perf. Conv. to Enhr. Conv. to SWD
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
8-8-08 8-11-08 8-27-08
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

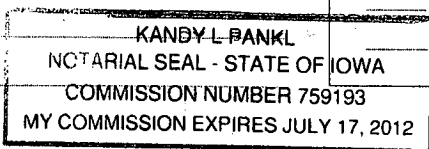
API No. 15 - 15-205-27596-0060
 Spot Description: Loether # 1Z
SE SW SE SE Sec. 2 Twp. T29 S. R. 14 East West
295' Feet from North / South Line of Section
910' Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: wilson
 Lease Name: Loether Well #: 1Z
 Field Name: _____
 Producing Formation: Barlesville
 Elevation: Ground: 889' Kelly Bushing: _____
 Total Depth: 1217 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at: 42' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: 850' (Feet)
 If Alternate II completion, cement circulated from: 42
 feet depth to: 0 w/ 12 ^{6x cm} Alt 2. Dig. 2/10/10

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: N/A
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Dale R. Erickson
 Title: Manager Date: 2-5-10
 Subscribed and sworn to before me this 05th day of FEBRUARY
 20 10
 Notary Public: Kandy L Bankl
 Date Commission Expires: 17 July 2012



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N Letter of Confidentiality Received **FEB 08 2010**

If Denied, Yes Date: _____ **CONSERVATION DIVISION WICHITA, KS**

Wireline Log Received

Geologist Report Received

UIC Distribution

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Operator Name: KAMC Oil & Gas LLC Lease Name: Loether Well #: 1Z
 Sec. 2 Twp. T29 S. R. 14 East West County: wilson

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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 checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run <i>(Submit Copy)</i>	<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
Surf	8 5/8"	8 5/8		42'		12	

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				

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

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TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: RECEIVED KANSAS CORPORATION COMMISSION
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

FEB 08 2010

**CONSERVATION DIVISION
 WICHITA, KS**

Geological Report

Loether #1-Z
295' FSL/910' FEL
Section 2, T29S-R14E
Wilson Co., KS

Operator: KAMC Oil & Gas LLC

Drilling Contractor: L&S Well Service, Jim Lorenz, driller. Ingersoll-Rand air rotary drilling w/auxiliary air compressor.

Wellsite Geologist: Mark Brecheisen – On location from 0' to T.D.

Dates Drilled: August 8th, 2008 – T.D.'D August 11th, 2008

Size Hole: 6 3/4"

Total Depth: 1217'

Elevation: 889'

Drilling Fluid: Compressed air with injected water

Surface Casing: 42' of 8 5/8" surface casing cemented to surface with 12 sacks cement.

Electric Logs Run: Gamma Ray, Neutron, Induction, Temperature and Density Logs.

Formation Tops: Formation tops were picked from the gamma ray, neutron and density logs

Status: Oil Well

Gas Shows:

Summit Shale	839 1/2'-841'	6mcf/day
Mulky Shale & Coal	852'-855 1/2'	9mcf/day
Weir Coal	1040 1/4'-1046 1/4'	14mcf/day

Oil Shows: Hertha Limestone @ 520 1/2'-523 1/2' & 549'-552'
Weiser Sandstone @ 678 1/2'-684'
Oswego Limestone @ 830'-833'
Bartlesville Sandstone @ 1080'-1099 1/2'

Water Encountered: 230', 315'-345', Started Injecting water after cutting the Stark Shale @ 433'-437'.

Notes: Well cuttings were examined at rig and discarded. Some samples of "zones of interest" were saved and examined with a binocular microscope and black light.

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Field and Laboratory Sample Examination

0'-225' Samples not examined.

225'-270' Shale, medium dark grey, soft/greasy, locally limey.

270'-271 ½' Shale, dark gray to black.

271 ½'-273 ½' Shale, medium dark gray, calcareous in part.

273 ½'-275 ½' Limestone, medium olive gray.

275 ½'-292' Shale, medium dark gray.

