

Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING RECORD
K.A.R. 82-3-117

Form CP-4
March 2009
Type or Print on this Form
Form must be Signed
All blanks must be Filled

OPERATOR: License #: 3293
Name: Russell Oil, Inc.
Address 1: PO Box 1469
Address 2: _____
City: Plainfield State: IL Zip: 60544 + 3469
Contact Person: LeRoy Holt II
Phone: (815) 609-7000
Type of Well: (Check one) Oil Well Gas Well Other D&A Cathodic
 Water Supply Well Other: _____ SWD Permit #: _____
 ENHR Permit #: _____ Gas Storage Permit #: _____
Is ACO-1 filed? Yes No If not, is well log attached? Yes No
Producing Formation(s): List All (If needed attach another sheet)
_____ Depth to Top: _____ Bottom: _____ T.D. _____
_____ Depth to Top: _____ Bottom: _____ T.D. _____
_____ Depth to Top: _____ Bottom: _____ T.D. _____

API No. 15 - 193-20760-00-00
Spot Description: _____
W/2 NE NW SE Sec. 13 Twp. 10 S. R. 31 East West
2,310 Feet from North / South Line of Section
1,940 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Thomas
Lease Name: SK Well #: 1-13
Date Well Completed: D & A
The plugging proposal was approved on: 03-31-09 (Date)
by: Ray Dinkel (KCC District Agent's Name)
Plugging Commenced: 04-02-09
Plugging Completed: 04-02-09

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out
*see attached drilling report		Surface	8 5/8" new 20#	224.89'	0'

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plug well with 220 sacks of 60/40 Poz, 4% gel, 1/4# floseal per sack.
1st plug @ 2528' with 25 sacks. 2nd plug @ 1638' with 100 sacks. 3rd plug @ 275' with 40 sacks.
4th plug @ 40' with 10 sacks to surface. Plug mouse hole with 15 sacks. Plug rat hole with 30 sacks.
Job complete @ 7:00 p.m. on 04-02-09 by Allied Cementing (tk #35037A)

Plugging Contractor License #: 33350 Name: Southwind Drilling, Inc.
Address 1: PO Box 276 Address 2: 8 North Main
City: Ellinwood State: KS Zip: 67526 + _____
Phone: (620) 564-3800
Name of Party Responsible for Plugging Fees: Russell Oil, Inc.

State of Kansas County, Barton, ss.
Renee Kasselmann, Office Manager, Southwind Drilling, Inc. Employee of Operator or Operator on above-described well,
(Print Name)

being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.
Signature: Renee Kasselmann

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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SOUTHWIND DRILLING, INC.

RIG #1

PO Box 276, Ellinwood, KS 67526
Office Phone 620-564-3800, Fax 620-564-3845

DRILLING REPORT

SK #1-13

Location: 2310' FSL & 1940' FEL
API#: 15-193-20760-00-00

Section 13-10S-31W
Thomas County, Kansas

OWNER: _____ : Russell Oil, Inc.
CONTRACTOR: Southwind Drilling, Inc. Rig #1

COMMENCED: 03-23-09
COMPLETED: 04-02-09

TOTAL DEPTH: Driller: 4600'
Logger: 4596'

Ground Elevation: 2938'
KB Elevation: 2948'

LOG:

0'	-	227'	Sand/Soil/Clay
227'	-	560'	Clay
560'	-	1315'	Clay/Shale
1315'	-	2513'	Sand/Shale
2513'	-	2544'	Anhydrite
2544'	-	4600'	Lime/Shale
		4600'	RTD

CASING RECORDS

Surface casing – 8 5/8"

Ran 5 joints of 20# new 8 5/8" surface casing. Tally @ 212.89'. Set @ 224.89'. Cement with 160 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 11:00 a.m. on 03-23-09 by Allied Cement (tk#043527)

Production casing – 5 1/2"

None – plugged the well

DEVIATION SURVEYS

¼ degree (s)	@	227'
1 ¼ degree (s)	@	4090'
2 degree (s)	@	4600'

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MORNING DRILLING REPORT			Fax to: Russell Oil & Todd Brown & Email to: LeRoy Holt & Steve Angle			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Steve Angle 785-483-1561 (cell) 785-625-3814 (office)	WELL NAME	SK #1-13		
Rig #1 Phone Numbers			LOCATION	2310' FSL & 1940' FEL Sec. 13-10S-31W Thomas County, KS		
620-794-2075	Rig Cellular (Dog house)		Russell Oil, Inc. PO Box 1469 Plainfield, IL 60544 815-609-7000			
620-794-2078	Geologist Trailer Cellular		ELEVATION	G.L. 2938'	K.B. 2948'	API# 15-193-20760-00-00
620-566-7324	Tool Pusher Cellular	Frank Rome				

