

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 3421
Name ... Simons Energy Corporation
Address 6464 South Quebec
Englewood, Colorado 80111
City/State/Zip

Purchaser... N/A

Operator Contact Person Jerry Simons
Phone ... 303/796-9083

Contractor: License # 5840
Name ... Brandt Drilling Co., Inc.

Wellsite Geologist... Ray Wemeyer
Phone... 303/771-6364

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp Abd
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

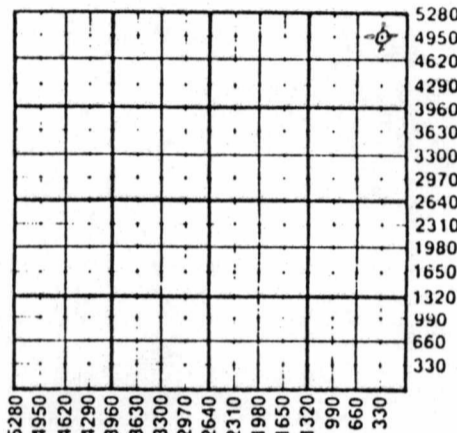
- Mud Rotary Air Rotary Cable

6-24-87 7-5-87 7-6-87
Spud Date Date Reached TD Completion Date
4475' 384'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at... feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt

S API NO. 15-191-21-998-0000
County... Sumner
NE. NE. NE. Sec. 9... Twp 34S Rge. 1... East West
4950 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name... WALCHER Well #... 1
Field Name.....
Producing Formation... N/A
Elevation: Ground... 1170' KB... 1175'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #.....
 Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West
 Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain) hauled from nearby pond
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.
Information on 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 drillers time log shall be attached with this form. 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 *J. Simons - President*
Title..... Date 7-21-87

Subscribed and sworn to before me this 21st day of July 1987
Notary Public... Betty Simons
Date Commission Expires Feb. 5, 1989

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
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Form ACO-1 (7-84)

JUL 27 1987

CONSERVATION DIVISION
Wichita, Kansas

Sec. 9, Twp 34 Rge. 1C

Operator Name Simmons Energy Corporation Lease Name WALCHER Well # 1

Sec. 9 Twp. 34S Rge. 1 East West County Sumner

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name Top Bottom

CASING RECORD <input checked="" 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
Surface	12 1/4	8-5/8	20 & 23#	394'	60-40 Poz	210	3% CaCl 2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled



Operator Name Simmons Energy Corporation Lease Name WALCHER Well # 1

Sec. 9 Twp. 34S Rge. 1 East West County Sumner

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No

Formation Description Log Sample

DST No 1
Miss 4010'-4022', 15, 30, 60, 120
GTS in 11 min. 2nd open FRO 121 MCF/D Rec. 15' GM,
IHP=1966, 15" IFP=57-57 30" ISIP=1682, 60" FFP=57-47
120" FSIP=1682 FHP=1956.

DST No 2
Miss 4050'-4120, straddle, 15", 30", 60", 120",
IHP=2072, IFP=102-153, ISIP=1782, FFP=193-224
FSIP=1802, FHP=2052. Rec 240' GM, 180' GMW
CL. wtr=22000ppm.

Name	Top	Bottom
Heebner Shale	2497	2508
Stalnaker SD	2580	2910
Layton SD	3280	3292
KC	3346	3554
BCK	3554	
Marmaton	3622	3710
Cherokee	3768	3778
Miss	4004	4349
Kinderhook	4349	4382
Woodford SH	4382	4412
Simpson SD	4412	4475

see attachment pages

CASING RECORD New 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
Surface	12 1/4	8-5/8	20 & 23#	384'	60-40 Poz	210	3% CaCl 2% Gal

PERFORATION RECORD
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 Production | Producing Method Flowing Pumping Gas Lift Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION | Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) Dually Completed Commingled