292'-308 ½' Limestone, medium brown to olive gray, fine crystalline, hard, dense sucrosic in part.

308 ½'-327' Shale, medium dark gray.

Top of the Kansas City Limestone @ 327' (& 562')

327'-433' Limestone, medium olive gray to medium brown, fine crystalline, slightly sucrosic, fossiliferous. Differential permeability throughout section – from very dense to sections with good inter-granular porosity. Slight formation water increase on Drill Joint # 12 (345', 375').

433'-437' Stark Shale, grayish black to black, carbonaceous, calcareous in part, >20% flat joint faces. Picked up enough water in Stark water injection commenced @ 465'.

437'-443' Canville Limestone, tan to olive gray, mottled, fine crystalline.

443'-452' Shale, medium to medium dark gray, sandy, micaceous.

452'-477 ½' Sandstone, medium dark gray, argillaceous in part, micaceous, fine grained, no petroliferous odor/show.

477 ½'-485' Hushpuckney Shale, medium dark gray.

485'-504' Limestone, olive gray to brown, mottled fine crystalline, sucrosic, areas of fair inter-crystalline porosity.

504'-517 ½' Shale, medium dark to dark gray, calcareous, and pyritic in part.

517 ½'-552' Hertha Limestone, description of two samples within the Hertha are as follows:
520 ½'-523 ½' Limestone, brownish gray to medium bluish, fine crystalline, hard, fairly dense with some vugular and fracture porosity, slight brown oil stain observed on flat fracture joints and in some vugs but no saturation within crystalline matrix; slight petroliferous odor to sample. 3% bright yellow hydrocarbon fluorescence, uneven poor milky blue cut, no residual oil to tray after cut. Petroliferous odor gone by 525'.
549'-552' Limestone, dark gray to olive gray, micaceous, sucrosic, fine crystalline with some inter-crystalline porosity; strong petroliferous odor on samples, 70% dull yellow mineral fluorescence, 10% to 15% mottled bright yellow hydrocarbon fluorescence. Slow, fairly even poor milky blue cut, no residual oil to tray after cut.

Gas Check @ 525'- Stark Test – 0" on ½" choke = 0mcf/day

552'-554' Shale, grayish black to black.

554'-558' Shale, black, very carbonaceous, >30% flat joint faces.

558'-565 ½' Shale, medium dark gray.

565 ½'-572' Limestone, tan to medium dark brown.

572'-582' Shale, dark gray.

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582'-592 ½' Shale, medium gray, slightly silty/sandy, micaceous, calcareous in part.
 592 ½'-601' Shale, medium dark gray.
 601'-604 ½' Shale, dark gray.
 604 ½'-624 ½' Lenapah Limestone, tan to medium olive gray, fine crystalline, slight druse on few samples.
 624 ½'-642' Shale, medium dark gray, locally limey.

Top of the Altamont Limestone @642' (247')

642'-653' Limestone, medium to dark olive gray, fine crystalline, very hard, sucrosic, mottled, fossiliferous poor inter-crystalline porosity.
 653'-655 ½' Shale-grayish black.
 655 ½'-678 ½' Shale, light to medium gray, locally micaceous/sandy.
 678 ½'-684' Weiser Sandstone, light gray, fine grained sub angular to sub rounded grains, good friability, good inter granular porosity, fair to good petroliferous odor in samples, traces of light brown oil stain on some rock samples, saturation appears mottled and poor at best, 45%-50% verigated bright yellow hydrocarbon fluorescence, slow to medium fast even fair milky blue cut, very slight residual oil show to tray after cut.
 684'-699' Sandstone, light gray, very laminated, no petroliferous odor/show.
 699'-754' Shale, medium dark gray, locally sandy/limey.

Gas check @ 706' – Weiser Test – 0" on ½" = 0mcf/day (very slight blow observed)

754'-757 ½' Limestone, dark brown, hard, dense, no porosity.
 757 ½'-758 ½' Mulberry Coal, vitrain coal, pyritic, calcite appearing in sheets on many joint faces.
 758 ½'-762' Shale, medium dark to dark gray, calcareous in part.

