

19-10s-30w

NW 1/4 Sec 30W

 **COPY**

GEOLOGICAL REPORT

RUSSELL OIL, INC.

FL UNIT NO. 1

1280' FSL; 80' FWL

19-10S-30W

SHERIDAN COUNTY, KANSAS

API NO. 15-179-21196-0000

Commenced: May 18, 2008

Completed: May 29, 2008

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KANSAS CORPORATION COMMISSION
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CONSERVATION DIVISION
WICHITA, KS

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

Re: Russell Oil, Inc.
FL UNIT No. 1
1280 FSL; 80 FWL
19-10S-30W
Sheridan, County, Kansas

Dear Sir:

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

Drilling was supervised from 2800' to 4560', rotary total depth. Samples were examined from 2800' to 4560', 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 2903 GL -- 2916 KB

Log Tops

Anyhdrite -----	2476'	to	2505'	+	440	to	+411
Herington -----			2835	+	81		
Winfield -----			2872	+	44		
Florence -----			2976	-	60		
Wreford -----			3069	-	153		
Neva -----			3292	-	376		
Red Eagle -----			3451	-	535		
Tarkio Lime -----			3575'	-	659		
Topeka -----			3709'	-	793		
Heebner -----			3936'	-	1020		
Toronto -----			3958'	-	1042		
Lansing/Kansas City -----			3975'	-	1059		
Base/Kansas City -----			4248'	-	1334		
Marmaton -----			4276'	-	1360		
Pawnee -----			4368'	-	1452		
Fort Scott -----			4440'	-	1524		
Cherokee Shale -----			4470'	-	1554		
Mississippi -----			4522'	-	1606		
Rotary Total Depth -----			4560'	-	1644		
Log Total Depth -----			4556'	-	1640		
5-1/2" Casing -----			4554'	-	1638		

Structurally, on top of the Lansing/Kansas City, the Russell Oil, Inc. FL Unit No. 1 ran 2' low to the Russell Oil, Inc. Ferguson "B" 1-19 located 680' to the southwest. The Pawnee ran 1' low. The Cherokee ran flat and the Mississippi ran 21' high to the Ferguson "B" 1-19.

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

FL Unit No. 1
1280' FSL; 80' FWL
19-10S-30W
Sheridan County, Kansas

ZONES OF INTEREST

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

HERINGTON (Top @ 2835)
2835 to 3845

Tan crystalline limes and scattered sand clusters with medium clear sand grains.

2859 to 2865

Greyish to greenish to purple shales and shalely sandstone. One piece of tan lime with a fair show of florescence.

WINFIELD (Top @ 2872)
3872 to 3880

Tan dense to chalky limes with a fair show of florescence.

FLORENCE (Top @ 2976)
2976 to 2985

Light tan to buff dolomitic limes with good show of florescence and a very, very faint odor.

2988 to 2994

Light tan dolomitic lime with scattered vugginess, good florescence, scattered pinpoint porosity with a show of gilsonite and soft asphaltic oil.

2996 to 3002

Tan crystalline to light grey silty dolomitic lime with good florescence and scattered gilsonite.

3004 to 3012

Same with scattered vuggy porosity.

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WREFORD (Top @ 3069)
3069 to 3077

A few scattered of light tan dolomitic limes with scattered florescence.

3231 to 3238

Scattered tan dolomitic limes with a fair show of florescence.

3302 to 3314

A few scattered tan dolomitic limes and dolomite with a fair show of florescence.

NEVA (Top @ 3292)
3292 to 3310

Tan dolomitic limes and dolomite with of florescence.

RED EAGLE (Top @ 3451)
3351 to 3360

Tan dolomitic limes and dolomite.

TARKIO LIME (Top @ 3575)
3576 to 3586

Tan fossiliferous and greg with black fossil dolomitic limes.

3685 to 3689*

One piece of fine clear quartz sand lense, calcite bonded and fairly hard with a small show of oil when acidized.

TOPEKA (Top @ 3709)
3709 to 3720

Light tan sandy fossiliferous limes.

3744 to 3760

White sandy and tan dense limes.

3880 to 3889*

One piece of white vuggy, fossiliferous lime with a good show of gilsonite and no odor.

3896 to 3906

White and tan slightly fossiliferous limes.

3922 to 3930

Tan and white fossiliferous limes.

HEEBNER SHALE (Top @ 3936)

Jet black shale.

TORONTO (Top @ 3958)
3958 to 3964

White and tan fossiliferous, cherty limes.

LANSING/KANSAS CITY (Top @ 3975)
3975 to 3984

Tan to buff colored fossiliferous and tan oolitic cherty limes.

