

ls/gry, wh, ch, usy, few
 qtz, poor vis

??

~ blk carb. sh

ls/tan/sx to few qtz
 poor

~ blk / grey sh

~ ls/gry - tan (sx) few foss
 tag A (poor vis)

~ ls, tan foss, ch usy
 tr. foss

~ blk carb. sh
 Infes

ls/gry - tan, fuzzy, few
 tag poor

~ ls, tan, cum, oom, foss,
 silt, sh, sl, sc, tr. foss, tr. foss
 samples broken

ls/gry, wh, ch, usy
 tag (poor)

??

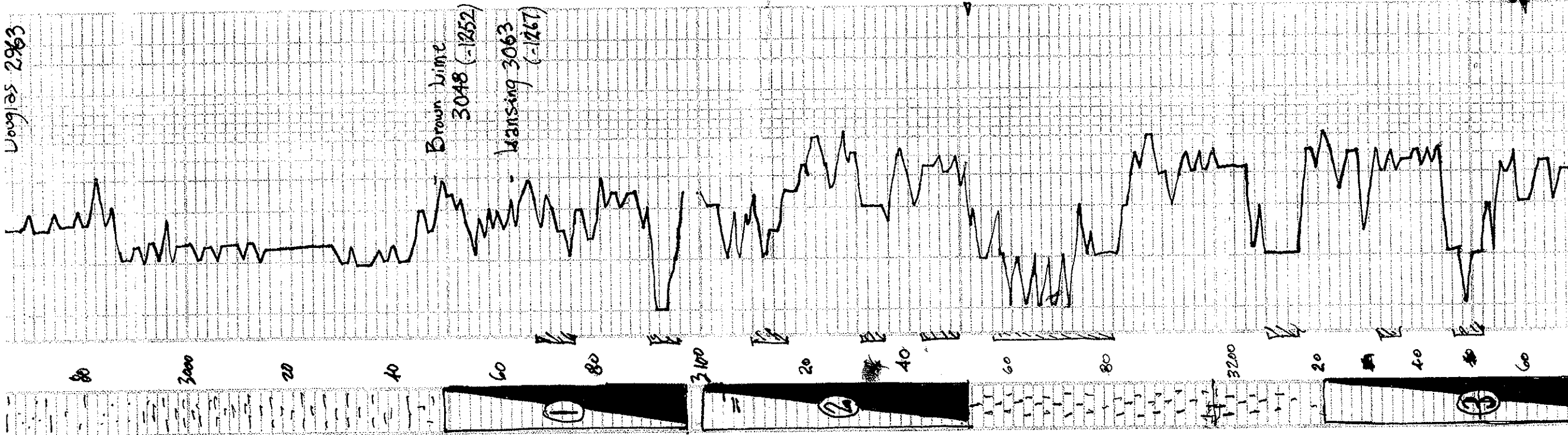
~ blk carb. sh

??

ls/gry, wh, ch, usy

ls/gry, wh, ch, usy - dense

Douglas 2963



Brown lime
3048 (-1252)

transing 3063
(-1267)

v.c. soft silty sh.

z z

grey silty sh. mica silty sh. soft sh.

z z

ca.

ls, tan, brown, fsh, slightly A by case

ls, grey, w/wh, fsh, ~~congl~~ congl, cherty, br. sh, 2-5, f.c. odor

ls, grey, w/wh, congl, br. sh, 5-6, odor

z z

60' gassy mud oil, tr. mud

ls, tan, grey, sub, congl, cherty, br. sh, 5-6, f.c. odor

120' clean gassy oil

ls, w/wh, grey, oil, scatt, golden brown, sh, 5-6, f.c. odor

ls, w/wh, grey, oil, few sub, congl, br. sh, 5-6, f.c. odor

ls, tan, grey, congl, good congl. (barren)

z z

blk carb. sh.