Driving Directions: From Oakley: 8 miles East on Hwy. 40, 3 1/2 miles North on 37th Road, West into

Day 1 Date 03-23-09 Monday Survey @ 227' = 1/4 degree

Moved Rig #1 on location
Spud @ 7:30 a.m.
Ran 10.25 hours drilling (.50 drill rat hole, 1.00 drill 12 1/4", 8.75 drill 7 7/8"). Down 13.75 hours (.25 CTCH, .25 survey, 1.25 run casing/cement, 8.00 wait on cement, 2.75 connection, .50 drill plug, .25 rig check, .50 jet)
Mud properties: fresh water
Daily Mud Cost = \$0.00. Mud Cost to Date = \$0.00
Wt. on bit: 20,000, 80 RPM, 700# pump pressure
12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
7 7/8" bit #1 (in @ 227') = 8.75 hrs. - 1088'

1" fuel = 39.60 gals.
Fuel usage: 237.60 gals (26" used 6") start @ 32"

Ran 5 joints of 20# new 8 5/8" surface casing. Tally @ 212.89'. Set @ 224.89'. Cement with 160 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 11:00 a.m. on 03-23-09 by Allied Cement (tk#043527)

Day 2 Date 03-24-09 Tuesday Anhydrite (2513' - 2544')

7:00 am - Drilling @ 1315'
Ran 20.25 hours drilling. Down 3.75 hours (.75 rig check, 2.25 connection, .75 jet)
Mud properties: fresh water
Daily Mud Cost = \$2,452.60. Mud Cost to Date = \$2,452.60
Wt. on bit: 35,000, 80 RPM, 800# pump pressure
12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
7 7/8" bit #1 (in @ 227') = 29.00 hrs. - 2458'

Fuel usage: 475.20 gals (72" used 12") 26" + 58" delivered = 84"

Day 3 Date 03-25-09 Wednesday

7:00 am - Drilling @ 2685'
Ran 21.25 hours drilling. Down 2.75 hours (.75 rig check, .75 connection, 1.00 displace @ 3100', .25 rig repair)
Mud properties: wt. 8.9, vis. 49
Daily Mud Cost = \$2,945.45. Mud Cost to Date = \$5,398.05
Wt. on bit: 35,000, 80 RPM, 800# pump pressure
12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
7 7/8" bit #1 (in @ 227') = 50.25 hrs. - 3123'

Fuel usage: 475.20 gals (60" used 12")

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Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Steve Angle 785-483-1561 (cell) 785-625-3814 (office)		WELL NAME		SK #1-13
				LOCATION		2310' FSL & 1940' FEL Sec. 13-10S-31W Thomas County, KS
Rig #1 Phone Numbers				Russell Oil, Inc. PO Box 1469 Plainfield, IL 60544 815-609-7000		
620-794-2075	Rig Cellular (Dog house)			ELEVATION		
620-794-2078	Geologist Trailer Cellular			G.L. 2938'	K.B. 2948'	API# 15-193-20760-00-00
620-566-7324	Tool Pusher Cellular	Frank Rome				

Driving Directions: From Oakley: 8 miles East on Hwy. 40, 3 1/2 miles North on 37th Road, West into

Day 4 Date 03-26-09 Thursday

7:00 am – Drilling @ 3350'
Ran 22.50 hours drilling. Down 1.50 hours (.75 rig check, .75 connection)
Mud properties: wt. 9.2, vis. 60, water loss 6.0
Daily Mud Cost = \$1,039.05. Mud Cost to Date = \$6,437.10
Wt. on bit: 35,000, 80 RPM, 900# pump pressure
12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
7 7/8" bit #1 (in @ 227') = 72.75 hrs. - 3573'

Fuel usage: 514.80 gals (60" used 13") 60" + 13" delivered = 73"

Day 5 Date 03-27-09 Friday Survey @ 4090' = 1 1/4 degree
Pipe strap = 2.61 long to the board

7:00 am – Drilling @ 3800'
Ran 12.50 hours drilling. Down 11.50 hours (.50 rig check, .50 connection, .25 jet, 5.50 trip, 1.00 CTCH, .25 survey, 1.25 DST #1, .25 CFS @ 4085', 2.00 CFS @ 4090')
Mud properties: wt. 9.4, vis. 48, water loss 6.4
Daily Mud Cost = \$327.05. Mud Cost to Date = \$6,764.15
Wt. on bit: 35,000, 85 RPM, 900# pump pressure
12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
7 7/8" bit #1 (in @ 227') = 85.25 hrs. - 3863'

Fuel usage: 475.20 gals (48" used 12")

