

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

9/22/09

Operator: License # 3293  
Name: Russell Oil Inc  
Address: PO BOX 1469  
City/State/Zip: Plainfield, IL 60544  
Purchaser: NA  
Operator Contact Person: LeRoy Holt  
Phone: ( 815 ) 609-7000  
Contractor: Name: H2 Drilling LLC  
License: 33793  
Wellsite Geologist: Steve Angle

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CONSERVATION DIVISION  
WICHITA, KS

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

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If Workover/Re-entry: Old Well Info as follows:  
Operator: KCC  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

6/26/2008      7/7/2008      7/7/2008  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 109-20815-0000  
County: Logan  
NW SE NE Sec. 28 Twp. 15 S. R. 34  East  West  
1670 feet from S / N (circle one) Line of Section  
1010 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: McDaniel M Well #: 1-28  
Field Name: Wildcat

Producing Formation: NA  
Elevation: Ground: 3028' Kelly Bushing: 3041'  
Total Depth: 4800 Plug Back Total Depth: 4801'  
Amount of Surface Pipe Set and Cemented at 229 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 PA NH 12 11 08  
(Data must be collected from the Reserve Pit)  
Chloride content 31000 ppm Fluid volume 525 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
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: Paul L. Hunt  
Title: Executive ASST Date: 9/24/08  
Subscribed and sworn to before me this 24th day of September  
2008  
Notary Public: Ayanna Miller  
Date Commission Expires: Jan 22, 2011

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received

OFFICIAL SEAL UIC Distribution  
AYANNA MILLER  
Notary Public - State of Illinois  
My Commission Expires Jan 22, 2011

Operator Name: Russell Oil Inc Lease Name: McDaniel M Well #: 1-28  
 Sec. 28 Twp. 5 S. R. 34  East  West County: Logan

**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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 see attached geologist report

List All E. Logs Run:  
 borehole compensated sonic; computer processed  
 inter.; dual induction log; dual compensated porosity;  
 micro-sensitivity

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CONSERVATION DIVISION  
 WICHITA, KS

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"	23	229	common	165	6% cc, 3 % gel

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 (Amount and Kind of Material Used)	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease    Open Hole    Perf.    Dually Comp.    Commingled  
 (If vented, Submit ACO-18.)    Other (Specify)

# ALLIED CEMENTING CO., LLC. 31537

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Oakley, KS

RECEIVED  
BY: JUL 07 2008

DATE <u>6/27/08</u>	SEC. <u>28</u>	TWP <u>15</u>	RANGE	CALLED OUT	ON LOCATION <u>6:45 pm</u>	JOB START <u>3:00 am</u>	JOB FINISH <u>3:30 am</u>
LEASE <u>McDaniels M.</u>	WELL # <u>1-28</u>	LOCATION	LOCATION <u>Oakley S. To Fairleigh Ranch Sign, W To Rd 320</u>			COUNTY <u>Logan</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one) <u>NEW</u>				S. 1 mile well, 11/2, 11/2			

CONTRACTOR H2 Drilling

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 5/8 DEPTH 227'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 FT

PERFS.

DISPLACEMENT 13 1/2 BBL

OWNER Same

CEMENT

AMOUNT ORDERED 165 cum 20 gal 2000 gal

COMMON	<u>165 SKs</u>	@ <u>15.45</u>	<u>2549.25</u>
POZMIX		@	
GEL	<u>3 gals</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE	<u>6 SKs</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	

**EQUIPMENT**

PUMP TRUCK CEMENTER Alan

# 422 HELPER Wayne

BULK TRUCK

# 347 DRIVER Wil

BULK TRUCK

# DRIVER

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HANDLING	<u>174 SKs</u>	@ <u>2.40</u>	<u>417.60</u>
MILEAGE	<u>1045K/mile</u>		<u>765.00</u>
TOTAL			<u>4144.05</u>

**REMARKS:**

Cement D.R. Circulate

Thank You  
Alan Wayne,  
Wil

**SERVICE**

DEPTH OF JOB	<u>230'</u>	<u>1018.00</u>
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE	<u>44</u>	@ <u>7.00</u> <u>308.00</u>
MANIFOLD	<u>Surface Head</u>	@ <u>113.00</u>
TOTAL		<u>1439.00</u>

CHARGE TO: Russell Oil

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>8 7/8 Wooden Plug</u>	@	<u>68.00</u>
	@	
	@	
	@	
TOTAL		<u>68.00</u>

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Wesley P. P. P.

SIGNATURE [Signature]



GEOLOGICAL REPORT

RUSSELL OIL, INC.

MCDANIEL "M" NO. 1-28

1670' FNL; 1010' FEL

28-15S-34W

LOGAN COUNTY, KANSAS

API NO. 15-109-20815-0000

Commenced: June 26, 2008

Completed: July 7, 2008

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KANSAS CORPORATION COMMISSION

**SEP 29 2008**

CONSERVATION DIVISION  
WICHITA, KS

Russell Oil, Inc.  
P.O. Box 1469  
Plainfield, Il. 60544

Re: Russell Oil, Inc.  
McDaniel "M" No. 1-28  
1670' FNL; 1010' FEL  
28-H5S-34W  
Logan, County, Kansas

Dear Sir:

The following is a Geological Report with a Time Log attached on the above captioned well.

Drilling was supervised from 2600' to 4800', rotary total depth. Samples were examined from 2600' to 4800', rotary total depth.