Top of the Pawnee Limestone @ 762' (+127')

762'-782 ½' Limestone, pinkish gray to medium olive gray, fine crystalline, sucrosic, some inter-crystalline porosity present.

Gas check @ 766' – Mulberry Test – 0" on ½" choke = 0mcf/day

782 ½'-784 ½' Lexington Shale, dark gray to grayish black.
 784 ½'-801 ½' Shale, medium dark to dark gray.
 801 ½'-807 ½' Peru Sandstone, light gray, fine grained, argillaceous.
 807 ½'-819 ½' Shale, medium dark gray.

Top of the Oswego Limestone @ 819 ½' (+69 ½')

819 ½'-836' Limestone, medium to dark brown, FX/N, massive, hard, fossiliferous, 830'-833' had fair petroliferous odor in samples. 10%-12% mottled bright yellow hydrocarbon fluorescence, medium fast fairly even milky blue cut. No residual oil to tray after cut.
 836'-839 ½' Shale, dark gray to grayish black.
 839 ½'-841' Summit Shale, grayish black to black.
 841'-843 ½' Shale, dark gray, calcareous.
 843 ½'-850 ½' Limestone, olive gray to medium brown.

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Gas Check @ 846' – Summit Test – 1" on ½" choke = 6mcf/day (all Summit)

850 ½'-852' Shale, grayish black.
852'-854 ½' Mulky Shale, black, carbonaceous, <10% flat joint faces.
854 ½'-855 ½' Mulky Coal, thinly bounded vitrain coal, some conchoidal fractures on individual rock samples. Calcite precipitation in between cleat surfaces on some samples, dull metallic to vitreous luster.
855 ½'-857' Shale, grayish black to dark gray.
857'-860' Limestone, medium to dark olive gray.

Gas Check @ 859' – Mulky Test – 6" on ½" = 15mcf/day (9mcf from Mulky)

860'-863' Shale, light gray.
863'-869 ½' Squirrel Sandstone, light to medium gray, fine grained, slight petroliferous odor, no show.
869 ½'-885' Shale, medium dark gray, locally limey.

Shut Down Rig for evening on 8/8/08 @ 17:45 hrs – 886' Deep.

Resume Drilling on 8/11/08 @ 09:45 hrs

Gas Check @ 886' – Squirrel Test – 15" on ½" choke = 15mcf/day-same

885'-910' Shale, dark gray, locally limey streaks.
910'-911' Bevier Coal.
911'-924 ½' Shale, medium gray.

Top of the Verdigris (Ardmore) Limestone @ 924 ½' (-35 ½')

924 ½'-925 ½' Limestone, dark brown, fine crystalline, very hard, fossiliferous, pyritic.
925 ½'-927' Shale, medium dark gray.
927'-928 ¼' Crowburg Shale, Black, Carbonaceous, slightly pyritic.
928 ¼'-928 ¾' Crowburg Coal.
928 ¾'-984 ¼' Shale, medium to medium dark gray, silty/sandy in part, locally limey.
984 ¼'-985 ½' Mineral Coal.
985 ½'-994 ½' Shale, medium dark gray.
994 ½'-995 ½' Scammon Coal.
995 ½'-1011' Shale, medium to medium dark gray, silty/sandy in part.

Gas check @ 1006' – Crowburg, Mineral, Scammon Test – 6" on ½" choke = 6mcf/day

1011'-1012 ½' Shale, grayish black to black, carbonaceous.
1012 ½'-1035 ½' Shale, Light gray, soft, greasy, turning slightly silty in few scattered lenses.
1035 ½'-1040 ¼' Shale, grayish black.
1040 ¼'- 1046 ¼' Weir Coal, thinly banded vitrain coal, very few conchoidal fractures, >80% flat cleat faces. Fusain present in numerous samples, dull metallic to vitreous luster. Excellent thickness for a coal.
1046 ¼'-1080' Shale, medium dark gray with scattered lime streaks.

