

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 #: 34259 Name: JAG Operations, Inc. Address 1: 710 S. Front Address 2: PO Box 628 City: Russell State: KS Zip: 67665 Contact Person: Jack Yost Phone: (785) 483-0271

API No. 15 - 167-23580-00-00

Spot Description: NW - NE - SE - NW Sec. 14 Twp. 13 S. R. 15 East West 1,330 Feet from North / South Line of Section 2,270 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Russell

Lease Name: Brungardt Well #: 1

Date Well Completed: D & A

The plugging proposal was approved on: 07-26-09 (Date)

by: Case Morris (KCC District Agent's Name)

Plugging Commenced: 07-27-09

Plugging Completed: 07-27-09

Type of Well: (Check one) Oil Well Gas Well OG 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.

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

Table with 6 columns: Oil, Gas or Water Records (Formation, Content), Casing Record (Surface, Conductor & Production) (Casing, Size, Setting Depth, Pulled Out). Row 1: *see attached drilling report, Surface, 8 5/8" new 20#, 255', 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 230 sacks of 60/40 Poz, 4% gel, 1/4# floseal per sack. 1st plug @ 3293' with 25 sacks. 2nd plug @ 989' with 25 sacks. 3rd plug @ 507' with 100 sacks. 4th plug @ 304' with 40 sacks. 5th plug @ 40' with 10 sacks to surface. Plug rat hole with 30 sacks. Job complete @ 10:30 a.m. on 07-27-09 by Quality Cement (tkr #3311)

KANSAS CORPORATION COMMISSION

JUL 30 2009

RECEIVED

Plugging Contractor License #: 33350 Name: Southwind Drilling, Inc. Address 1: 8 North Main Address 2: PO Box 276 City: Ellinwood State: KS Zip: 67526 Phone: (620) 564-3800

Name of Party Responsible for Plugging Fees: JAG Operations, Inc.

State of Kansas County, Barton, ss.

Renee Kasselmann, Office Manager for Southwind Drilling, Inc. Employee of Operator or Operator on above-described well.

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 07-29-09

SOUTHWIND DRILLING, INC.
PLUGGING ORDERS AND REPORTS

Lease: BRUNGART #1 (JAG OPERATIONS)

Plugging received from KCC representative:

Name: CASE MORRIS Date 8:00 P.M Time 7-26-09

1st plug @ 3293 ft. 25 sx. Stands: 54

2nd plug @ 989 ft. 25 sx. Stands: 16 1/2

3rd plug @ 507 ft. 100 sx. Stands: 8 1/2

4th plug @ 304 ft. 40 sx. Stands: 5

5th plug @ 40 ft. 10 sx. Stands: 1

Mousehole NA sx.

Rahole 30 sx.

Total Cement used: 230 sx.

Type of cement 60/40 F02, 4% GEL, 1/4" FLOSEAL (230 SX)

Plug down @ 10:30 A.M 7-27-09 By QUALITY, TEC # 3311

Call KCC When Completed:

Name: MARVIN MILLS Date 7-27-09 Time 10:30 A.M

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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3311

Date	7/27/09	Sec.	14	Twp.	13	Range	15 w	County	Russell	State	KS	On Location		Finish	10:30 AM
Lease	Brungardt		Well No.	1		Location	Russell, SW, 3N, 1/2W, N into								
Contractor	Southwind Drilling Rig # 2		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Type Job	Plug		Charge To	Jag Operations											
Hole Size	7 3/8"		T.D.	3340'											
Csg.			Depth												
Tbg. Size			Depth												
Drill Pipe	4 1/2"		Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.											
Press Max.			Minimum	1 # ft ^{5x} FLOSEAL CEMENT Amount Ordered 230 5x 60/40 4 1/2 gel											
Meas Line			Displace	Common											
Perf.			Poz. Mix												

EQUIPMENT

Pumptrk	9	No.	Cementer	Paul		Gel.
			Helper			Calcium
Bulktrk	4	No.	Driver	Blake		Mills
			Driver			Salt
Bulktrk		No.	Driver			
			Driver			

JOB SERVICES & REMARKS

Pumptrk Charge		Flowseal
Mileage		
Footage		
Total		Handling

Remarks:	Plug at 3293' - 25 5x	Mileage
	989' - 25 5x	Pump Truck Charge
	507' - 100 5x	
	304' - 40 5x	FLOAT EQUIPMENT
	40' - 10 5x	Guide Shoe
	Rathole - 30 5x	Centralizer
		Baskets
		AFU Inserts

8 5/8" Dry Hole Plug

Thank You!!

KANSAS CORPORATION COMMISSION

Rotating Head
Squeeze Mainfold

JUL 30 2009

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Signature: *Debra Lee*

Tax
Discount
Total Charge

SOUTHWIND DRILLING, INC.