All formation tops, zones of interest, porosity and staining are based on rotary bushing measurements. Any corrections in measurements during the drilling of this well have been incorporated into this report.

Elevation

3028 GL -- 3041 KB

Log Tops

Anhydrite -----	2391'	to 2410'	+ 650	to + 631
Herington -----		2734'	+ 307	
Winfield -----		2773'	+ 268	
Wreford -----		2993'	+ 48	
Neva -----		3197'	- 156	
Red Eagle -----		3260'	- 219	
Tarkio Lime -----		3523'	- 482	
Howard -----		3630'	- 583	
Topeka -----		3655'	- 614	
Heebner -----		3886'	- 845	
Toronto -----		3904'	- 863	
Lansing/Kansas City -----		3930'	- 889	
Stark Shale -----		4256'	-11215	
Base/Kansas City -----		4316'	-11275	
Marmaton -----		4341'	-11300	
Pawnee -----		4421'	-11380	
Myric Station -----		4458'	-11417	
Fort Scott -----		4475'	-11434	
Cherokee Shale -----		4501'	-11460	
Basal Pennsylvanian Sand -----		4665'	-11624	
Mississippi -----		4713'	-11672	
Rotary Total Depth -----		4800'	-11759	
Log Total Depth -----		4801'	-11760	

(continued)

Russell Oil, Inc.  
P.O. Box 1469  
Plainfield, Il. 60544

Re: Russell Oil, Inc.  
McDaniel "M" No. 1-28  
1670' FNL; 1010' FEL  
28-15S-34W  
Logan, County, Kansas

Structurally, on top of the Lansing/Kansas City, the Russell Oil, McDaniel "M" No. 1-28 ran 10' low to the Cities Service, McDaniel "B" No. 1 located approximately 720' to the southwest.

On top of the Cherokee Shale, the Russell Oil, Inc., McDaniel "M" ran 7" low to the Cities Service McDaniel "B" No. 1.

Russell Oil, Inc.  
P.O. Box 1469  
Plainfield, Il. 60544

Re: Russell Oil, Inc.  
McDaniel "M" No. 1-28  
1670' FNL; 1010' FEL  
28-15S-34W  
Logan, County, Kansas

Log-Tech logs of Borehole Compensated Sonic, Dual Compensated Porosity and Dual Induction.

Due to the low structural position and negative drill stem tests, the Russell Oil, Inc. McDaniel "M" No. 1-28 was plugged and abandoned a dry hole.

Sincerely,

  
Steven D. Angle



Russell Oil, Inc.  
P.O. Box 1469  
Plainfield, Il. 60544

McDaniel "M" No. 1-28  
1670' FNL; 1010' FEL  
28-15S-34W  
Logan County, Kansas

ZONES OF INTEREST

Note: All oil shows and odors are denoted with an asterisk (\*). Samples only showing florescence are not.

2621 to 2629	Tan dense and tan sucrosic crystalline limes.
2629 to 2638	White and tan dense and fine crystalline limes.
2638 to 2646	Light green and glauconitic sand clusters and white dense limes.
2646 to 2659	White and light tan to tan dense to crystalline limes.
2659 to 2671	Varied colored shales and scattered angular clear quartz sand grains.
2671 to 2680	Varied colored shales and sucrosic crystalline white limes.
2680 to 2692	Tan sandy limes and varied colored shales.
2700 to 2710	Light grey, very fine fairly soft sandy lime.
2710 to 2729	White fine crystalline limes and soft fine sandy shales.
<u>HERINGTON (Top @ 2734)</u> 2734 to 2737	White dolomite.
2734 to 2447	White crystalline dolomite.
2747 to 2755	Tan dolmitic sand and tan dolmitic limes.

WINFIELD (Top @ 2763)

2763 to 2772	White sandy dolomitic limes.
2772 to 2882	White fine sandy dolomite.
2782 to 2797	Varied colored shales and scattered white dolomitic limes.
2797 to 2808	White, tan, brown dolomite and dolmitic sand clusters.
2808 to 2814	Tan dolomitic, silty limes.
2814 to 2822	White dolomitic limes.
2822 to 2835	White to light tan dolomitic limes.
2835 to 2844	Varied colored shales and a few white dolomitic limes.
2844 to 2853	A few tan, slightly vuggy, dolomitic limes.
2853 to 2861	White, sandy, dolomitic limes and tan, silty, loose sand clusters.
2861 to 2882	Varied colored shales and a few scattered fine grained brown and white sand clusters.
2882 to 2896	Light tan, weathered limes, and fossiliferous limes, scattered pinpoint and slightly vuggy porosity and slightly vuggy dolomitic limes.
2896 to 2905	Dark tan with black fossils dolomitic limes.
2905 to 2917	Same as above with light tan and buff imstead.
2917 to 2928	Tan fossiliferous and grey lime with black fossils dolomitic limes.
2928 to 2941	Tan fossiliferous and grey with black fossils and other varied colored dolomitic limes.