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UNLAGGEDSAMPLE DESCRIPTIONS

<u>DEPTH</u>	<u>FORMATION</u>	<u>DESCRIPTION</u>
2450-2460'		Shale, medium to dark gray, blocky, in part subsplintery, dolomitic to slightly calcareous, pyritic. Limestone, off white to very light gray, some buff, micro-crypto-crystalline, moderately hard trace fossil debris, dense, nil porosity,
2460-2500'		Shale medium gray, blocky, slightly calcareous, pyritic, minor inclusions anhydrite.
2500-2520'		Shale, medium gray, blocky, slightly calcareous. Limestone, off white, very light gray, some buff, tan, crypto-crystalline, moderately hard, dense.
2520-2530'		Shale, medium gray as above. Limestone, as above, decreasing. Shale, trace, black, fissile.
2530-2550'	<u>HEEBNER</u>	Shale, medium gray, as above. Limestone, as above, trace fossils. Shale, black, carbonaceous, sft.
2550-2560'		Shale, medium, blocky, slightly calcareous. Limestone, off white (increasing), crypto-crystalline, moderately hard, dense. Shale, brownish red, silty, firm, blocky.
2560-2580'		Shale, medium gray, decreasing, as above. Limestone, off white, very light gray, some buff, tan, crypto-crystalline, moderately hard, dense. Shale, red, blocky to nacky, moderately hard.
2580-2600'		Limestone, off white, very light gray, buff, crypto-crystalline, firm to moderately hard, dense. Shale, gray as above. Shale, red, as above.
2600-2660'	<u>Amazonia Ls.</u>	Limestone, off white, cream, in part fossiliferous, moderately hard, micro-crystalline. Shale, gray, red, firm, in part silty, blocky.
2660-2700'		Shale, gray, soft to firm, non-calcareous, blocky. Shale, red, firm, blocky Shale, greenish gray, firm blocky.
2700-2760'		Sand, white, fine grain, angular to subangular, moderately well sorted, calcareous, friable, poor to fair porosity, no show. Shale, gray, as above. Shale, red, as above.

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- 2760-2780' Limestone, buff, some cream, crypto-crystalline, pelletoidal, fossiliferous, moderately hard, dense, nil porosity.
Shale, gray to dark gray, firm, in part moderately hard, blocky, pyritic.
- 2780-2870' Shale, gray, in part silty, in part slightly calcareous, soft to firm, in part moderately hard, blocky.
- 2870-2900' Sand, very light gray to white, fine grain, some medium grains, subangular to subround, moderately well sorted, moderately well cemented, calcareous, tite, no show.
Shale, gray, as above.
- 2900-2908' Stalnaker
Circulated out
- 10 minutes to 30 minutes Sand, very light gray to white, fine grain, subangular to subround, moderately well sorted, becoming very fine to fine grain, friable, in part with fine carbonaceous specks, poor porosity, now show.
Shale, gray, in part very silty, soft to firm, blocky, slightly calcareous.
- 2908-3020' Sand, very light gray to white as above, becoming fine to medium downward, rare very fine to silt size, moderately sorted, moderately cemented, friable, calcareous.
Shale, medium gray, in part silty, soft to firm.
Shale(trace), very dark gray to black, subsplintery, firm to moderately hard.
- 3020-3230' Shale, medium to dark gray, blocky, moderately compacted, in part subsplintery, brittle, locally grades to siltstone, firm.
Shale, (rare), gray green, blocky, firm.
- 3230-3240' Shale, medium to dark gray, as above.
Shale, (trace), black, carbonaceous, soft.
Chert, brown, conchoidal fracture, hacky, hard.
- 3240-3290' Shale, medium to dark gray, as above.
Shale, red brown, hacky, soft to hard.
Shale, brown, angular, soft to firm.
Shale, black carbonaceous, soft to firm.
- 3290-3360' LAYTON
Sand, white, fine to medium grain, some very fine, subangular to subround, fair sorting, moderately cemented to friable, calcareous, rare glauconite, very poor porosity, no show.
Sand, white to very light gray, very fine to fine grain, some medium grains, generally as above, tite, no show, in part grades to siltstone.

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Shale, light to medium gray, silty, slightly calcareous, inpart salt and pepper.
Shale, (locally), black, firm, blocky, silty, carbonaceous.
Limestone, very light gray to buff, inpart very finely sandy, dense, poor porosity, no show.