RIG #2

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

DRILLING REPORT

Brungardt #1

Location: 2310' FWL & 1330' FNL
API#: 15-167-23580-00-00

Section 14-13S-15W
Russell County, Kansas

OWNER: : JAG Operations, Inc.
CONTRACTOR: Southwind Drilling, Inc. Rig #2

COMMENCED: 07-20-09
COMPLETED: 07-27-09

TOTAL DEPTH: Driller: 3340'
Logger: 3346'

Ground Elevation: 1817'
KB Elevation: 1826'

LOG:

0' - 390' Redbed
390' - 3340' Lime/Shale
3340' RTD

CASING RECORDS

Surface casing – 8 5/8"

Ran 7 joints of 20# new 8 5/8" surface casing. Tally @ 244.63'. Set @ 255'. Cement with 140 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 7:30 p.m. on 07-20-09 by Quality Cement (tk #3473).

Production casing – 5 1/2"

None – plugged the well

DEVIATION SURVEYS

3/4 degree (s) @ 260'
1 degree (s) @ 2778'
1/2 degree (s) @ 3340'

KANSAS CORPORATION COMMISSION

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MORNING DRILLING REPORT				Email to: JAG			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800			Wellsite Geologist: Mike Bair 402-694-1293	WELL NAME Brungardt #1		LOCATION 2310' FWL & 1330' FNL Sec. 14-13S-15W Russell County, KS	
Rig #2 Phone Numbers				JAG Operations, Inc. PO Box 628 Russell, KS 67665 785-445-4142			
620-617-5921	Rig Cellular (Dog house)	Yes		ELEVATION			
620-617-5920	Geologist Trailer Cellular	No		G.L. 1817'		K.B. 1826'	API# 15-167-23580-00-00
620-450-7682	Tool Pusher Cellular	Yes	LeWayne Tresner				

Driving Directions: From Russell (Hwy.40 & Hwy. 281): 6 miles West on Hwy. 40, 2 miles North, ½ mile East, North into.

Day 1 Date 07-20-09 Monday Survey @ 260' = ¾ degree

Moved Rig #2 on location

Spud @ 2:00 p.m.

Ran 7.25 hours drilling (1.75 drill rat hole, 2.75 drill 12 ¼, 2.75 drill 7 7/8"). Down 16.75 hours (5.25 move/rig up, .25 circulate, .25 trip, .25 rig check, .25 survey, 1.00 run casing/cement, 1.25 connection, 8.00 wait on cement, .25 drill plug)

Mud properties: fresh water

Daily Mud Cost = \$0.00. Mud Cost to Date = \$0.00

Wt. on bit: 15,000, 80 RPM, 600# pump pressure

12 ¼" bit #1 (in @ 0' out @ 260') = 2.75 hrs. - 260'

7 7/8" bit #1 (in @ 260') = 2.75 hrs. - 130'

1" fuel = 34.50 gals

Fuel usage: 276.00 gals (84" used 8") Start @ 48" + 44" delivered = 92"

Ran 7 joints of 20# new 8 5/8" surface casing. Tally @ 244.63'. Set @ 255'. Cement with 140 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 7:30 p.m. on 07-20-09 by Quality Cement (tkr #3473).

Day 2 Date 07-21-09 Tuesday

7:00 am - Drilling @ 390'

Ran 18.00 hours drilling. Down 6.00 hours (.75 rig check, 1.50 rig repair, 3.00 connection, .75 jet)

Mud properties: fresh water

Daily Mud Cost = \$387.75. Mud Cost to Date = \$387.75

Wt. on bit: 20,000, 80 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0' out @ 260') = 2.75 hrs. - 260'

7 7/8" bit #1 (in @ 260') = 20.75 hrs. - 1340'

Fuel usage: 310.50 gals (75" used 9")

Day 3 Date 07-22-09 Wednesday

7:00 am - Drilling @ 1600'

Ran 18.25 hours drilling. Down 5.75 hours (.75 rig check, 1.50 connection, 1.00 jet, 2.50 trip/hole in pipe)

Mud properties: fresh water

Daily Mud Cost = \$387.75. Mud Cost to Date = \$387.75

Wt. on bit: 25,000, 80 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0' out @ 260') = 2.75 hrs. - 260'

7 7/8" bit #1 (in @ 260') = 39.00 hrs. - 1958'

Fuel usage: 414.00 gals (63" used 12")

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Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800			Wellsite Geologist: Mike Bair 402-694-1293	WELL NAME Brungardt #1		LOCATION 2310' FWL & 1330' FNL Sec. 14-13S-15W Russell County, KS	
Rig #2 Phone Numbers				JAG Operations, Inc. PO Box 628 Russell, KS 67665 785-445-4142			
620-617-5921	Rig Cellular (Dog house)	Yes		ELEVATION		G.L. 1817'	K.B. 1826'
620-617-5920	Geologist Trailer Cellular	No		API# 15-167-23580-00-00			
620-450-7682	Tool Pusher Cellular	Yes	LeWayne Tresner				

Driving Directions: From Russell (Hwy.40 & Hwy. 281): 6 miles West on Hwy. 40, 2 miles North, ½ mile East, North into.