2941 to 2950	Tan, fine sandy dolomitic limes and varied colored fine sand clusters.
2950 to 2960	Same as above.
2960 to 2977	Tan, slightly crystalline with black fossils and buff and white colored weathered dolomitic limes.
2977 to 2996	Same with grey with black fossiliferous dolomitic limes.
<u>WREFORD (Top @ 2993)</u>	
2993 to 3002	Tan, slightly crystalline dolomitic limes with black fossils, buff and white weathered dolomitic limes.
3006 to 3013	Light tan and glauconitic sand clusters.
3013 to 3029	Varied colored shales and scattered white and tan dolomitic limes. Angular clear loose quartz sand.
3029 to 3043	Varied colored shales and clays.
3043 to 3057	Varied colored shales, scattered white loosely bonded sand clusters and tan dolomitic limes.
3057 to 3067	Tan and white sandy dolomitic limes.
3067 to 3072	Tan and white fine crystalline dolomitic limes and scattered tan fine crystalline dolomite.
3072 to 3080	Varied colored shales and scattered light pinkish, sandy dolomite and grey with black fossiliferous dolomitic limes, and tan sandy dolomitic limes.
3080 to 3083	tan and pinkish to white sandy, fine crystalline dolomite.
3083 to 3089	Tan, fine crystalline dolomitic limes and a few scattered clear sand clusters.
3089 to 3098	Tan and pinkish sandy dolomitic limes.

3098 to 3106	Tan dolomitic sandstone.
3106 to 3128	Pinkish to tan to light grey sandy dolomitic limes.
3128 to 3145	Scattered friable clear sand grained clusters and tan dolomitic limes.
3145 to 3153*	Buff fossiliferous dolomitic limes. One small glob of gilsonite asphaltic oil with gold flakes.
3153 to 3167	Buff colored dolomitic lime with pinpoint porosity.
3167 to 3177	Buff eathered slightly vuggy dolomitic limes with a show of florescence. Scattered brown and tan sandstone.
3177 to 3185	Grey and light tan crystalline dolomitic limes.
3185 to 3196	Tan crystalline dolomitic limes and light grey fine crystalline dolomitic limes.
<u>NEVA (Top @ 3197)</u> 3197 to 3208	Buff weathered dolomitic lime with pinpoint to vuggy porosity.
3208 to 3220	White and tan crystalline dolomitic limes.
3220 to 3227	Tan and white crystalline dolomitic limes.
3227 to 3236	Buff to white to grey with black fossils dolomitic limes.
3236 to 3251	Light grey crystalline dolomitic and white dolomitic lime.
3251 to 3261	Varied colored shales and scattered white sandy dolomitic limes.
<u>RED EAGLE (Top @ 3260)</u> 3261 to 3272	White fossiliferous dolomitic limes and buff dense to sandy dolomitic limes.

3272 to 3285 White dense limes.

3285 to 3294 Grey crystalline dolomitized limes and white cherty dolomitic limes.

3294 to 3303 Scattered grey shaley sand clusters.

3303 to 3310 Pale green shales and sandy shales. Light white fine crystalline dolomitic limes.

3310 to 3319 Tan, fine grained sandstone.

3319 to 3333 White scattered fossiliferous limes and grey crystalline dolomitized limes.

3333 to 3346 Varied colored shales and grey crystalline dolomite.

3346 to 3357 Varied colored shales and white fine crystalline dolomitic limes.

3357 to 3366 Buff colored fossiliferous, very weathered pieces of dolomitic lime with a fair show of florescence.

3366 to 3375 Scattered firm and soft white shales and a few scattered glauconitic sand clusteres.

3375 to 3384 Varied colored shales.

3384 to 3390 Red shales (sluff) and a few scattered tan dolomitic limes.

3390 to 3597 Green and grey soft shales and scattered tan dolomitic limes and chalky greyish limes.

3597 to 3412 Varied colored shales and scattered weathered light tan dolomitic limes.

3412 to 3422 Red gummy shales.

3422 to 3434 Pale green and light grey soft clays.

3434 to 3443 Scattered medium sized clear quartz  
grained sand clusters and red shales.

3443 to 3451 Varied colored shales and scattered  
buff colored fossiliferous dolomitic  
limes.

3464 to 3472 Red and varied colored shales.

3472 to 3490 Same as above.

3490 to 3496 Scattered dark green shales and scattered  
light white dolomite.

3496 to 3511 Light grey and green soft shales and  
a few pieces of white dolomitic limes.

TARKIO LIME (Top @ 3523)  
3523 to 3533 Light grey fossiliferous limes and  
white fossiliferous dolomitized lime.

3562 to 3570 Tan fossiliferous lime and dense limes.

3570 to 3577 Tan and grey dense limes.

3577 to 3585 Same as above.

3585 to 3595 Tan and white dense and fossiliferous  
limes.

3595 to 3605 Tan dense limes.

3605 to 3616 Light tan dense and scattered fossiliferous  
limes and fossiliferous cherty limes.

3616 to 3622 Scattered black shales, grey dense  
and grey fossiliferous limes.

3622 to 3642 Light white fine crystalline lime with a show of florescence and tan fossiliferous dense limes.

3642 to 3653 Buff, fossiliferous limes.

TOPEKA (Top @ 3655)  
3655 to 3662 Tan fossiliferous limes and tan weathered limes with scattered pinpoint to very slightly vuggy porosity.

3662 to 3669 Tan dense and tan fossiliferous limes.

3669 to 3679 Tan silty to chalky to scattered fossiliferous limes.

3679 to 3690 Scattered grey fossiliferous limes and tan dense to fine crystalline to scattered fossiliferous limes.

3690 to 3700 White, slightly silty limes.

3700 to 3709 Scattered black shales and light tan fossiliferous limes.

3709 to 3717 Same as above with dense cherty grey lime.

3717 to 3723 Tan dense limes and scattered grey fossiliferous limes.