ls, tan, w/wh, congl, good congl. (barren)

ls, w/wh, grey, oil, cherty, congl, br. sh, 5-6, f.c. odor

z z

ls, grey, w/wh, oil, congl, br. sh, 5-6, no odor

Dst # 1 3049-3096

30-45-45-60 Blow, strng, G.T.S. 13 mins

REC 130' OGCM (15% oil, 15% gas, 70% mud)

28' mud cut gassy oil (30% gas, 50% oil, 20% mud)

pressures, ISIP 836 psi fsp 831" Isp 84-158" fsp 140-211" NSH

1507 -1468

60' gassy mud oil, tr. mud 120' clean gassy oil

Dst # 2 3100-3151

30-45-45-60 Blow, strng, G.T.S. 2 mins, gas-gauged

10 mins 9,520 c/gpd 20 " 9,520 " 30 " 9,200 " 40 " 8,410 "

2nd opening G.T.S. - T.S. T.M.

Rec, 95' oil, f.c. cut mud (40% gas, 20% oil, 40% mud)

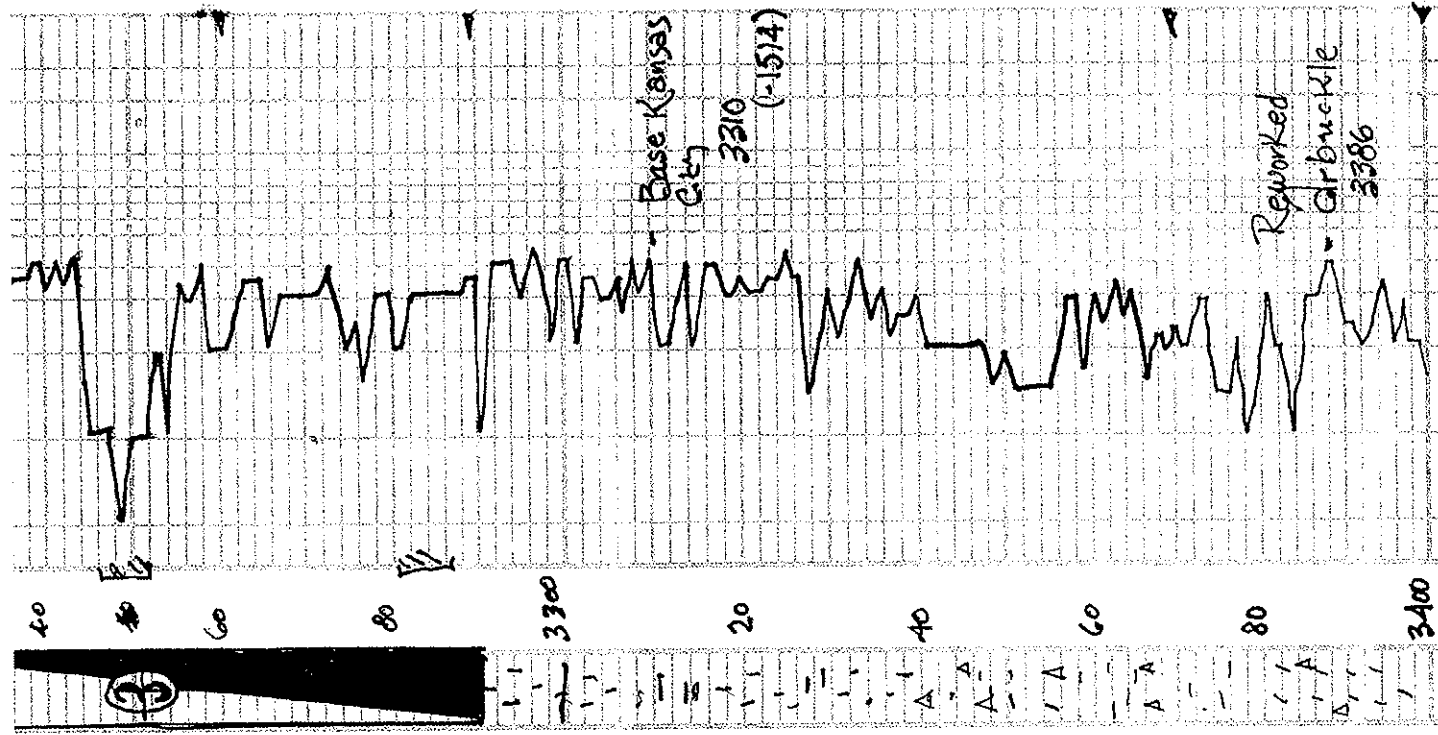
pressures, ISIP 741-788 fsp 753" Isp 55-63" fsp 72-80" NSH

