

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
December 2003
Type or Print on this Form
Form must be Signed
All blanks must be Filled

Lease Operator: L.D. Drilling, Inc.
Address: 7 SW 26 Ave., Great Bend, KS 67530
Phone: (620) 793-3051 Operator License #: 6039
Type of Well: Oil D & A Docket #: _____
(Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other) (If SWD or ENHR)
The plugging proposal was approved on: 04-16-07 (Date)
by: David Wahn (KCC District Agent's Name)
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 Number: 15 - 009-25045-00-00
Lease Name: Koester Homestead, Inc.
Well Number: 1
Spot Location (QQQQ): C - SW - NW - SW
1420 Feet from ☐ North / ☒ South Section Line
630 Feet from ☐ East / ☒ West Section Line
Sec. 27 Twp. 17 S. R. 12 ☐ East ☒ West
County: Barton
Date Well Completed: D & A
Plugging Commenced: 04-16-07
Plugging Completed: 04-17-07

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

Oil, Gas or Water Records		Casing Record (Surface Conductor & Production)				
Formation	Content	From	To	Size	Put In	Pulled Out
*see attached drilling		0'	438'	8 5/8" new 24#	427.90'	0'
report						

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 145 sacks of 60/40 Poz, 6% gel.

1st plug @ 3460' with 25 sacks. 2nd plug @ 870' with 25 sacks. 3rd plug @ 480' with 70 sacks.

4th plug @ 40' with 10 sacks to surface. Plug rat hole with 15 sacks. No mouse hole.

Job complete @ 4:15 am on 04-17-07 by Basic Cementing (tk #15980).

Name of Plugging Contractor: Southwind Drilling, Inc. License #: 33350

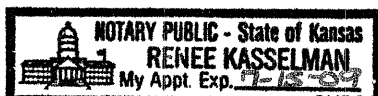
Address: PO Box 276, Ellinwood, KS 67526

Name of Party Responsible for Plugging Fees: L.D. Drilling, Inc.

State of Kansas County, Barton, ss.

Todd E. Morgenstern, VP/OP of 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) Todd E. Morgenstern

(Address) PO Box 276, Ellinwood, KS 67526

SUBSCRIBED and SWORN TO before me this 18 day of April, 20 07

Renee Kasselmann
Notary Public

My Commission Expires: 07-15-09

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

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CONSERVATION DIVISION
WICHITA KS

SOUTHWIND DRILLING, INC.

RIG #2

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

DRILLING REPORT

Koester Homestead #1

Location: 1420' FSL & 630' FWL
API#: 15-009-25045-00-00

Section 27-17S-12W
Barton County, Kansas

OWNER: _____: L.D. Drilling, Inc.
CONTRACTOR: Southwind Drilling, Inc. Rig #2

COMMENCED: 04-09-07
COMPLETED: 04-17-07

TOTAL DEPTH: Driller: 3525'
Logger: 3523'

Ground Elevation: 1939'
KB Elevation: 1948'

LOG:

0'	-	815'	Redbed
815'	-	843'	Anhydrite
843'	-	1418'	Shale
1418'	-	3525'	Lime/Shale
		3525'	RTD

CASING RECORDS

Surface casing – 8 5/8"

Ran 10 joints of 24# new 8 5/8" surface casing. Tally @ 427.90'. Set @ 438'. Cement with 325 sacks of 60/40 Poz, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 6:00 am on 04-10-07 by Jet Star (tk #15802).

Production casing – 5 1/2"

None – plugged the well

DEVIATION SURVEYS

1 3/4 degree (s)	@	440'
1 degree (s)	@	3383'

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WICHITA, KS

MORNING DRILLING REPORT				Fax to: 620-793-7237			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800			Wellsite Geologist: Kim Shoemaker 316-250-2013 620-792-2621		WELL NAME		Koester Homestead #1
					LOCATION		1420' FSL & 630' FWL Sec. 27-17S-12W Barton County, KS
Rig #2 Phone Numbers				L.D. Drilling, Inc. 7 SW 26 th Great Bend, KS 67530 620-793-3051			
620-617-5921	Rig Cellular (Dog house)	Yes					
620-617-5920	Geologist Trailer Cellular	No					
620-450-7682	Tool Pusher Cellular	Yes	LeWayne Tresner		ELEVATION	G.L. 1939'	K.B. 1948'
				API# 15-009-25045-00-00			

Driving Directions: From Claflin: 8 miles East on Hwy 4 (to NE 70 Ave), 1 ¼ miles North, West into.

Day	1	Date	04-09-07	Monday	Survey @ 440' = 1 ¾ degree
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Moved Rig #2 on location

Spud @ 6:30 pm

Ran 6.75 hours drilling (1.50 rat hole, 5.25 drill 12 ¼"). Down 17.25 hours (10.00 move/rig up, .25 rig repair, 1.25 connection, 2.00 circulate, .25 survey, .50 trip, 2.00 run casing/cement, 1.00 wait on cement)

Mud properties: wt. 9.6, vis. 36

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

Wt. on bit: all, 120 RPM, 550# pump pressure

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

1" fuel = 34.50 gals.