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3991 to 3998

Tan fossiliferous limes and tan, well developed oolitic limes.

4006 to 4018

Scattered weathered fossiliferous and oolitic loose limes, tan dense limes and white chalky limes.

4024 to 4032*

White crystalline and scattered silty limes with a small show of free oil and a very faint odor. (Included in DST No. 1).

4043 to 4048*

Brown sucrosic limes, fair pinpoint porosity with a fair show of free oil and a fair to good odor.

4050 to 4058*

Light brown to varied colored browns crystalline limes with a fair show of free oil and a fairly good odor.

DRILL STEM TEST NO. 1

4018 to 4060

Misrun. Hole bridged off half way in hole with test tool. Came out. Ran bit to bottom, conditioned hole and came out to run test over.

DRILL STEM TEST NO. 2

4018 to 4060

TEST: 60-30-60-30. Fair blow building to 8 inches in bucket.
Shut In 30 minutes with no blow back.
Second Opening: Fair blow building to 5-1/2" in bucket.
Shut In 30 minutes with no blow back.
Recovered: Total fluid of 250'; 5' of watery mud with a trace of oil, 135' of water cut mud, 90' of mud cut water and 20' of slightly water cut mud.
Pressures: 20-93, 95-131, 1010-990
Bhps. 1974-1928 hydrostatic pressures.

4070 to 4074*

Fine crystalline limes with a small show of free oil and a faint odor.

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4078 to 4084* White dense to chalky to slightly vuggy lime with a show of black tarry oil and gilsonite with a very, very faint odor.

4086 to 4092* Few small pieces of lime with a very, very small shows of free oil and a fairly good odor.

4098 to 4104* Same as above but no odor.
(Included in DST No. 3)

4122 to 4128 Scattered light grey and tan fossiliferous limes and cherty limes.

4130 to 4135 A few light grey hard, fresh cherts and white and tan dense to crystalline and fossiliferous limes.

4137 to 4140 Light tan dense limes and a few light grey and brown fresh cherts.

4153 to 4160* White cherty, fossiliferous limes with a fair show of free oil and a fair odor.

4161 to 4170* Tan and white cherty, fossiliferous to crystalline limes with fair vuggy porosity containing a fair show of free oil and a fair odor.

4170 to 4175* White cherty, slightly silty, weathered to slightly vuggy porosity with small to fair shows of free oil and a faint odor.

4176 to 4180* Tan cherty limes with vugular porosity and a small show of free oil and a faint odor.

4182 to 4188* Tan, slightly silty, slightly weathered limes with small to fair shows of free oil and a faint odor.

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DRILL STEM TEST NO. 3

4095 to 4190

TEST: 38-30-28-30. Blow built to very weak blow of 3/8" then decreased. Tried flushing tool three times then pulled tool and packers free and reset at 29 minutes and had no blow. Shut In 30 minutes. No blow back. Second Opening: No blow. Closed tool at 24 minutes. No blow back. Recovered: 25' of very slightly oil cut mud. Pressures: 19-31, 32-35, 515-244 Bhps. 2019-1990 hydrostatic pressures.

4198 to 4204*

Few pieces of tan crystalline, silty limes with a very small show of brown "wet" oil staining.
(Included in Dst No. 4)

4204 to 4212*

One piece of light grey junky lime with brown dead oil flakes and a very faint odor.

4228 to 4236

Tan and white crystalline fossiliferous and dense limes.

4240 to 4247

Tan and grey junky and fossiliferous limes with no show of oil and no odor.

BASE/KANSAS CITY (Top @ 4248)

DRILL STEM TEST NO. 4

4188 to 4250

TEST: 30-30-10-30. Blow built to 1/4", dead in 23 minutes. Shut In 30 minutes. No blow back. No blow. Shut In 30 minutes. No blow back. Recovered: 10 feet of slightly oil cut mud. Pressures: 19-27, 29-30, 91-69 Bhps. 2073-2055 hydrostatic.

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4256 to 4266*

Piece of white chalky, junky lime with a show of "wet" stain. No odor.
(Included in Dst No. 5)

MARMATON (Top @ 4276)
4276 to 4284

Few orange and yellowish cherty limes and fossiliferous limes.

4319 to 4328*

Tan junky, weathered, fossiliferous limes with a small show of "wet" stain and a faint odor.

4332 to 4342*

Tan fossiliferous limes. One piece of white cherty lime with a small show of "wet" oil staining and no odor.

4345 to 4350*

Scattered tan hard, cherty lime with a very small show of "wet" oil stain. No odor.

4353 to 4356*

Light grey fresh cherts. Tan crystalline lime with a show of "wet" oil staining. No odor.