1538 -1508

Dst # 3 3220-3290

30-30-30-45 Blow, weak

REC/15' mud pressures, ISIP 694



5th qy - brown, slim, info, no odor
 1st qy (M) w/ oil, com, br. skin, 2nd qy, no odor
 2nd qy w/ oil / foss
 3rd qy / blk. sh.
 4th / w/ (py), chiky, few foss anky
 5th qy - wh, shaly, w/ part
 6th qy / green sh.
 7th, wh (py), chiky, br. blk / py sh, info, no odor
 8th sh. aa + info
 9th, wh / py anky
 10th - brack. red / brown sh.
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DR # 3 3221-3290
 30.30.30-45
 Blow weak
 REC / 15' mud
 PRESSURE / ISIP 694 PA
 53 PT 12 11
 55 P 61-63"
 55 P 65-67"
 MSH
 1628-109'

1796 KB -

COPLAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

Page: 1

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
 C39319-IN

BILL TO:
 K & N PETROLEUM
 1105 WALNUT
 GREAT BEND, KS 67530

LEASE: KLEPPER 1-34

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
04/12/2012	C39319		04/10/2012		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
15.00	MI	CEMENT MILEAGE PU TRUCK		0.00	2.00	30.00
15.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	4.00	60.00
1.00	EA	CEMENT PUMP CHARGE		0.00	1,600.00	1,600.00
175.00	SAX	60-40 POZ MIX 2% GEL		0.00	9.25	1,618.75
400.00	LB	GILSONITE		0.00	0.50	200.00
100.00	LB	FRICTION REDUCER C-37		0.00	3.75	375.00
1,200.00	LB	SALT		0.00	0.18	216.00
750.00	LB	MUD FLUSH		0.00	0.80	600.00
5.00	EA	5 1/2: CENTRALIZERS		0.00	65.00	325.00
1.00	EA	BASKET		0.00	155.00	155.00
1.00	EA	5 1/2" LATCH DOWN PLUG/BAFFLE		0.00	175.00	175.00
1.00	EA	5 1/2 INSERT FLOAT SHOE W/AUTO		0.00	355.00	355.00
201.00	EA	CEMENT PUMP CHARGE		0.00	1.25	251.25
1.00	MI	MIN. CEMENT MILEAGE PUMP TRUCK		0.00	150.00	150.00
REMIT TO:		COP		Net Invoice:		6,111.00
P.O. BOX 438 HAYSVILLE, KS 67060		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OTHER CHARGES		BATCO Sales Tax:		208.87
RECEIVED BY		K & N PETROLEUM, INC.		Invoice Total:		6,319.87
		Lease Name: KLEPPER #1-34				

Cement & Float Equipment to Cement Long Spring

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid Cement is a subsidiary of the Great Oil Field Service
 Grosset Oil Field Service reserves a security interest in the goods sold until the same are paid for in full or a reserve at the rights of a secured party under the Uniform Commercial Code

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 OTHER POSTED

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ELAND

POST OFFICE BOX 438
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Acid & Cement