3723 to 3732 Scattered tan dens limes and tan fine crystalline to slightly sandy limes.

3732 to 3752 Light tan, friable, silty, fossiliferous limes and tan dense to slightly crystalline limes.

3752 to 3763 Scattered black shales and silty tan fossiliferous limes.

3763 to 3772 Light tan, fine crystalline, slightly sandy limes and dark grey fossiliferous limes.

3772 to 3785	Tan dense, tan silty and tan fossiliferous limes and a few scattered fine grained shaley sand clusters.
3785 to 3796	Brown fossiliferous limes.
3796 to 3809	White and tan chalky and tan fossiliferous limes.
3809 to 3815	Scattered black shales. A few scattered grey sandy shales and a few white chalky, fossiliferous limes and white chalk.
3815 to 3822	Light tan fossiliferous and sandy limes.
3822 to 3831	Tan, slightly weathered fossiliferous limes and fossiliferous dense limes with some scattered florescence.
3831 to 3842	Tan slightly crystalline and tan dense and tan fossiliferous limes.
3855 to 3865	Tan, fine crystalline, tan fine sandy and tan fossiliferous limes.
<u>HEEBNER SHALE (Top @ 3886)</u>	Jet black shale.
<u>TORONTO (Top @ 3904)</u> 3904 to 3907	Tan and light grey crystalline limes and brown fossiliferous limes.
3907 to 3914	Tan dense and tan weathered loose fossiliferous limes.
<u>LANSING/KANSAS CITY (Top @ 3930)</u> 3930 to 3940	Light tan to buff weathered limes and fossiliferous limes.
3940 to 3950	Tan, weathered, fairly loose limes with slightly vuggy porosity.
<u>CFS @ 3950</u>	



3951 to 3958

White crystalline, slightly weathered limes with good overall florescence.

3962\* to 3970\*

Tan crystalline to slightly fossiliferous with three pieces with a very slight show of oil and overall florescence.

3972 to 3976\*

Light tan weathered, vuggy lime with pinpoint and vuggy porosity with a fair show of free oil. No odor.

3976 to 3986\*

Tan crystalline limes with fair pinpoint and slightly vuggy porosity and a fair show of free oil. No odor.

CFS @ 4005

DRILL STEM TEST NO. 1

3971 to 4005

TEST: 60-30-60-30, Strong blow off bottom of 5 gallon bucket in 4-1/2 minutes.

Shut In 30 minutes. No blow back.

Strong blow off bottom of bucket in 9-1/2 minutes.

Shut In 30 minutes. No blow back.

Recovered: 93' of water cut mud, 186' of mud cut water, 186' of slightly mud cut water and 1116' of water.

Pressures: 101-424, 434-670,

1138-1139 Bhps. 1945-1875 hydrostatic.

4016 to 4023

Light tan dense, slightly silty limes and scattered tan to white crystalline limes.

4025 to 4030

Tan fossiliferous, friable limes.

4034 to 4042

Tan to light grey fossiliferous, slightly cherty limes.

4044 to 4052

Tan and white dense to scattered tan and white chalky limes.

4058 to 4062 Tan fossiliferous firm chalky and scattered harder friable limes.

4063 to 4072\* One piece of poorly developed oolitic and fossiliferous lime with an excellent show of free oil. Loaded with oil when sample broken. No odor.

4075 to 4083 Tan, fossiliferous limes, weathered and slightly vuggy.

4084 to 4092 Scattered tan fossiliferous, cherty to crystalline limes.

3094 to 4103 Tan to white dense to slightly crystalline limes.

4106 to 4113\* Faint odor and a show of very light oil floating. Tan dense to slightly crystalline lime.

4114 to 4124\* Very faint odor. One piece of of cherty dark grey fossiliferous lime with vuggy porosity and a good show of "wet" oil staining and a small show of free oil.

4126 to 4134 Tan cherty, firm, fossiliferous limes.

4138 to 4148\* One piece of tan, slightly vuggy lime with a fair show of free oil when broken. Very light colored oil floating and a faint odor.

4151 to 4156\* Tan, fossiliferous lime with a very light colored oil show. No odor.

4157 to 4163 Tan to light grey, chalky to slightly weathered junky limes.

4165 to 4170 White to tan slightly chalky, crystalline, fossiliferous limes.

CFS @ 4170

DRILL STEM TEST NO. 2

4054 to 4170

TEST: 60-30-60-30, Strong blow off bottom of 5 gallon bucket in 3-1/2 minutes.  
Shut In 30 minutes. No blow back.  
Strong blow off bottom of bucket in 5-1/2 minutes.  
Shut In 30 minutes. No blow back.  
Recovered: 186' of water cut mud, 124' of mud cut water, 124' slightly mud cut water, 1860' of water.  
Pressures: 114-768, 764-1034, 1174-1190 Bhps.

4178 to 4182

Tan dense crystalline lime.

4184 to 4193\*

Same with barren oolitic limes and fairly well developed oolitic lime with a good show of free oil, "wet" black oil staining and a faint odor.

4195 to 4199\*

Same as above but with a fair odor.

4203 to 4210\*

Scattered white barren oolitic lime. Two pieces with fair show of dark oil and a fair odor.

4213 to 4220\*

Tan, slightly silty, fairly loose fossiliferous lime with a fair show of dark oil and a fair odor.