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983 ¾' - 984 ¾' Mineral Coal.
 984 ¾' - 996' Shale, dark gray.
 996' - 1003' Lower Cattleman Sandstone, sand with interbedded dark gray shale, fine grained, friable to very friable, dark brown to gray. Low percentage of sand in sample, traces of black bitumen in some samples. Strong petroliferous odor, 60% variegated bright yellow hydrocarbon fluorescence. Slow, fairly even, fair milky blue cut. Faint residual oil show to tray after cut.
 1003' - 1011' Shale, dark gray, locally limey.

Gas check @ 1006' - Lower Cattleman Test - 3 ½" on ½" choke = 12mcf/day - same

1011' - 1016' Shale, dark gray to grayish black.
 1016' - 1033' Shale, light to medium gray, locally silty/sandy.
 1033' - 1038 ¼' Shale, grayish black, slightly pyritic.
 1038 ¼' - 1044' Weir Coal, thinly banded vitrain/characin coal, few conchoidal fractures. >65% flat cleat faces, slightly pyritic, dull metallic to vitreous luster. Had a definite increase in gas from the Weir coal when checked.
 1044' - 1059' Shale, medium to medium dark gray, few lime streaks present.

Gas check @ 1051' - Weir Test - 22" on ½" choke = 29mcf/day (17mcf from Weir)

1059' - 1087' Shale, medium dark gray with scattered sand lenses, few of which had a slight petroliferous odor. Two such samples were taken at the following depths:

- 1076' - 1078' Sandstone, fine grained, dark gray, fairly friable. Very argillaceous, very faint petroliferous odor w/traces of brown oil stain on few samples. 80% variegated dull yellow hydrocarbon fluorescence, no cut.
- 1082' - 1084' Sample mostly sandy shale. Sample had traces of medium brown oil stain on few surfaces, fine grained, friable, medium dark grayish color, very faint petroliferous odor. <3% variegated dull yellow hydrocarbon fluorescence, no oil cut.

Top of Bartlesville Sandstone @ 1087' (-200')

1087' - 1090' Sandstone, dark gray, fine grained. Friable, fair petroliferous odor, traces of dark brown oil stain on some rock surfaces. 70% variegated dull yellow hydrocarbon fluorescence, uneven, slow, poor milky blue cut. No residual oil show to tray after cut.
 1090' - 1092' Sandstone, medium dark gray, fine grained, fairly hard. Micaceous, faint petroliferous odor, fairly even, medium brown oil stain on some samples. Saturation is better than previous sample, but still differential. 8-12% variegated bright yellow hydrocarbon fluorescence. Very slow, uneven, poor milky blue cut, no residual oil to tray after cut.
 1092' - 1094' Sandstone, dark gray, fine grained. Fairly friable, faint petroliferous odor, traces of dark brown oil stain on surfaces of some samples. Sample overall is mostly shale, 15% variegated bright yellow hydrocarbon fluorescence. Slow, even, poor milky blue cut, no residual oil show to tray after cut.
 1094' - 1096' Sandstone, dark gray to dark brown. Fine grained, good friability, fair petroliferous odor, even dark brown oil stain on rock samples. Saturation is even throughout rock fragments. 90% variegated dull yellow & bright yellow

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Top of Bartlesville Sandstone @ 1080' (-191)

1080'-1099 ½'

A detailed description of two foot drilled samples will follow after a few observations: No visible free oil was observed in samples while washing them, while examining individual cuttings no oil was observed "popping out" of the individual rock fragments, a very slight rainbow sheen was observed on only a few sample fragments. No oil was observed on the drilling pit.