BURRTON, KS (620) 463-5161
 FAX (620) 463-2104

GREAT BEND, KS (620) 793-3366
 FAX (620) 793-3536

INVOICE NUMBER:
 C39315-IN

BILL TO:
 K & N PETROLEUM
 1105 WALNUT
 GREAT BEND, KS 67530

LEASE: KLEPPER 1-34

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
04/11/2012	C39315		04/03/2012		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
15.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	4.00	60.00
15.00	MI	CEMENT MILEAGE PU TRUCK		0.00	2.00	30.00
1.00	EA	CEMENT PUMP CHARGE		0.00	1,100.00	1,100.00
300.00	SAX	COMMON CEMENT		0.00	11.25	3,375.00
11.00	SAX	CALCIUM CHLORIDE - SAX		0.00	40.00	440.00
1.00	EA	8 5/8 WOOD PLUG		0.00	65.00	65.00
1.00	EA	8 5/8 BAFFLE PLATE		0.00	105.00	105.00
311.00	EA	BULK CHARGE		0.00	1.25	388.75
218.10	MI	BULK TRUCK - TON MILES		0.00	1.10	239.91
<p><i>Cement Surface Pipe</i></p> <p>K & N PETROLEUM, INC.</p> <p>Lease Name <u>Klepper 1-34</u></p> <p>JIB <input checked="" type="checkbox"/> OFFICE <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/> POSTED <input type="checkbox"/></p>						
REMIT TO:		COP		Net Invoice:		5,803.66
P.O. BOX 438 HAYSVILLE, KS 67060		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		BATCO Sales Tax:		92.71
RECEIVED BY _____		NET 30 DAYS		Invoice Total:		<u>5,896.37</u>

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There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.

SOUTHWIND DRILLING, INC.

RIG #6

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

DRILLING REPORT

Klepper #1-34

Location: 330' FNL & 990' FWL
API#: 15-009-25674-00-00

Section: 34-18S-11W
Barton County, Kansas

OWNER: K&N Petroleum
CONTRACTOR: Southwind Drilling, Inc.

COMMENCED: 04/02/2012
COMPLETED: 04/10/2012

TOTAL DEPTH: Driller: 3400'
Logger: 3400'

Ground Elevation: 1788'
KB Elevation: 1796'

LOG:

0'	-	365'	Surface Hole
365'	-	2040'	Sand / Shale
2040'	-	3096'	Lime / Shale
3096'	-	3109'	Lansing A&B
3109'	-	3385'	Lime / Shale
3385'	-	3400'	Arbuckle
		3400'	RTD

CASING RECORDS

Surface casing

Ran 9 joints with new 24# 8 5/8" casing, Tally @ 352', Set @ 362', cemented with 300 sacks of common, 3% cc, cement did circulate, by Copeland (Ticket #C39315), plug was down @ 5:45 am on 4/3/2012.

Production casing

Ran 81 joints of new 15.5# 5 1/2" casing, Tally @ 3381', Set @ 3389', cemented with 150 sacks of 60/40 Poz, 2% gel, 18% salt, 1/2% CFR2, 2% gilsonite, by Copeland (Ticket #C39319), plug was down @ 1:15 am on 4/10/2012.

DEVIATION SURVEYS

0 degree(s) @ 365'
1/2 degree(s) @ 3096'

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MORNING DRILLING REPORT

SOUTHWIND DRILLING, INC.

PO Box 276

8 North Main

Ellinwood, Kansas 67526

PH: (620) 564-3800

Fax: (620) 564-3845



Well Name: Klepper #1-34

Location: 330' FNL & 990' FWL

Section: 34-18S-11W

Barton County, Kansas

Elevation: G.L. 1788'

K.B. 1796'

API# 15-009-25674-00-00

Rig #6

Toolpusher (**Wes Pfaff**): (620) 566-7094

Rig #6 (Doghouse): (620) 566-7156

Wellsite Geologist : (**Jim Musgrove**) (620) 786-0839

Est. RTD - 3450'

K&N Petroleum

1105 Walnut

Great Bend, KS 67530

PH: (620) 793-6005

Email to: **K&N Petroleum**

Day	1
-----	---

Date 4/2/2012 Monday

Spud @ 7:30 pm on 4/2/2012

Ran 5.25 drilling (4.75 drilling, .50 drill rat hole), down 18.75 hours (10.00 move and rig up, 1.50 connections, 2.00 repair, .25 jet, .25 survey, .50 circulate, 1.75 run casing, .50 cement, 1.25 WOC, .75 trip).