DRILL STEM TEST NO. 3

4174 to 4220

TEST: 60-30-60-30, Strong blow off bottom of 5 gallon bucket in 28 minutes.  
Shut In 30 minutes with a 5 inch blow back return.  
Strong blow off bottom of bucket in 14 minutes.  
Shut In 30 minutes with a 6 inch blow back.  
Recovered: 124' of mud cut water, 124' of slightly mud cut water and 682' of sulfur water.  
Pressures: 24-201, 262-372, 288-441 Bhps. 2060-1978 hydrostatic pressures.

4222 to 4231\*

A few light tan silty, slightly vuggy lime with a fair show of dark oil and plastic oil with a fair odor.

4233 to 4236\*

Same as above but with no odor.

4238 to 4246

Scattered vuggy fossiliferous barren limes.

4250 to 4255

Tan and white dense to crystalline limes.

STARK SHALE (Top @ 4256)

4260 to 4271\*

Light tan and dark tan crystalline to silty limes. One piece of white oolitic lime with a fair show of black "wet" oil stain. No odor.

4274 to 4284

Tan and light tan dense to slightly crystalline limes, a few white fossiliferous limes and one piece of grey chert.

4286 to 4294

Tan and buff dense to slightly crystalline limes.

4299 to 4306

Scattered light grey cherty and varied colored dense to fossiliferous limes.

BASE/KANSAS CITY (Top @ 4316)

4318 to 4331

Tan and white junky to silty and fossiliferous limes.

MARMATON (Top @ 4341)

4341 to 4349

Tan and white silty fossiliferous limes..

4351 to 4360\*

Tan junky to crystalline to fossiliferous limes. One small piece of lime with a trace of oil and a very faint odor.

4362 to 4368\*

Tan junky to crystalline to fossiliferous slightly weathered fractured with a good show of fairly dark free oil and a faint odor.

4370 to 4379\*

Scattered weathered fossiliferous limes with a fair show of "wet" oil stain and a faint odor.

4380 to 4386\*

Scattered tan slightly vuggy lime with a fair show of oil. No odor.

4388 to 4494\*

A few slightly silty, slightly cherty tan limes with a show of oil. No odor.

4400 to 4410

Tan to white cherty fossiliferous limes.

PAWNEE (Top @ 4421)

4421 to 4436

Tan to white cherty, fossiliferous limes.

CFS @ 4451

DRILL STEM TEST NO. 4

4288 to 4451

TEST: 60-30-60-30, Strong blow off bottom of 5 gallon bucket in 7-1/2 minutes.

Shut In 30 minutes. No blow back.

Strong blow off the bottom of bucket in 11-1/2 minutes.

Shut In 30 minutes with no blow back.

Recovered: 124' of mud cut water, 124' of slightly mud cut water, 248' of very slightly mud cut water and 992' of water.

Pressures: 118-470, 460-706, 1290-1284 Bhps. 2272-2081 hydrostatic pressures.

MYRIC STATION (Top @ 4458)

4458 to 4470

Tan crystalline limes and tan fossiliferous to junky fossiliferous limes.

FORT SCOTT (Top @ 4475)

4475 to 4486\*

A few scattered pale grey and dark grey fossiliferous sharp hard cherts and fossiliferous limes. One piece with a show of free oil and a faint odor.

CFS @ 4486

CFS @ 4490

CFS @ 4495

CHEROKEE SHALE (Top @ 4501)

4505 to 4511\*

Light cream colored limey, weathered vugular chert with a fairly good show of free oil and a fairly good odor.

CFS @ 4512

DRILL STEM TEST NO. 5

4451 to 4512

TEST: 60-30-0-0, good blow of 5-1/2 inches in bucket at 60 minutes. Shut In 30 minutes. No blow back. Fair blow of 2-1/2 inches at 35 minutes then lost packer seat. Ended test and came out of hole. Recovered: 449' of slightly gassy oil cut mud and 1039' of mud. Pressures: 21-67, 68-72, 342-N/A Bhps. 2274-2125 hydrostatic pressures.

4524 to 4530\*

One piece of tan crystalline lime with a fair show of light free oil. No odor.

4534 to 4540\*

One piece of white lime with a trace of free oil. Light tan fresh chert with no show.

4542 to 4550\*

A few pieces of hard cherty vuggy lime with a show of free oil. No odor.

4556 to 4560\*

One barren sand cluster and tan slightly vuggy limes with a show of free oil. No odor.

4568 to 4570

A few scattered brown fresh cherts.

CFS @ 4576

DRILL STEM TEST NO. 6

4460 to 4576

TEST: 60-30-15-30, very weak blow of 1/4 inch building to 3/4" then dead at 53 minutes. Shut In 30 minutes. No blow back. Weak surface blow for 1 minute, dead. Shut In 30 minutes. No blow back. Recovered: 52' of very slightly oil cut mud and 62' of slightly oil and water cut mud (water had 12,000 chlorides). Pressures: 27-70, 118-80, 544-528 Bhps. 2306-2240 hydrostatic pressures.

MISSISSIPPI (Top @ 4713)

4713 to 4749

Scattered tan fossiliferous crystalline limes, tan fossiliferous cherty limes, tan crystalline and white chalky limes with a few scattered sandy limes and white sand clusters.

4749 to 4757

Tan crystalline limes and scattered white and tan fossiliferous limes.

4757 to 4765

Tan crystalline limes, tan cherty fossiliferous limes, scattered white bonded sand and brown sandy shales.

4765 to 4774

White and tan sandy limes and varied colored shales.

4774 to 4786

Varied colored shales and scattered tan fossiliferous limes.