Fuel usage: 138.00 gals (66" used 4") Start @ 70"

Ran 10 joints of 24# new 8 5/8" surface casing. Tally @ 427.90'. Set @ 438'. Cement with 325 sacks of 60/40 Poz, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 6:00 am on 04-10-07 by Jet Star (tk #15802).

Day	2	Date	04-10-07	Tuesday
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7:00 am – Waiting on cement @ 440'

Ran 13.00 hours drilling. Down 11.00 hours (7.00 wait on cement, .50 drill plug, .50 rig check, 2.25 connection, .50 jet, .25 rig repair)

Mud properties: wt. 9.4, vis. 28

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

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

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

7 7/8" bit #1 (in @ 440') = 13.00 hrs. - 978'

Fuel usage: 276.00 gals (58" used 8")

Day	3	Date	04-11-07	Wednesday	Anhydrite (815'-843')
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7:00 am – Drilling @ 1418'

Ran 17.25 hours drilling. Down 6.75 hours (.75 rig check, 2.25 connection, .75 jet, 3.00 rig repair)

Mud properties: wt. 9.6, vis. 28

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

Wt. on bit: 25,000, 80 RPM, 900# pump pressure

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

7 7/8" bit #1 (in @ 440') = 30.25 hrs. - 1700'

Fuel usage: 345.00 gals (48" used 10")

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MORNING DRILLING REPORT				Fax to: 620-793-7237			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800			Wellsite Geologist: Kim Shoemaker 316-250-2013 620-792-2621		WELL NAME		Koester Homestead #1
					LOCATION		1420' FSL & 630' FWL Sec. 27-17S-12W Barton County, KS
Rig #2 Phone Numbers				L.D. Drilling, Inc. 7 SW 26 th Great Bend, KS 67530 620-793-3051			
620-617-5921	Rig Cellular (Dog house)	Yes					
620-617-5920	Geologist Trailer Cellular	No					
620-450-7682	Tool Pusher Cellular	Yes	LeWayne Tresner	ELEVATION	G.L. 1939'	K.B. 1948'	API# 15-009-25045-00-00

Driving Directions: From Claflin: 8 miles East on Hwy 4 (to NE 70 Ave), 1 ¼ miles North, West into.

Day	4	Date	04-12-07	Thursday
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7:00 am – Drilling @ 2140'

Ran 19.25 hours drilling. Down 4.75 hours (.75 rig check, 1.75 connection, .75 jet, 1.50 displace @ 2632')

Mud properties: wt. 8.6, vis. 50, water loss 9.6

Daily Mud Cost = \$4,145.90. Mud Cost to Date = \$4,145.90

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

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

7 7/8" bit #1 (in @ 440') = 49.50 hrs. - 2413'

Fuel usage: 379.50 gals (79" used 11") 48" + 42" delivered = 90"

Day	5	Date	04-13-07	Friday
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7:00 am – Drilling @ 2853'

Ran 21.75 hours drilling. Down 2.25 hours (.75 rig check, 1.00 connection, .50 jet)

Mud properties: wt. 9.0, vis. 49, water loss 9.0

Daily Mud Cost = \$731.95. Mud Cost to Date = \$4,877.85

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

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

7 7/8" bit #1 (in @ 440') = 71.25 hrs. - 2880'

Fuel usage: 345.00gals (69" used 10")

Day	6	Date	04-14-07	Saturday
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Survey @ 3383' = 1 degree
Pipe strap = .90 long to the board
DST #1 (3331' – 3383')
LKC "H" – "J" formation
Recovered 10' drilling mud

7:00 am – Drilling @ 3320'

Ran 8.75 hours drilling. Down 15.25 hours (.50 rig check, .25 connection, 1.25 circulate for samples @ 3383' & 3430',

9.50 trip, 1.50 CTCH, .25 survey, 2.00 DST #1)

Mud properties: wt. 9.0, vis. 52, water loss 9.6

Daily Mud Cost = \$105.00. Mud Cost to Date = \$4,982.85

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

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

7 7/8" bit #1 (in @ 440') = 80.00 hrs. - 3005'

Fuel usage: 207.00gals (63" used 6")

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MORNING DRILLING REPORT				Fax to: 620-793-7237			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800			Wellsite Geologist: Kim Shoemaker 316-250-2013 620-792-2621		WELL NAME		Koester Homestead #1
					LOCATION		1420' FSL & 630' FWL Sec. 27-17S-12W Barton County, KS
Rig #2 Phone Numbers				L.D. Drilling, Inc. 7 SW 26 th Great Bend, KS 67530 620-793-3051			
620-617-5921	Rig Cellular (Dog house)	Yes					
620-617-5920	Geologist Trailer Cellular	No					
620-450-7682	Tool Pusher Cellular	Yes	LeWayne Tresner		ELEVATION	G.L. 1939'	K.B. 1948'
				API# 15-009-25045-00-00			

Driving Directions: From Claflin: 8 miles East on Hwy 4 (to NE 70 Ave), 1 ¼ miles North, West into.