Day 4 Date 07-23-09 Thursday

7:00 am – Drilling @ 2218'

Ran 18.00 hours drilling. Down 6.00 hours (.75 rig check, 1.00 connection, .50 jet, 2.50 rig repair & trip/hole in pipe, 1.25 displace @ 2561')

Mud properties: wt. 8.5, vis. 58

Daily Mud Cost = \$0.00. Mud Cost to Date = \$387.75

Wt. on bit: 25,000, 80 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0' out @ 260') = 2.75 hrs. - 260'

7 7/8" bit #1 (in @ 260') = 57.00 hrs. - 2487'

Fuel usage: 345.00 gals (76" used 10") 63" + 23" delivered = 86"

Day 5 Date 07-24-09 Friday **Survey @ 2778' = 1 degree**
Pipe strap = .56 long to the board

7:00 am – Drilling @ 2747'

Ran 13.25 hours drilling. Down 10.75 hours (1.00 CTCH, 1.00 CFS @ 2926', 1.00 CFS @ 3035', 1.00 CFS @ 3060', 3.75 bit trip, .50 rig check, 1.00 rig repair, .25 survey, .50 connection, .25 jet, .50 short trip)

Mud properties: wt. 8.9, vis. 49

Daily Mud Cost = \$6,201.65. Mud Cost to Date = \$6,589.40

Wt. on bit: 30,000, 80 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0' out @ 260') = 2.75 hrs. - 260'

7 7/8" bit #1 (in @ 260' out @ 2778') = 58.75 hrs. - 2518'

7 7/8" bit #2 (in @ 2778') = 11.50 hrs. - 282'

Fuel usage: 310.50 gals (67" used 9")

Day 6 Date 07-25-09 Saturday **DST #1 (3004' – 3060')**
Kansas City formation
Recovered 145' gas and pipe,
425' mud cut water

7:00 am – CTCH @ 3060'

Ran 10.75 hours drilling. Down 13.25 hours (2.50 CTCH, 6.50 trip, .50 rig check, 3.00 DST #1, .50 connection, .25 jet)

Mud properties: wt. 9.0, vis. 60, water loss 9.6

Daily Mud Cost = \$855.00. Mud Cost to Date = \$7,444.40

Wt. on bit: 30,000, 80 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0' out @ 260') = 2.75 hrs. - 260'

7 7/8" bit #1 (in @ 260' out @ 2778') = 58.75 hrs. - 2518'

7 7/8" bit #2 (in @ 2778') = 22.25 hrs. - 473'

Fuel usage: 276.00 gals (59" used 8")

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Rig #2 Phone Numbers				JAG Operations, Inc. PO Box 628 Russell, KS 67665 785-445-4142			
620-617-5921	Rig Cellular (Dog house)	Yes		ELEVATION		G.L. 1817'	K.B. 1826'
620-617-5920	Geologist Trailer Cellular	No		API# 15-167-23580-00-00			
620-450-7682	Tool Pusher Cellular	Yes	LeWayne Tresner				

Driving Directions: From Russell (Hwy.40 & Hwy. 281): 6 miles West on Hwy. 40, 2 miles North, ½ mile East, North into.

Day 7 Date 07-26-09 Sunday Survey @ 3340' = ½ degree

DST #2 (3272' – 3282')
Arbuckle formation
Recovered 380' water

RTD = 3340'
LTD = 3346'

7:00 am – Drilling @ 3251'
Ran 3.25 hours drilling. Down 20.75 hours (1.25 CTCH, 6.50 trip, .25 rig check, 3.00 DST #2, .25 survey, 3.75 log, 4.75 lay down drill pipe, 1.00 wait on orders)
Mud properties: wt. 9.0, vis. 59, water loss 9.2
Daily Mud Cost = \$492.95. Total Mud Cost = \$7,937.45
Wt. on bit: 30,000, 80 RPM, 800# pump pressure
12 ¼" bit #1 (in @ 0' out @ 260') = 2.75 hrs. - 260'
7 7/8" bit #1 (in @ 260' out @ 2778') = 58.75 hrs. - 2518'
7 7/8" bit #2 (in @ 2778' out @ 3340') = 25.50 hrs. - 562'

Fuel usage: 172.50 gals (54" used 5")

Day 8 Date 07-27-09 Monday

7:00 am – Plugging @ 3340'
Ran 0.00 hours drilling. Down 8.00 hours (2.50 lay down pipe, 1.00 plug, 4.50 tear down/move)

Fuel usage: 34.50 gals (53" used 1")

Plug well with 230 sacks of 60/40 Poz, 4% gel, ¼# floeal per sack.
1st plug @ 3293' with 25 sacks. 2nd plug @ 989' with 25 sacks. 3rd plug @ 507' with 100 sacks.
4th plug @ 304' with 40 sacks. 5th plug @ 40' with 10 sacks to surface. Plug rat hole with 30 sacks.
Job complete @ 10:30 a.m. on 07-27-09 by Quality Cement (tkr #3311)

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