3360-3430' KANSAS CITY

Limestone, buff to tan, inpart pelletoidal, inpart chalky, moderately hard to hard, dense.
Limestone, brown to buff, crypto-crystalline, moderately hard to hard, dense.
Limestone, very light gray, inpart chalky, pelletoidal, rare micro-fossils, moderately hard.
Shale, medium to dark gray rarely black, soft to firm, blocky.

3430-3470'

Shale, medium to dark gray, moderately hard, moderately compacted, blocky.
Limestone, buff to tan, pelletoidal, hard, dense.

3470-3490'

Limestone, light gray to gray, subchalky, firm to moderately hard, dense.
Limestone, buff to tan, as above.
Shale, medium to dark gray, moderately compacted, blocky.
Shale, red brown & green mottled, hacky, blocky, moderately hard.

3490-3500'

Shale, medium gray, moderately compacted, firm to moderately hard, slightly carbonaceous.
Shale, brownish gray, subsplintery, well compacted, hard.
Sand (trace), very light gray, fine grain, moderately well to well sorted, calcareous, scattered very fine black inclusions, mil porosity.

3500-3520'

Limestone, buff to light gray, some brownish gray, inpart pelletoidal, micro-crystalline, dense, hard.
Shale, medium gray, firm, blocky, poor to moderately compacted.
Shale, brownish red to red, moderately well compacted.

3520-3530'

Limestone, light gray, buff, tan generally as above.
Limestone, very light gray, pelletoidal to oolitic, moderately hard, poor to fair porosity.

3530-3570' BASE KANSAS CITY

Limestone, buff to very light brown, some tan, crypto-crystalline, inpart pelletoidal, hard, dense.

Shale, medium to dark gray black, carbonaceous, inpart, subcompact.

3570-3600'

Limestone, buff, pelletoidal, questionable oolites, crypto-crystalline, hard dense.

- Limestone, very light gray, subchalky to chalky, very soft.
 Shale, medium to dark gray, blocky, moderately hard.
 Shale, black, carbonaceous, firm
 Shale (trace), red brown, firm, subsplintery.
- 3600-3640' Shale, medium gray, blocky, moderately hard.
 Shale, very dark gray to black, soft to firm, in part carbonaceous.
 Shale, red brown, blocky, hacky, moderately well compacted.
- 3640-3680' MARMATON Limestone, cream to tan, crypto-crystalline, hard, dense.
 Limestone, buff to light tan, crypto-crystalline, trace fossil debris, moderately hard.
 Limestone, gray, crypto-crystalline to subchalky, moderately hard, dense.
 Shale, medium to dark gray, blocky, moderately hard.
 Shale, black, carbonaceous, firm.
- 3680-3700' Limestone, buff to light gray, some white, subchalky to crypto-crystalline, moderately hard, dense.
 Shale, medium gray, as above.
- 3700-3710' Limestone, white to very light gray, subchalky, moderately hard, dense.
 Limestone, buff to gray tan and gray brown mottled, crypto-crystalline, in part pelletoidal.
- 3710-3720' Limestone, buff to gray tan, generally as above.
 Shale, light green, subwaxy, firm to moderately hard.
- 3720-3740' Limestone, white to very light gray, subchalky, moderately hard, dense.
 Limestone, buff, micro-to crypto-crystalline, in part re-crystallized, slightly fossiliferous, hard.
 Shale, medium to dark gray, moderately compacted, blocky, in part subsplintery.
 Shale, black, carbonaceous, firm.
- 3740-3770' Limestone, buff to light tan, crypto-crystalline, hard, dense.
 Shale, medium to dark gray, blocky, subcompact.
 Shale, black, carbonaceous, firm.
- 3770-3780' CHEROKEE Limestone, buff, white, subchalky in part, dense.
 Shale, black, soft, poorly compacted, carbonaceous, pyritic.
- 3780-3800' Limestone, buff, cryptocrystalline, hard, dense.
 Shale, medium to dark gray, blocky, subcompact.