4786 to 4795

Varied colored greenish shales and varied colored shales, and a few bonded white sand clusters.

4795 to 4800

White and tan fine fossiliferous limes and fine sand white limes and varied colored shales.

CFS @ 4800

ROTARY TOTAL DEPTH @ 4800

LOG TOTAL DEPTH @ 4801

DRILLING INFORMATION ON THE MCDANIEL "M" NO. 1-28

Drilling Contractor: H2 Drilling Company, Rig 2.      Drillers: R. Baker  
Tool Pusher: Wes Pfaff      J. Coleman  
J. Durr

Spud Date: June 26, 2008

Date of RTD: July 7, 2008

Surface Pipe: New 8-5/8", 24# set @ 227' w/160 sx Common Cement, 6% cc & 3% gel.  
Cement did circulate.

Status: Dry and Abandoned.

Production Casing: None.

Drilling Mud: Mud-Co, Engineer, Reid Atkins.

Drill Stem Testing: Trilobite Testing, Tester: Shane McBride.  
Tests Ran: Five, none positive.

Cementing: Surface Pipe, Allied Cementing Co.

Electric Logging: Log-Tech, Engineer: C. Desaire, M. Garrison.  
Logs Ran: Borehole Compensated Sonic, Dual Compensated Porosity  
and Dual Induction.

Hydrocarbon Detection & Well Management: Geocertified, LLC; Engineer: Kevin J.  
Bailey.



TOTAL FOOTAGE DRILLED PER DAY  
Spudded on June 26, 2008

Under surface at 12:00 A.M. On June 27, 2008

700	Feet	At	7:00 A.M.	On	6-27-08
1632	"	"	"	"	6-28-08
2815	"	"	"	"	6-29-08
3632	"	"	"	"	6-30-08
4005	"	"	"	"	7-01-08
4170	"	"	"	"	7-02-08
4220	"	"	"	"	7-03-08
4451	"	"	"	"	7-04-08
4512	"	"	"	"	7-05-08
4576	"	"	"	"	7-06-08
4735	"	"	"	"	7-07-08
4800	Feet	At	7:17 P.M.	On	7-07-08

MUD RECORD

Pre-Mix Tank Used and steel pits.

Surface - 70 sx gel, 1 sx lime, 25 sx hulls, 15 sx of quick seal.

2510' - 12 sx quick seal, 10 sx hulls.

3415' - 95 sx gel, 3/4 sx Drispac, 3 sx soda ash, 1-1/2 sx lignite, 30 sx quick seal, 2 sx caustic, 30 sx hulls.

3971' - 150 sx gel, 6 sx soda ash, 4 sx caustic, 2 sx lignite, 1/2 sx drispac, 15 sx hulls, 6 sx of quick seal.

4451' - 1 gal of poly plus.

4512' - 110 sx gel, 1 sx caustic soda, 3 sx soda ash, 1 sx lignite, 1/2 sx of Drispac.

BIT RECORD

	<u>Size</u>	<u>Type</u>	<u>In</u>	<u>Out</u>	<u>Jet Sizes</u>	<u>Pump Pressure Ran</u>
Surface	- 12-1/4"		0'-	230'	N/A	
Smith	- 7-7/8"	FH 24Y	230'-	4800'	3 - 13's	1250#



2900 to 2910	1-1-2-1-2- $\frac{1}{2}$ - $\frac{1}{2}$ -1- $\frac{1}{2}$ - $\frac{1}{2}$
2920	1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-2-1-1-2-1
2930	1-2-2-1-1-2-2-1-1-1
2940	1-1-1 $\frac{1}{2}$ - $\frac{1}{2}$ -1-2-1-1 $\frac{1}{2}$ - $\frac{1}{2}$ -2
2950	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-2-2-2-1-2-1-2
2960	2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -3-1 $\frac{1}{2}$
2970	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
2980	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2990	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1
3000	2-1-1-2-2-2-3-2-2-2 $\frac{1}{2}$
3000 to 3010	2 $\frac{1}{2}$ -2-3-2-2-2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1-2
3020	1-1-2-2-1-2-1-2-2-1 $\frac{1}{2}$
3030	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1- $\frac{1}{2}$ -1-1
3040	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1
3050	2-1-2-2-2-2-3-2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2
3060	2-2-2-1-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
3070	1-2-1-2-2-1-1-1-2-1
3080	2-2-1-2-2-1-2-1-1-1
3090	1-1-3-1-1-1-1-1 $\frac{1}{2}$ -1-1
3100	1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1
3100 to 3110	2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
3120	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1
3130	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
3140	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1
3150	1-1-1-1-1-2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-1
3160	1-1-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1- $\frac{1}{2}$
3170	$\frac{1}{2}$ -1- $\frac{1}{2}$ -1-2-1-1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$
3180	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1-2
3190	1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-2-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$
3200	2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
3200 to 3210	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-2-1-1-1
3220	1-2-1-1-2-2 $\frac{1}{2}$ -3-1 $\frac{1}{2}$ -1-2
3230	1-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$
3240	1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2-2-1-2
3250	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-1-1- $\frac{1}{2}$ -1-1-1
3260	2 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -2-1
3270	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-3-2-2-2-3-2 $\frac{1}{2}$
3280	2 $\frac{1}{2}$ -2- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2
3290	2-2-2-1 $\frac{1}{2}$ -3 $\frac{1}{2}$ -2-2-2-3-2
3300	2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2-1-1 $\frac{1}{2}$ -2-2 $\frac{1}{2}$
3300 to 3310	2-2-2-2-2 $\frac{1}{2}$ -2-2-2-2-2
3320	3-2-2-2-2-2-1 $\frac{1}{2}$ -2-1 $\frac{1}{2}$ -2
3330	1-2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-1-1-1-1
3340	2-2-2-2-2-2-2-2-2-2
3350	2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2-3-2-2-2-2
3360	2 $\frac{1}{2}$ -3-2 $\frac{1}{2}$ -2-3-2-2-3-2-2 $\frac{1}{2}$
3370	2 $\frac{1}{2}$ -2-3-2-2-3-2 $\frac{1}{2}$ -3-2-2 $\frac{1}{2}$
3380	2-1 $\frac{1}{2}$ -3-2-2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-2 $\frac{1}{2}$
3390	2-2-3-2-2-2-1-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2 $\frac{1}{2}$
3400	2 $\frac{1}{2}$ -3-2-1-2-2-1-2-2-2