Day 6 Date 03-28-09 Saturday DST #1 (4066' – 4090')
LKC formation
Recovered 20' mud & 45' muddy water

7:00 am – On bottom with DST #1 @ 4090'
Ran 9.75 hours drilling. Down 14.25 hours (2.00 DST #1, 6.00 trip, 2.00 CTCH, .25 rig check, .25 rig repair, 1.00 CFS @ 4168', 1.25 CFS @ 4190', 1.50 CFS @ 4217')
Mud properties: wt. 9.7, vis. 47, water loss 6.8
Daily Mud Cost = \$0.00. Mud Cost to Date = \$6,764.15
Wt. on bit: 35,000, 85 RPM, 900# pump pressure
12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
7 7/8" bit #1 (in @ 227') = 95.00 hrs. - 3990'

Fuel usage: 396.00 gals (38" used 10")

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Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Steve Angle 785-483-1561 (cell) 785-625-3814 (office)		WELL NAME		SK #1-13	
Rig #1 Phone Numbers				LOCATION		2310' FSL & 1940' FEL Sec. 13-10S-31W Thomas County, KS	
620-794-2075		Rig Cellular (Dog house)		Russell Oil, Inc. PO Box 1469 Plainfield, IL 60544 815-609-7000			
620-794-2078		Geologist Trailer Cellular		ELEVATION		G.L. 2938' K.B. 2948' API# 15-193-20760-00-00	
620-566-7324		Tool Pusher Cellular		Frank Rome			

Driving Directions: From Oakley: 8 miles East on Hwy. 40, 3 1/2 miles North on 37th Road, West into

Day	7	Date	03-29-09	Sunday	DST #2 (4188' – 4217')
					<u>LKC formation</u>
					<u>Recovered 5' mud</u>

7:00 am – On bottom with DST #2 @ 4217'
 Ran 11.50 hours drilling. Down 12.50 hours (5.75 trip, 3.00 DST #2, 1.00 CTCH, 1.00 CFS @ 4250', .75 CFS @ 4275', .25 rig check, .25 connection, .50 CFS @ 4380')
 Mud properties: wt. 9.4, vis. 53, water loss 9.6
 Daily Mud Cost = \$0.00. Mud Cost to Date = \$6,764.15
 Wt. on bit: 35,000, 85 RPM, 900# pump pressure
 12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
 7 7/8" bit #1 (in @ 227') = 106.50 hrs. - 4153'

Fuel usage: 356.40 gals (29" used 9")

Day	8	Date	03-30-09	Monday	DST #3 (4258' – 4380')
					<u>LKC formation</u>
					<u>Recovered 30' mud</u>

7:00 am – CFS @ 4380'
 Ran 4.00 hours drilling. Down 20.00 hours (2.00 CFS @ 4380', 9.50 trip, 2.75 CTCH, 3.25 DST #3, .25 rig check, 2.25 CFS @ 4420')
 Mud properties: wt. 9.5, vis. 55, water loss 7.8
 Daily Mud Cost = \$1,212.35. Mud Cost to Date = \$7,976.50
 Wt. on bit: 35,000, 80 RPM, 900# pump pressure
 12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
 7 7/8" bit #1 (in @ 227') = 110.50 hrs. - 4193'

Fuel usage: 356.40 gals (20" used 9")

Day	9	Date	03-31-09	Tuesday	Survey @ 4600' = 2 degrees
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RTD = 4600'
LTD = 4596'

7:00 am – Drilling @ 4420'
 Ran 12.00 hours drilling. Down 12.00 hours (.75 rig check, .25 rig repair, 1.25 CFS @ 4484', 1.50 CFS @ 4520', 1.25 CFS @ 4555', 1.25 CFS @ 4565', 1.00 CTCH, .25 survey, 1.50 trip, 3.00 log)
 Mud properties: wt. 9.6, vis. 58, water loss 8.4
 Daily Mud Cost = \$296.50. **Total Mud Cost = \$8,273.00**
 Wt. on bit: 35,000, 80 RPM, 950# pump pressure
 12 1/4" bit #1 (in @ 0' out @ 227') = 1.00 hrs. - 227'
 7 7/8" bit #1 (in @ 227' out @ 4600') = 122.50 hrs. - 4373'

Fuel usage: 356.40 gals (62" used 9") 20" + 51" delivered = 71"

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Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Steve Angle 785-483-1561 (cell) 785-625-3814 (office)		WELL NAME		SK #1-13
Rig #1 Phone Numbers				LOCATION		2310' FSL & 1940' FEL Sec. 13-10S-31W Thomas County, KS
620-794-2075	Rig Cellular (Dog house)			Russell Oil, Inc. PO Box 1469 Plainfield, IL 60544 815-609-7000		
620-794-2078	Geologist Trailer Cellular			ELEVATION		G.L. 2938' K.B. 2948' API# 15-193-20760-00-00
620-566-7324	Tool Pusher Cellular	Frank Rome				