Day	7	Date	04-15-07	Sunday	DST #2 (3433'-3471')
					Arbuckle formation
					Recovered 5' oil cut mud

7:00 am – Drilling @ 3445'

Ran 2.00 hours drilling. Down 22.00 hours (.50 rig check, 1.25 CFS @ 3456', 1.25 CFS @ 3466', 1.25 CFS @ 3471', 1.25 CFS @ 3490', 1.00 CFS @ 3493', 10.50 trip, 3.75 DST #2 & DST #3, 1.00 CTCH, .25 wait on orders)

Mud properties: wt. 9.0, vis. 56, water loss 9.6

Daily Mud Cost = \$437.50. Mud Cost to Date = \$5,420.35

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

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

7 7/8" bit #1 (in @ 440') = 82.00 hrs. - 3053'

Fuel usage: 207.00gals (57" used 6")

Day	8	Date	04-16-07	Monday	DST #3 (3475'-3493')
					Arbuckle formation
					Recovered ??

RTD = 3525'

LTD = 3523'

7:00 am – Tripping out with DST #3 @ 3493'

Ran 1.25 hours drilling. Down 22.75 hours (1.75 CTCH, 6.50 trip, .50 DST #3, 2.50 log, 8.75 plug, 2.75 tear down)

Mud properties: wt. 9.2, vis. 49, water loss 10.4

Daily Mud Cost = \$0.00. **Total Mud Cost = \$5,420.35**

Wt. on bit: 30,000, 80 RPM, 900# pump pressure

12 ¼" bit #1 (in @ 0' out @ 440') = 5.25 hrs. - 440'

7 7/8" bit #1 (in @ 440' out @ 3525') = 83.25 hrs. - 3085'

Fuel usage: 103.50 gals (54" used 3")

Plug well with 145 sacks of 60/40 Poz, 6% gel.

1st plug @ 3460' with 25 sacks. 2nd plug @ 870' with 25 sacks. 3rd plug @ 480' with 70 sacks.

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

Job complete @ 4:15 am on 04-17-07 by Basic Cementing (tkr #15980).

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

Lease: KOESTER HOMESTEAD #1 (L.D. DRILLING)

Plugging received from KCC representative:

Name: DAVID WANN Date 4-16-07 Time 2:15 P.M.

1st plug @ 3460 ft. 25 sx. Stands: 57

2nd plug @ 870 ft. 25 sx. Stands: 14½

3rd plug @ 480 ft. 70 sx. Stands: 8

4th plug @ 40 ft. 10 sx. Stands: 1

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

Mousehole NA sx.

Rahole 15 sx.

Total Cement used: 145 sx.

Type of cement 60/40 Poz, 6% GEL

Plug down @ 4:15 A.M. By BASIC (4-17-07)

Call KCC When Completed:

Name: HERB DEINES Date 4-17-07 Time 8:05 A.M.

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Customer E.D. Drilling, Incorporated		Lease No. Roester Homestead		Date 4-16-07	
Field Order # 13,780		Station Pratt		County Barton	
Type Job Plug-To-Abandon/New Well		Formation W.D.P.		Legal Description 27-17-12W	
Well # 1		Depth 3,460 Ft.		State KS.	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ex		Rate	Press	Slip	
1 1/2" Drill Pipe				145 sacks	60/40/62 with 68 Gel		
Depth	Depth	From	To	Max	Min	5 Min	
				13.3 Lb./Gal.	8.09 Gal./sk.	1.31 cu. Ft./sk.	
Volume	Volume	From	To	Min		10 Min.	
Max Press	Max Press	From	To	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume	Total Load	

Customer Representative Lewayne Tresner		Station Manager David Scott		Treater Clarence R. Messick	
Service Units	19,870	19,803	19,833		
Driver Names	Messick	McGuire	Mattal		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					Trucks on location and hold safety meeting.
12:37		500		6	1 st Plug 3,460 Ft. - 25 sacks
		500	20	6	Start Freshwater pre-flush.
		400	27	6	Start mixing 25 sacks cement.
12:50	-0-		69		Start Drilling mud flush.
					Stop pumping.
3:15		250		5	2 nd Plug 870 Ft. - 25 sacks
		250	10	5	Start Fresh water pre-flush.
		100	17	5	Start mixing 25 sacks cement.
3:20	-0-		22		Start Fresh water flush.
					Stop pumping.
3:40		200		5	3 rd Plug 480 Ft. - 70 sacks
		50	21	5	Start mixing cement.
3:47	-0-		22		Start freshwater flush.
					Stop pumping.
4:05	-0-				4 th Plug 40 Ft. - 10 sacks
4:06	-0-		3	2	Start mixing cement.
					Cement Circulated to surface.
					Stop pumping.
			4	2	Plug rat hole.
					Wash up pump truck.
5:00					Job Complete.

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