3400 to 3410	1-1-2-1-1-1-1-1-1-1½-1½
3420	1½-2-1½-2-2-2-2-2-1½-1½
3430	1-2-2-2-2-2-2-2½-1½-2-2-2½-2-1½-2
3440	2-2½-2-1½-2-2-2-1-2-2
3450	2-2-3-2-2-2-3½-2½-2-2
3460	1-2-1-1½-1½-2-2-2-2-2
3470	2-2-1-1½-2½-2-2-2-2-2½
3480	2-2½-2-1-2-2½-2½-2½-2-2
3490	2½-1½-2-1½-2-2-1½-2-2-2½
3500	2-2-1½-2-1½-2-1½-1½-1½-1½
3500 to 3510	1-1½-1½-1½-1½-1-1-1½-1½-1
3520	1-1½-1½-1½-2-1½-2-2-2-1
3530	1-1½-1-3-2-2-3-2-2-2
3540	2-2-2-2-2-2½-2½-2½-2½-3
3550	2-2-1½-1½-1-1½-1½-2-1½-1½
3560	2-2½-2-3-2-2-2½-2-2-1½
3570	2-1½-1½-2-2-2½-2½-2-2-2
3580	2½-2½-2-2½-2½-2-2-3-1-1
3590	1-2-2½-2-2-2-1-1-1-2
3500	2-2-1½-1-1-1-1-1-2-2
3600 to 3610	2-1½-1-1-1-1½-1½-1½-1-2
3620	2-2-2-2-2-2-2-1½-1-1
3630	1½-1½-1-1-1-1-1½-1-1-2½
3640	2-2-2-2-1½-1½-2-2-2-2
3650	2-2-2-2-2-2-2-3-2½-2
3660	2-3-3-1½-1½-1½-1½-1-2½-2½
3670	2-3-2-3-3-3-2-2-3-1
3680	1-2-1-2-1-2-2-2-1-1½
3690	1½-1-2-2-2-3-2-2-1-2
3700	2-2-2-1-1-2-2-2-1½-1½
3700 to 3710	1-2-1-1-2-1½-2½-2-2½-2½
3720	2-2-2-2-2½-2½-2-2½-½-1
3730	2-2½-1½-2-2-3-1-2-1-1
3740	1-1-1-1-1½-2½-2-1-1-1
3750	1-1-1½-1-1½-2-1½-1½-1-1
3760	1½-1½-1-1½-1½-1½-2-1½-2-2
3770	2-2½-2-3-2-2½-2½-2½-2-3
3780	3-2-2-3-1½-1½-2-1-1-2
3790	1-1-1-2-2-2-5-3½-3½-4
3800	3-3-2-3-2-3-2-1-3-1
3800 to 3810	2-3-3-3-2-3-4-4-3-3
3820	4-3-4-2½-3½-3-2½-3-3½-3
3830	3-4-3-3-2½-2½-2-3-1½-1½
3840	2-3-2-2½-1½-2-1-1-2-1
3850	2-2-2-2-1-4-3-2-2-2
3860	2-2-3-2½-2½-1½-1-1½-2-2
3870	1½-2-1½-1-1-1½-1½-2-2-1½
3880	1½-1½-1½-2-1½-1½-1-1-1½-1½
3890	2-2½-2½-2½-2½-3-2-1-2-3
3900	2½-3-3½-3½-3½-4-3½-3½-2-4

3900 to 3910

4-4½-3½-4-2-2-2-2-1-2

3920

2-1½-1½-2-2-2-3-2-2-2

3930

2-2-3-2-3-3½-4-4½-3-2

3940

1-2-1½-2-2-2-2-2-2-2

3950

2-2-1½-1½-1½-2-2-1½-1½-1½

CFS @ 3950.

3960

2-3-4-3-2-2-3-3-3-3

3970

3-4-4-3-4-3-4-4-2-2½

3980

3-3-2-2-2-1-2-1½-2½-2½

CFS @ 3971.

3990

2½-2½-3-2-3-2-2-2-2-2½

4000

2½-2-2-2-2-2-2-2-1½-1½

4000 to 4010

3-2½-2½-3-3-3-4-3-3-3

CFS @ 4005. DST #1.