PAWNEE (Top @ 4368)
4368 to 4376*

Scattered light tan limes with small show of free oil and "wet" oil stain and a faint odor.

DRILL STEM TEST NO. 5
4250 to 4386

TEST: 90-60-90-60, fair 3 inch blow increasing to a 6 inch blow.
Shut In 60 minutes. No blow back.
Blow building to 6 inches.
Shut In 60 minutes. No blow back.
Recovered: 62 feet of gassy oil cut mud, 61 feet gassy oil cut mud and 52 feet of oil and gas cut mud.
Pressures: 64-88, 87-98, 257-219 Bhps.
2071-2052 hydrostatic pressures.

4418 to 4425*

Few pieces of junky lime with fair oil staining and a faint odor.
(Included in Dst No. 6)

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4433 to 4436*

Fine crystalline off white chalky limes with fair florescence. Some pyrited limes with a faint odor.

FORT SCOTT (Top @ 4440)
4440 to 4444*

Pyrited soft white limes and tan dense limes with a faint odor.

4448 to 4458*

Light grey fresh cherts, loose pyrite and pyrited limes. Tan dense fossiliferous limes with a fair odor.

4462 to 4468*

Few pieces of tan fossiliferous lime with a small show of free oil and a fair odor.

DRILL STEM TEST NO. 6
4386 to 4468

TEST: 60-30-60-30, very weak blow building to 1 inch blow throughout. Shut In 30 minutes. No blow back. Blow building to 2-1/4". Shut In 30 minutes. No blow back. Recovered: 59 feet of slightly oil and gas cut mud. Pressures: 20-35, 30-43, 153-144 Bhps. 2167-2151 hydrostatic pressures.

CHEROKEE SHALE (Top @ 4470)

4475 to 4480

Tan to greyish dense to crystalline limes.
(Included in Dst No. 7)

4482 to 4487

Tan white crystalline and dense slightly fossiliferous limes. A few fine light grey sand clusters.

4500 to 4504

A few scattered sand clusters and tan and white dense to crystalline limes.

4508 to 4512

A couple of light grey sand cluster with glauconitic crystals.

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4513 to 4516

Brown fossiliferous hard cherty limes and scattered tan dense crystalline limes.

MISSISSIPPI (Top @ 4522)
4522 to 4530

Tan and brown cherty limes, tan dense limes and a few scattered sand clusters.

4534 to 4544

Brown and tan junky limes.

4546 to 4554

Tan to brown to yellow cherty limes.

DRILL STEM TEST NO. 7
4468 to 4560

TEST: 40-30-15-30, Blow built to 1 inch, dead in 39 minutes.
Shut In 30 minutes. No blow back.
No blow.
Shut In 30 minutes. No blow back.
Recovered: 8 feet of very slightly oil cut mud.
Pressures: 22-25, 25-26, 39-37 Bhps.
2243-2217 hydrostatic pressures.

5-1/2" CASING @ 4554

LOG TOTAL DEPTH @ 4556

ROTARY TOTAL DEPTH @ 4560

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

Re: Russell Oil, Inc.
FL Unit No. 1
1280 FSL; 80 FWL
19-10S-30W
Barton, County, Kansas

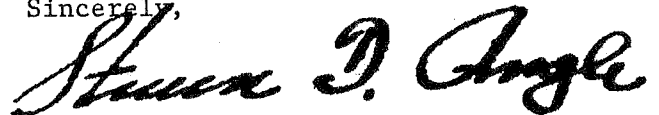
Log-Tech logs of Radiation/Guard and Microresistivity were ran.

Due to positive drill stem tests, the Russell Oil, Inc. FL Unit No. 1 was completed as a potential oil well.

New 5-1/2", 15.5# casing was ran to a depth of 4554 feet, 2 feet off bottom and 36 feet into the Mississippi formation and set w/125 sx AA-2 Cement. A DV tool was set @ 3416', 911' below the base of the Anhydrite and cemented w/450 sx of A-Con Blend cement.

The shoe joint is 42.12' in length and zero point is 13 feet above ground level.

Sincerely,



Steven D. Angle

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DRILLING INFORMATION ON THE FL UNIT NO. 1

Drilling Contractor: H2 Drilling Company, Rig 2. Drillers: J. Coleman
Tool Pusher: Wes Pfaff A. Pfaff
T. Fisher

Spud Date: May, 18, 2008 Date of RTD: May 27, 2008

Surface Pipe: New 8-5/8", 23# set @ 270' w/175 sx Common Cement, 6% cc & 3% gel.
Cement did circulate.

Status: Potential oil well.