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

Mud Weight = 9.8, VIS = 35

Weight on Bit = 8,000, RPM = 100, Pump Pressure = 600

Hours on Bit = #1 - 4.75 hours

Fuel usage: 163.35 gallons (63" used 4" = 59", delivered 21" = 80")

Ran 9 joints with new 24# 8 5/8" casing, Tally @ 352', Set @ 362', cemented with 300 sacks of common, 3% cc, cement did circulate, by Copeland (Ticket #C39315), plug was down @ 5:45 am on 4/3/2012.

Day	2
-----	---

Date 4/3/2012 Tuesday Survey @ 0 degree @ 365'

7:00 am Wait on cement @ 365'

Hole Made: 365'

Ran 13.75 drilling (12.75 drilling, 1.00 drill plug), down 10.25 hours (6.75 WOC, 2.25 connections, 1.00 repair, .25 jet)

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

Mud Weight = 9.8, VIS = 35

Weight on Bit = 10,000, RPM = 75, Pump Pressure = 800

Hours on Bit = #1 - 4.75 hours, #2 - 13.75 hours

Fuel usage: 244.94 gallons (80" used 9" = 71")

Day	3
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Date 4/4/2012 Wednesday

7:00 am Drilling @ 1105'

Hole Made: 740'

Ran 20.25 drilling, down 3.75 hours (2.75 connections, .50 jet, .50 repair)

Daily Mud Cost = \$2375.95, Mud Cost to Date = \$2375.95

Mud Weight = 9.6, VIS = 30

Weight on Bit = 21,000, RPM = 70, Pump Pressure = 850

Hours on Bit = #1 - 4.75 hours, #2 - 34.00 hours

Fuel usage: 333.45 gallons (71" used 9" = 62")

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MORNING DRILLING REPORT

SOUTHWIND DRILLING, INC.

PO Box 276

8 North Main

Ellinwood, Kansas 67526

PH: (620) 564-3800

Fax: (620) 564-3845



Well Name: Klepper #1-34

Location: 330' FNL & 990' FWL

Section: 34-18S-11W

Barton County, Kansas

Elevation: G.L. 1788'

K.B. 1796'

API# 15-009-25674-00-00

Rig #6

Toolpusher (Wes Pfaff): (620) 566-7094

Rig #6 (Doghouse): (620) 566-7156

Wellsite Geologist : (Jim Musgrove) (620) 786-0839

Est. RTD - 3450'

K&N Petroleum

1105 Walnut

Great Bend, KS 67530

PH: (620) 793-6005

Email to: K&N Petroleum

Day	4	Date	4/5/2012	Thursday	Displaced @ 2576'
-----	---	------	----------	----------	-------------------

7:00 am Drilling @ 2040'

Hole Made: 935'

Ran 20.25 drilling, down 3.75 hours (1.75 connections, .75 jet, 1.00 repair, .25 displace).

Daily Mud Cost = \$3615.20, Mud Cost to Date = \$5991.15

Mud Weight = 8.6, VIS = 70

Weight on Bit = 30,000, RPM = 75, Pump Pressure = 800

Hours on Bit = #1 - 4.75 hours, #2 - 55.25 hours

Fuel usage: 338.20 gallons (62" used 8"= 54")

Day	5	Date	4/6/2012	Friday	
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7:00 am Drilling @ 2760'

Hole Made: 720'

Ran 10.75 drilling, down 13.25 hours (1.00 connections, 3.25 circulate, 5.25 trip, .25 survey, .75 tool, 2.75 testing).