- 3800-3810' Shale, black, carbonaceous, soft, poor compacted.
Shale, medium to dark gray, blocky, moderately compacted.
- 3810-3850' Limestone, buff, crypto-crystalline, hard, dense.
Limestone, white, chalky, in part fossiliferous.
Shale, dark gray black to black, carbonaceous, firm to moderately compacted.
- 3850-3870' Shale, light to medium gray, silty, moderately hard.
Shale, black, soft to firm, moderately compacted, carbonaceous.
Limestone buff, light brown, crypto-crystalline, hard, dense
- 3870-3910' Shale, medium gray, silty, moderately compacted.
Shale, red brown mottled green, firm, blocky.
Shale, black, firm carbonaceous.
Shale, brownish gray, blocky, silty, fine carbonaceous specks.
- 3910-3930' Shale, medium gray, as above,
Shale, brownish gray, blocky, moderately compacted.
Shale, greenish gray, hard, blocky, subwaxy.
Limestone, gray, crypto-crystalline, in part subchalky, blocky, hard, dense.
Shale, black, carbonaceous, firm.
- 3930-3950' Shale, medium gray, as above.
Shale, gray green to green, blocky, moderately compacted, hard.
Shale, red brown, blocky, well compacted, hard.
Shale, black, carbonaceous, firm.
- 3950-3980' Limestone, buff to tan, crypto-crystalline, hard, conchoidal fracture, dense.
Limestone, cream, subchalky, soft to firm.
Shale, gray to gray brown, blocky moderately hard to hard.
Shale, red brown, blocky, moderately compacted.
Shale, black, carbonaceous, firm.
- 3980-4000' Limestone, buff to gray, crypto to micro-crystalline, hard, dense.
Limestone, cream, micro to crypto-crystalline, hard, dense.
Shale, gray green, blocky, moderately compacted.
Shale, red brown to brown, as above.
Shale, black, carbonaceous, firm.
- 4000-4010' Limestone, buff, soft, water soluble, subchalky.
Limestone, gray brown to brown, in part mottled, crypto-crystalline, hard, dense.
Shale, gray, blocky, moderately compacted.
Shale, black, carbonaceous, firm.
- 4010-4020' Limestone, mottled light and dark gray, blocky,

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hard, dense.
Limestone, buff, as above.
Limestone, brown, crypto-crystalline, hard dense.
Shale, brownish gray, blocky, moderately hard,
in part water soluble.

Drilling break at 4009-4016. Circulated out. Gas increased 110 units.

10 minutes MISSISSIPPIAN Limestone, tan to light brown, trace buff, crypto-crystalline to micro-crystalline, moderately hard, dense, no visible porosity, no stain, cut or fluorescence.
Chert, gray, very light gray, smoky, gray brown, conchoidal fracture, very hard.

20 minutes Limestone, as above.
Chert, as above.

4020-4050' Limestone, cream to buff, subchalky, moderately hard, dense, very poor to nil porosity, no show.
Limestone, brown, crypto-crystalline, hard dense, nil porosity, no show.
Chert (trace), smoky, very hard.

4050-4070' Limestone, brown, crypto-crystalline, hard, dense.
Limestone, buff and mottled buff and tan, sub-chalky, hard dense, nil porosity.
Chert, light gray, smoky, green, brown, very hard.

4070-4080' Limestone, brown, crypto-crystalline, hard dense, nil porosity
Limestone cream to buff, subchalky, moderately hard dense, nil porosity.
Shale, greenish gray, blocky, well compacted.
Chert (trace), light brown, very rare green.

4080-4107' Limestone, brown, as above.
limestone, gray brown, crypto-crystalline, hard dense, nil porosity.
Chert (increasing), white, very light tan, brown, gray tan, very hard.

Circulate out drilling
break 4080-4107'
10 minutes Limestone, brown, as above.
Chert, as above.

20 minutes Limestone, brown, crypto-crystalline, hard, dense, nil porosity, no show.
Chert (abundant), white, brown, light gray tan.
Shale (trace), black, carbonaceous.