4020

3-3-3-3-2-4-5-4-3-4

4030

4-4-2-3-3-2-2-2-2-2

4040

3-4-4-5-4-2-3-2-2-3

4050

2-2-3-2-3-3-2-2-2-2

4060

3-4-3-2-3-4-3-3-2-2

4070

1-2-2-2-2-2-2-3-4-3

4080

3-4-3-3½-2-2½-3½-2½-2-3

4090

3-3-2-3-3-3-3½-2½-2½-2½

4100

3-2-1½-2-2½-2-2-3-2-2

4100 to 4110

2½-3-3½-4-3-4-3½-3½-3½-3

4120

2-2-3½-3-2½-4-3-2½-4½-3

4130

5-2-3-2-2-2-2-2-3-3

4140

2-2-2-2-2-2-3-2-4-3

4150

3-3-3-4-3-2½-4-3-3-3½

4160

2-3-3-4-3-3-4-3-3-4

4170

4-3-4-3-3½-3½-3-3-3-3½

CFS @ 4150. DST #2.

4180

2-3-3-3-3-3½-3-3-2½-2

4190

2-4-3-3-3-3-2-2-2-2

4200

½-½-1-1-½-½-1-3-2-3

4200 to 4210

3-2½-2½-2-3-3-2½-2-2½-3

4220

2-2-2-2-3-3½-3½-3-2½-3½

SR @ 4219. CFS @ 4220. DST #3.

4230

2-1-2-2-2-1½-2-2-2-1½

4240

1½-1-1-1½-1½-2½-3-2-3-3

4250

2-3-3-3-2½-2½-3-2-2-2½

4260

2-1½-1-1½-2-3-1-2-3-3

4270

2-3-4-3-3-3-2½-1½-½-½

4280

3-3-3-2-2-1-2-2-3-2

4290

2-3-2-2-3-2-3-1-1½-2½

4300

2-3½-3-2½-3-2½-2-1½-1½-1½

4300 to 4310

1-2-1-2-2-2-3-3-3-3

CFS @ 4302.

4320

3-3-3-3-3-2-4-2-2-2

4430

2-2-1-1-2-1-1½-1½-2-1

4340

2-2-1-2-1-3-2½-3½-4-3½

4350

3½-3½-2½-2-3-3½-3½-4-2½-4½

4360

3½-3½-3-3½-3½-4-4-3½-4-3½

4370

3-3-4-3½-3½-5-3-3-2-3½

4380

2½-2½-3½-3-4-3-4-3½-3½-3

4390

3-3½-3-2½-3-3-4-4-4-3½

4400

5½-4-4-5½-4-4-4½-4-3½-3½

4400 to 4410

4420

4430

4440

4450

4460

4470

4480

4490

4500

4500 to 4510

4520

4530

4540

4550

4560

4570

4580

4590

4600

4600 to 4610

4620

4630

4640

4650

4660

4670

4680

4690

4700

4700 to 4710

4720

4730

4740

4750

4760

4770

4780

4790

4800

4-4½-3½-4-3-3-3-3-4-3½

3½-3-3½-3½-3½-3½-3-3-4-4½

4½-4½-4-5-4½-4½-4-4-4-3½

3½-4-3½-3½-3½-3½-3½-3-3½-4

4-4½-4½-4½-4½-4½-4½-4½-4½-4½

4½-4-5-4-5-4-4-4½-6½-4

3-4-4½-4-4-3-4-3-3½-2½

3-4-4-4-4-4½-4-4-4½-4½

3½-4-4½-4-3½-4½-3-3-4-3½

4-4-4-2½-4½-2½-3½-4-4-4

2½-2½-3-3-½-½-1-1-1-1

1-4-3-3-4-3½-5½-4-4½-4½

4-4-4-5-3-4-3½-5-5-6

3½-5-5-3½-3-2-5-3½-4-5

4-4-3-3½-3½-3-4-4½-4-4

3½-4-4½-4½-4½-3½-5-5-4-4

5-5-4½-4½-4-4½-4-4-4-3½

4½-4½-4½-5½-4-4-4-4-4

4-5-3-4-4-4-4½-4-4½-4

4½-4½-4-4-3½-3½-4-3-3½-3½

3½-4-3½-4-4-4-4½-3½-4-4

5-3-4-3½-3½-3-2½-3-3-2½

2-2½-3-4½-4-3½-3½-3½-3½-3½

4-4-4-4½-4-4-4-4-4-4-4

4-4-3-3-3½-3½-4-4-3½-3

3-2½-2½-3-3-3½-4-3-3-3

3½-3-1½-2-3½-4-4-1-4-4

4½-5-5-5-5-4-5-3-2-4½

3½-4-4½-4-4-4-4½-3-½-4-5

3½-4-4½-4-4-4-4-4-4-4

4½-5½-3½-3½-4-4-4-4-4½-3

5-2½-2-2-2-2-4-4½-5-4½

4½-5-5-4-4-4-4½-4-4½-4

4-4½-4-4-4½-4-4-4-4-4

2-4-4-3½-3½-4½-4½-3-4-4

5-5-4-5-5-5½-3½-4-3½-4½

4½-4-4½-3½-3½-4-2-½-8½-3

1-2-4-3-3-3-3-3-4-3

4-3-3-3-3-3-3-3-3

3-4-3-4-4-4-4-3½-3½-4

CFS @ 4451. DST #4.

CFS @ 4486.

CFS @ 4495.

CFS @ 4512. DST #5.

CFS @ 4540.

CFS @ 4550.

CFS # 4576. DST #6.

CFS @ 4636.

CFS @ 4675.

CFS @ 4700.

CFS @ 4800. RTD @ 4800.