Production Casing: New 5-1/2", set @ 4554' (KB @ 13'AGL), 2' off bottom w/125
sx of AA2 cement. A DV tool was set @ 3416', 911' below the
Anhydrite w/450 sx of A-Con blend cement. The shoe joint is
42.12' in length and zero point is 13' above ground level.

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

Drill Stem Testing: Trilobite Testing, Tester: James Winder.

Cementing: Surface Pipe, Allied Cementing Co.
Production String, Basic Energy Services.

Electric Logging: Log-Tech, Engineer: Josh Loffredi

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

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TOTAL FOOTAGE DRILLED PER DAY
Spudded at 10:30 A.M. on May 18, 2008

Under surface on May 19, 2008

740	Feet	At	7:00 A.M.	On	5-19-08
2565	"	"	"	"	5-20-08
3470	"	"	"	"	5-21-08
4060	"	"	"	"	5-22-08
4060	"	"	"	"	5-23-08
4190	"	"	"	"	5-24-08
4260	"	"	"	"	5-25-08
4386	"	"	"	"	5-26-08
4468	"	"	"	"	5-27-08
4560	Feet	At	1:58 P.M.	On	5-27-08

MUD RECORD

Pre-Mix Tank Used.

Surface - 70 sx gel, 1 sx lime, 20 sx hulls.
 3240' - 70 sx gel, 21 sx soda ash, 2 sx lignite, 2 sx calcium..
 3910' - 225 sx gel, 2 sx Drispac, 8 sx soda ash, 8 sx lignite, 8 sx calcium 10 sx hulls.
 4060' - 7 sx hulls.
 4180' - 80 sx gel, 1/2 sx Drispac, 1 sx lignite, 2 sx caustic soda, 3 sx soda ash.
 4386' - 135 sx gel, 2 sx caustic soda, 4 sx soda ash, 1 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'	276'	N/A	
Smith	- 7-7/8"	FH 24Y	276'	4560'	3 - 13's	1250#

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DRILLERS TIME LOG

RUSSELL OIL COMPANY
FL Unit No. 1

1280' FSL & 80' FWL
19-10S-30W Sheridan County, Kansas

ELEVATION: 2903 GL
2916 KB

DEPTH	MINUTES	REMARKS
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Note: 1/3" made 1/4". 1 foot drilling time

2800 to 2810	1-1-1-1½-1½-1-1-1-1-1	
2820	1-1-1-1-1½-1-1-1-½-2	
2830	1-2-1-1½-1-1½-1-1-1-1½	
2840	1½-1-1-1-1½-1½-1-1-1-1	
2850	1-1½-1½-1-2-2-1-1-1½-1½	
2860	1-2-1-1½-1½-1½-1½-½-1½-1½	
2870	1-1-1½-1-1-1-1-1-2-1	
2880	1-1-1-½-1½-1-1-1-1-1	
2890	2-2-1-2-1-1½-2-3-2-2	
2900	2-1-1-1-1-1-1-1-1-1	
2900 to 2910	1-2-1-½-1½-1½-1½-1-1-1	
2920	2-1-2-1-1½-1½-1½-1½-1-1½	
2930	1-1½-1-1-1-½-½-2-1-½	
2940	½-1-½-1-1½-½-1-1-1-½	
2950	½-1-1-1-1-2-1½-2-1½-1	
2960	2-1-1-2-1½-1½-1½-1½-2-1	
2970	1-2-1½-1½-2-2-2-1-2-1½	
2980	1½-1-1-1½-1½-1-1-2-1-2	
2990	1-2-2-2-1-2-2-1-1½-1½	
3000	2-1½-1½-1½-1½-1½-1½-2-2-2	
3000 to 3010	2-1½-1½-2-2-1-½-½-½-½	
3020	½-1-1½-2-1-2-1½-1½-2-1	
3030	2-1-1-1-½-½-½-1-1½-1½	
3040	1-1-1-2-1-1½-1½-1-2-1	
3050	1-1-2-2-1½-1½-1½-1½-1½-1½	
3060	1-2-2-1-1½-1½-1-2-2-1	
3070	1-½-½-½-½-1-1-1-2-1	
3080	1½-1½-1-1½-1½-2½-2½-2-2-2	
3090	2-1-1½-1-½-1-1-1-1½-1½	
3100	2-1-2-2-1-1-1-1-1-1	