Daily Mud Cost = \$387.70, Mud Cost to Date = \$6378.85

Mud Weight = 8.9, VIS = 55, WL = 7.6

Weight on Bit = 30,000, RPM = 80, Pump Pressure = 850

Hours on Bit = #1 - 4.75 hours, #2 - 66.00 hours

Fuel usage: 268.27 gallons (54" used 6"= 48")

Day	6	Date	4/7/2012	Saturday	Survey @ 1/2 degree @ 3096'
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DST #1 (3049' - 3096')

Rec. 2614' gas in pipe

130' gassy oil cut mud

300' muddy gas cut oil

Pipe Strap - 0.03 long to the board

7:00 am Testing DST #1 @ 3096'

Hole Made: 336'

Ran 4.75 drilling, down 19.25 hours (2.75 circulate, 10.25 trip, 1.50 tool, 3.25 testing, 1.50 repair).

Daily Mud Cost = \$0.00, Mud Cost to Date = \$6378.85

Mud Weight = 8.8, VIS = 56

Weight on Bit = 30,000, RPM = 75, Pump Pressure = 650

Hours on Bit = #1 - 4.75 hours, #2 - 66.00 hours, #3 - 4.75 hours

Fuel usage: 136.63 gallons (48" used 3"= 45")

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MORNING DRILLING REPORT

SOUTHWIND DRILLING, INC.

PO Box 276
8 North Main
Ellinwood, Kansas 67526
PH: (620) 564-3800
Fax: (620) 564-3845



Well Name: Klepper #1-34
Location: 330' FNL & 990' FWL
Section: 34-18S-11W
Barton County, Kansas
Elevation: G.L. 1788'
K.B. 1796'
API# 15-009-25674-00-00

Rig #6

Toolpusher (Wes Pfaff): (620) 566-7094
Rig #6 (Doghouse): (620) 566-7156
Wellsite Geologist: (Jim Musgrove) (620) 786-0839

Est. RTD - 3450'
K&N Petroleum
1105 Walnut
Great Bend, KS 67530
PH: (620) 793-6005
Email to: K&N Petroleum

Day	Date	Time	Event
7	4/8/2012	Sunday	DST #2 (3100' - 3151')
			Rec. 95' gassy mud cut oil
			DST #3 (3221' - 3290')
			Rec. 15' mud

7:00 am Drilling @ 3200'

Hole Made: 104'

Ran 9.00 drilling, down 15.00 hours (.50 connections, 4.75 circulate, 6.25 trip, 1.00 tool, 2.25 testing, .25 fill pre-mix).

Daily Mud Cost = \$906.65, Mud Cost to Date = \$7285.50

Mud Weight = 8.9, VIS = 50, WL = 9.6

Weight on Bit = 30,000, RPM = 80, Pump Pressure = 600

Hours on Bit = #1 - 4.75 hours, #2 - 66.00 hours, #3 - 13.75 hours

Fuel usage: 183.15 gallons (45" used 4" = 41")

Day	Date	Time	Event
8	4/9/2012	Monday	RTD = 3400'
			LTD = 3400'

7:00 am Drilling @ 3385'

Hole Made: 185'

Ran .50 drilling, down 23.50 hours (2.00 jet, 3.50 trip, 2.50 circulate, 4.75 logs, 1.00 nipple down, lay down Kelly and swivel, 3.25 lay down pipe, 2.00 run casing, .75 cement, 3.75 rig down).

Daily Mud Cost = \$483.65, Mud Cost to Date = \$7769.15

Mud Weight = 9.0, VIS = 46, WL = 10.4

Weight on Bit = 30,000, RPM = 80, Pump Pressure = 800

Hours on Bit = #1 - 4.75 hours, #2 - 66.00 hours, #3 - 14.25 hours

Fuel usage: 182.74 gallons (41" used 4" = 37")

Ran 81 joints of new 15.5# 5 1/2" casing, Tally @ 3381', Set @ 3389', cemented with 150 sacks of 60/40 Poz, 2% gel, 18% salt, 1/2% CFR2, 2% gilsonite, by Copeland (Ticket #C39319), plug was down @ 1:15 am on 4/10/2012.

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