- 1080'-1082' Good petroliferous odor in sample. Slight gray to medium brown, fine grained, fairly hard, very micaceous. Mottled brown oil stain observed on some samples. 35%-40% variegated/some even dull yellow hydrocarbon fluorescence. Slow, fairly even, fair milky blue cut. No residual oil show.
- 1082'-1084' Good petroliferous odor in sample, fine grained, medium brown to medium gray, fairly friable. Good, mostly even brown oil stain on most of the samples. 80% variegated to even bright yellow hydrocarbon fluorescence. Slow, fairly even, fair milky blue cut. Faint residual cut to tray.
- 1084'-1086' Strong petroliferous odor in sample; fine grained. Even, strong brown oil stains on most samples. Good friability, 90% bright yellow hydrocarbon fluorescence. Fast, even, good MBC. Fair residual oil show to tray after cut.
- 1086'-1088' Fair petroliferous odor in sample, medium gray to light brown. Fine grained, fairly hard. Less micaceous than previous samples, sand visibly lighter in color. 20% mostly even bright yellow hydrocarbon fluorescence. Fast, even, fair milky blue cut. Faint residual oil show to tray after cut.
- 1088'-1090' Faint petroliferous odor in sample. Fine grained, very friable. Excellent inter granular porosity. Light brown oil stain observed on very few samples. <1% variegated bright yellow hydrocarbon fluorescence. No cut.
- 1090'-1092' Good petroliferous odor in sample. Tan to medium dark gray, fine grained. Good friability, good intergranular porosity. Most brown oil stain observed in some samples. 10% variegated, dull to bright hydrocarbon fluorescence. Uneven, fair, milky blue cut. No residual oil show to tray.
- 1092'-1094' Good to strong petroliferous odor in sample, mottled to even brown oil stain on many samples. Fine grained, good friability. 80% variegated bright yellow hydrocarbon fluorescence. Fast, even, strong milky blue cut. Very faint residual oil show.
- 1094'-1097' Good petroliferous odor in sample. Even brown oil stain on most samples. Fine grained, fair friability, very micaceous. 65% mostly even bright yellow hydrocarbon fluorescence. Fast, even, strong milky blue cut. Very faint residual oil.
- 1097'-1099' Fair to good petroliferous odor in sample. Even brown oil stain on most samples. Fine grained, excellent friability. 50% even, bright yellow hydrocarbon fluorescence. Even, fair, milky blue cut. Very faint residual oil.
- 1099'-1102' Fair petroliferous odor in sample. Mottled, even brown oil stain on some samples. Fine grained, excellent friability. 35%-40%

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variegated, dull bright yellow hydrocarbon fluorescence. No residual oil show to tray.

- 1102'-1105' Faint petroliferous odor in sample, medium dark gray. Fine grained, fairly friable, sample consists of sand, laminated sand (20/60/20) and shale. 20%-25% variegated dull yellow hydrocarbon fluorescence. No oil stain observed on samples. Slow, uneven, poor milky blue cut. No residual oil in tray after cut.

1105'-1112'
1112'-1117'
1117'-1123'
1123'-1164'

Shale, dark gray, laminated.
Shale, medium dark gray, locally limey.
Shale, light greenish gray, soft greasy.
Shale, medium dark to dark gray. Silty in part, locally limey.

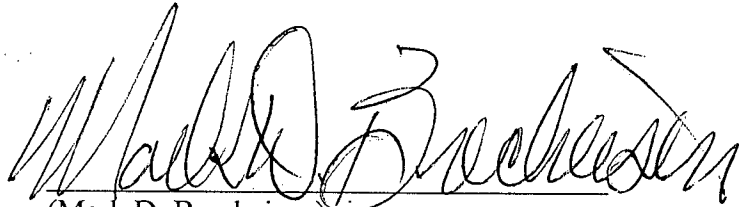
Gas Check @ 1127' – Bartlesville Test – 10" on ½" choke = 20mcf/day (14 mcf increase)

Top of the Mississippian @ 1164' (-275')

1164'-1217'

Shale (60%), medium dark gray. Chert (30%), chalky to medium brown. Tripolitic texture. Limestone (10%), tan to medium brown, fine crystalline, no visible porosity, <2% dull yellow mineral fluorescence. No petroliferous odor/show. No hydrocarbon fluorescence.

T.D. @ 1217'



(Mark D. Brecheisen)

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