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

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3900 to 3910	1-2-1-1-2-2-2-2-3-3	
3920	3-3½-3-3-2-2-1-2-3-2	
3930	2-1-1½-1-1-1-1-1½-1-1½	
3940	½-½-½-½-½-½-½-½-1½-2	
3950	1-2-2-2½-2½-2-2½-2½-2½-2	
3960	3-3-3-3-3-3-3-3½-2½-2	
3970	2-3-1-2-1-2-1½-3-3-3	
3980	3-2½-3½-4-3-3-3-2-2-1	
3990	1-2-1-1-1-2-1½-1½-3-3	
4000	2½-1½-1-2-1-2-2-1-2-1	
4000 to 4010	2-3-2½-2-2½-3-3-3-3½-2½	
4020	2½-2½-3-3-2½-1½-3-2-2-1	
4030	2-2½-1-1½-2½-4-3½-3½-3-1½	
4040	1-1-1½-3½-2½-3-3-2½-2½-3	
4050	3-3-3-3-2-3-1½-1½-4-3	
4060	2½-3½-3-3-3-2½-3½-1-1-1	CFS @ 4060. DST #1 & #2.
4070	2-2-3-3-3-4-3-3-2-3½	
4080	3½-3-3-2-2-2½-2-2-3-3	
4090	4-3-3-3-4-3-2-2½-½-1½	
4100	1½-1-2-3-3-2-3-2½-3-3	
4100 to 4110	3-3-3-3½-3½-2½-3½-3-3-3	
4120	3½-2-4-3-3-2-2-2-2-3	
4130	3-3-3-3-2½-3-3-3½-3-3	
4140	3-4-4-3-3-3½-3½-3-3-3	
4150	3½-3½-2½-3-2½-2-2-1½-2-2½	
4160	3-2-3-3-2-3-2½-3½-4½-2½	
4170	2-2½-2-3-3-2½-3-2-3-3	
4180	3½-3-3-3½-3½-3-3½-4-4-3	CFS @ 4175.
4190	2-3-3-3-3-2½-3-3½-2-3	CFS @ 4190. DST #3.
4200	2-3-3½-3½-2½-3½-4-2-2-2	
4200 to 4210	1-3-3-3-2-2-3-3-3½-3	
4220	2½-2-3-3-2-2-2-3-2½-3	
4230	3-2½-2½-3-2½-3-2-3-2-1½	
4240	3½-3-2-3½-3½-3½-3½-3½-2½-2½	
4250	3-2½-1½-2½-2-3-2½-2½-2½-2	CFS @ 4250. DST #4.
4260	2-3-3-4½-2½-3½-3½-4-3-2½	
4270	3½-4-3-4-3-3-3-3½-3-3	
4280	3½-3-3-2-2-2-2-2-3-2	
4290	2-2½-3-3-4-3-2-2½-3-2	
4300	2½-3-4-3-3-2-2-2-2½-2½	

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4300 to 4310	2½-2-2-2-1½-2½-2½-2½-2½-2	CFS @ 4301.
4320	3-3-3-3-3-3-2½-3-2½-2	
4330	2-1-3-2-3-2-2½-3½-2½-2½	
4340	2-3-3-3-3-2-2-3-3-2½	
4350	2½-3-2-3-2-2-2-2-2½-2½1	
4360	2-3-2½-2½-2½-3-3½-3-4-3	
4370	3-3-3-3-3-3-2-3-4-3	
4380	4-3½-3-3-3-2-3½-3-3½-3	
4390	3-2½-1-3-2-2-2-3-3-3½	CFS @ 4386. DST #5.
4400	4-3½-3-3½-3½-3-3-3-1½-3	
4400 to 4410	3½-3-3½-3½-3-3-4-2-3½-2½	
4420	3½-2-3½-3-3-3-3-3-4-4	
4430	3-4-4-3-2½-2½-3-3-3-3	
4440	3-3½-3½-3-3½-3-3½-3½-3½-3	
4450	3-2½-2½-4-3½-3½-3½-4½-3-4	
4460	3-3-4-3-3-4-3-3-3½-2½	
4470	3½-4-3-3½-4-3½-3-3½-3-4½	CFS @ 4468. DST #6.
4480	4½-4-3-4-3-2½-3½-4-4-3	
4490	4-4-3½-4½-5-5½-4-4½-4-3½	
4500	4-5½-3½-4½-2½-4-3½-4½-4-3½	
4500 to 4510	4-3½-3-4-4-3½-4-4-4-4	
4520	3-3-4-4½-4-4-4-4-3½-4½	
4530	4-3½-3½-2-3½-3½-3-2½-3-3½	
4540	3-3-4-4-3½-1½-3-2-3-3	
4550	3-3½-3½-3-3½-2½-3-3-3½-3½	
4560	3½-3-3-3½-2½-4-3-4-3-4	CFS & RTD @ 4560.

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