Driving Directions: From Oakley: 8 miles East on Hwy. 40, 3 1/2 miles North on 37th Road, West into

Day	10	Date	04-01-09	Wednesday	DST #4 (3996' – 4069')
					<u>LKC formation</u>
					<u>Recovered 2725' water</u>

7:00 am – Logging @ 4600'

Ran 0.00 hours drilling. Down 24.00 hours (4.00 log, 2.00 wait on orders, 10.50 trip, 4.00 DST #4, .25 rig repair, 1.50 CTCH, 1.75 DST #5)

Fuel usage: 118.80 gals (59" used 3")

Day	11	Date	04-02-09	Thursday	DST #5 (4044' – 4086')
					<u>LKC formation</u>
					<u>Recovered 465' muddy water</u>

7:00 am – On bottom with DST #5 @ 4600'

Ran 0.00 hours drilling. Down 16.00 hours (2.25 DST #5, 4.00 trip, 3.00 lay down pipe, .75 nipple down, 2.00 plug, 4.00 tear down)

Fuel usage: 118.80 gals (56" used 3")

Plug well with 220 sacks of 60/40 Poz, 4% gel, 1/4# floseal per sack

1st plug @ 2528' with 25 sacks. 2nd plug @ 1638' with 100 sacks. 3rd plug @ 275' with 40 sacks.

4th plug @ 40' with 10 sacks to surface. Plug rat hole with 30 sacks. Plug mouse hole with 15 sacks.

Job complete @ 7:00 p.m. on 04-02-09 by Allied Cement (tk #35037A)

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WICHITA, KS

**SOUTHWIND DRILLING, INC.
PLUGGING ORDERS AND REPORTS**

Lease: SK Lease #1-13

Plugging received from KCC representative:

Name: Ray Dinkel Date 3-31-09 ~~7-20~~ Time 1:30 PM

1st plug @ 2528 ft. 25 sx. Stands: 41

2nd plug @ 1638 ft. 100 sx. Stands: 26 1/2

3rd plug @ 275 ft. 40 sx. Stands: 4 1/2

4th plug @ 40 ft. 10 sx. Stands: _____

5th plug @ _____ ft. _____ sx. Stands: _____

Mousehole 15 sx.

Rahole 30 sx.

Total Cement used: 220 sx.

Type of cement 60/40 Poz, 4% Cel, 1/4" Flo Seal Per Sock

Plug down @ 7:00 PM 4-02-09

Call KCC When Completed:

Name: David Wahn Date 4-03-09 Time 11:15 AM

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**CONSERVATION DIVISION
WICHITA, KS**



CEMENTING LOG

STAGE NO.

Date: 4/2/09 District: Op Hls, K1 Ticket No. 03503AA
 Company: Amoco Oil Rig _____
 Lease: SK Well No. 1-13
 County: Thomas State: KS
 Location: Compton NPO RD Field _____
1/4 E W1/4

CEMENT DATA:
 Spacer Type: H₂O
 Amt. 10 Skys Yield _____ ft³/sk Density 8.3 PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type 60/40 40/20
1/4 1/2 1/4 Seal Excess _____
 Amt. 220 Skys Yield 1.4 ft³/sk Density 14.1 PPG

Casing Depths: Top _____ Bottom _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 2 7/8 T.D. _____ ft. P.B. to _____ ft.

WATER: Lead 607 gals/sk Tail _____ gals/sk Total _____ Bbls.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Pump Trucks Used 402 - W & W
 Bulk Equip. 399 - Boden

Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type H₂O Amt. _____ Bbls. Weight 8.3 PPG
 Mud Type Big Mud Weight 9.2 PPG

COMPANY REPRESENTATIVE Mark Roman

CEMENTER Alan Ryan

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/BM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
4:30						On location set up truck, start mix, circulate hole	
5:00				4.0	4.0	4.5	mix 25 SK @ 2528' Displace 32 BBL Pull to 1630' Big Mud
5:30				20.5	16.5	4.5	mix 100 SK @ 1638 Displace 8 BBL H ₂ O Pull to 275'
6:30				30	6 1/2	4.5	mix 40 SK @ 275' Displace 3 BBL pull to 40'
6:45				32	3.0		10 SKs Down 40' w/ Plug
6:50				35	5.0		30 SKs Down Rest Hole
6:55				38	3.0		15 SKs Down Monitor Hole
7:00							Job complete

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 WICHITA, KS

Thank You