30 minutes Limestone, brown, as above.
Chert, as above.

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Wichita, Kansas

- 4107-4110' Limestone, brown, subchalky to crypto-crystalline, hard, dense.
Chert, white, light gray, gray tan.
- 4110-4210' Limestone, brown, as above, in part becoming siliceous.
Limestone, buff to tan, subchalky, moderately hard, dense.
Shale, gray, gray brown, becoming brown, hard well compacted.
Chert, white, brown, gray very hard.
Shale, black, carbonaceous, firm.
- 4210-4230' Limestone, brown, as above.
Limestone, buff, as above.
Shale, medium to dark gray, blocky to sub-splintery, moderately well compacted.
Shale, brown, subsplintery to splintery.
Shale, red brown to red, sub-blocky, moderately compacted.
Chert, brown, gray brown, very hard.
Shale, very dark gray to black, subsplintery, moderately well to well compacted, carbonaceous.
- 4230-4290' Limestone, brown, crypto-crystalline, in part siliceous, locally finely crystalline, hard, dense.
Limestone, buff, as above.
Shale, brown, cherty, hard
Chert, brown, smoky, very hard.
Shale, black, carbonaceous, firm to moderately hard.
- 4290-4320' Limestone, buff to light brown, finely crystalline, in part glauconitic, moderately hard to hard, dense.
Limestone, brown, finely crystalline, hard, dense.
- 4320-4340' Limestone, brown, finely crystalline, hard, dense.
Limestone, buff, finely crystalline, moderately hard to hard, dense.
Shale, brown well compacted, subfissile to fissile, hard.
Sand(trace), loose quartz grains.
- 4340-4360' Limestone, brown, very fine to fine crystalline, cherty, argillaceous.
Shale, gray, moderately well to well compacted, subsplintery.
Shale, black, carbonaceous firm to moderately hard.
Limestone, very light gray, crypto-crystalline to subchalky, hard, dense.
- 4360-4390' RINDERHOOK Shale, brown to dark brown, moderately well to well compacted, moderately hard.

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Limestone, very light gray, as above.
Shale, black, carbonaceous, moderately
compacted.
Shale (trace), green, subwaxy, firm

4390-4420' WOODFORD

Shale, dark brown to very dark brown, blocky,
in part splintery, in part carbonaceous, well
compacted, hard.
Shale, black, carbonaceous, firm to moderately
hard.
Limestone (trace), white, micro-crystalline,
hard, dense.

4420-4465' SIMPSON

Sand, clear to opaque to white, some brown,
and mottled, fine grain, moderately well to
well sorted, subangular to subround, moderately
cemented to friable, dolomitic to calcareous,
poor to nil porosity, very rare light yellow
fluorescence, questionable very spotty residual
oilstain, no cut.
Shale, very dark brown, as above.
Shale, black, carbonaceous.
Shale (trace), green, subwaxy.

4465-4475'

Sand, mottled white and brown, as above, possible
brown residual oilstain.
Sand, brown, fine, grain, subangular to subround,
moderately well sorted, moderately cemented to
friable. low to nil porosity, questionable
residual oilstain, no fluorescence or cut,
abundant loose fine quartz grains, rare coarse
grains.
Shale, dark brown, as above.
Shale (trace), green, subwaxy.

Circulated out
at 4475'
10 minutes

Shale, gray, blocky, moderately compacted.
Shale, dark brown, as above.
Sand (trace), white as above. Decrease in
loose quartz grains.

20 minutes

Shale, dark gray, moderately well compacted.
Shale, dark brown, as above.
Sand, gray to brown, fine grain, subangular to
subround, moderately well sorted, scattered dark
inclusions, poor porosity, questionable residual
oilstain, no fluorescence, no cut.

30 minutes

Shale, dark brown, moderately well compacted.
Shale, gray brown, moderately well compacted,
subsplintery, hard.
Sand (trace), clear, brown, as above.
Common loose, very fine to coarse quartz grains,
subangular to subround.

RECORDED
STATE DEPARTMENT OF GEOLOGICAL SURVEY
WICHITA, KANSAS

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