

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33019
 Name: Rosewood Resources, Inc.
 Address: 2711 N. Haskell Ave., Suite 2800, LB 22
 City/State/Zip: Dallas, TX 75201
 Purchaser: _____
 Operator Contact Person: Tom Roelfs
 Phone: (970) 324-1686
 Contractor: Name: Mann Drilling Company
 License: n/a
 Wellsite Geologist: Steven VonFeldt
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>11/18/2006</u>	<u>11/27/2006</u>	<u>11/28/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

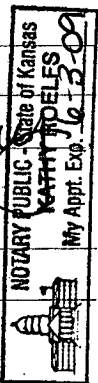
API No. 15 - 181-20486-0100
 County: Sherman
 SE SE SW SE Sec. 14 Twp. 7 S. R. 39 East West
138 feet from (S) N (circle one) Line of Section
1649 feet from (E) W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Carney Well #: 34-14H
 Field Name: Goodland
 Producing Formation: Niobrara
 Elevation: Ground: 3575' Kelly Bushing: 3588'
 Total Depth: 3121' Plug Back Total Depth: 3079'
 Amount of Surface Pipe Set and Cemented at 378' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 1125' Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan A/I/NH 6-25-08
 (Data must be collected from the Reserve Pit)
 Chloride content 5000 ppm Fluid volume 200 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Dannell Gevel
 Title: Production Asst. Date: 2-1-07
 Subscribed and sworn to before me this 1 day of February
2007
 Notary Public: Kathy Roelfs
 Date Commission Expires: 6-30-09



KCC Office Use ONLY

N Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
 KANSAS CORPORATION COMMISSION
 FEB 02 2007
 CONSERVATION DIVISION
 WICHITA, KS

Operator Name: Rosewood Resources, Inc. Lease Name: Carney Well #: 34-14H
 Sec. 14 Twp. 7 S. R. 39 East West County: Sherman

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: GR	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Niobrara 1013' KB 12
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9 1/2"	7"	17#	378'	type 1	100	n/a
Intermediate	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Production	6 1/8"	4 1/2"	10.5#	3079'	type 1 & 2	50	n/a

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3006' to 3021'	n/a	

TUBING RECORD Size Set At Packer At none	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 1/24/2007	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity 44	

Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____
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RECEIVED
KANSAS CORPORATION COMMISSION
FEB 02 2007
CONSERVATION DIVISION
WICHITA, KS

SCHAAL DRILLING, CO.
PO BOX 416
BURLINGTON, CO. 80807
719-346-8032

FIELD REPORT
SURFACE CASING, DRILLING AND CEMENTING

DRILLING DATE 11-18-06

WELL NAME & LEASE # Carney 34-14H

MOVE IN, RIG UP, DIG PITS ETC. DATE 11-17-06 TIME 2:30 AM PM

SPUD TIME 7:30 AM PM SHALE DEPTH 270 TIME 9:00 AM PM

HOLE DIA. 9 1/2 FROM 0 TO 370 TD TIME 9:45 AM PM

CIRCULATE, T.O.O.H., SET 365.33 FT CASING 378.33 KB FT DEPTH

9 JOINTS 7 OD #/FT 14 15.5 17 20 23

PUMP 100 SAC CEMENT 584 GAL.DISP. CIRC. 2 BBL TO PIT

PLUG DOWN TIME 11:15 AM PM DATE 11-18-06

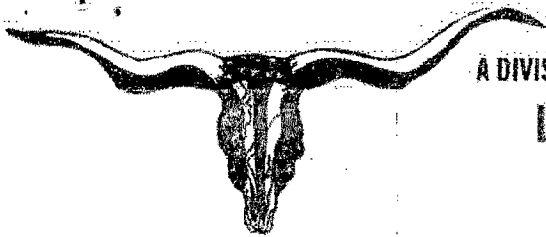
CEMENT LEFT IN CSG. 30'
CENTRALIZER 1

TYPE: PORTLAND CEMENT I/II ASTM C 150
CEMENT COST \$ 1644.91

ELEVATION 3574
+12KB 3586

PIPE TALLY

1. 40.70
 2. 40.85
 3. 40.85
 4. 40.75
 5. 40.63
 6. 41.00
 7. 39.45
 8. 40.20
 9. 40.90
 - 10.
 - 11.
 - 12.
 - 13.
- 365.33



A DIVISION OF ADVANCED DRILLING TECHNOLOGIES, LLC.

LONGHORN CEMENTING CO.

P.O. BOX 203 YUMA, COLORADO 80759
Phone: 970-848-0799 Fax: 970-848-0798

DATE 11-27-06 TICKET NO. 0916

DATE OF JOB	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.
CUSTOMER <u>RRI</u>		LEASE <u>Carney 34-14 H</u>	WELL NO.				
ADDRESS		COUNTY	STATE				
CITY	STATE	SERVICE CREW <u>MARK-Jorge-VAN</u>	EQUIPMENT <u>UNIT # III</u>				
AUTHORIZED BY		TRUCK CALLED					
TYPE JOB: <u>Largstacing</u>	DEPTH FT.	CEMENT DATA: BULK <input type="checkbox"/>	SAND DATA: SACKS <input type="checkbox"/>	DATE AM PM			
SIZE HOLE: <u>6 1/8</u>	DEPTH FT.	SACKS	BRAND	TYPE	% GEL	ADMIXES	ARRIVED AT JOB
SIZE & WT. CASTING <u>4 1/2</u>	DEPTH FT.	<u>50</u>	<u>A</u>	<u>1-11</u>			START OPERATION
SIZE & WT. O PIPE OR TUBING	DEPTH FT.						FINISH OPERATION
TOP PLUGS	TYPE:	WEIGHT OF SLURRY: <u>13.4</u>	LBS. / GAL.	LBS. / GAL.	RELEASED		
		VOLUME OF SLURRY: <u>1.20</u>			MILES FROM STATION TO WELL		
<u>PB101125</u>	MAX DEPTH FT.	MAX PRESSURE		PSI			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only these terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without written consent or an officer of Advanced Drilling Technologies, LLC.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM / PRICE REF. NUMBER	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>001-2</u>	<u>Depthcharge - Cement - Alltrage</u>	<u>2</u>		<u>1500</u>	<u>3000.00</u>
<u>200-1</u>	<u>Mileage</u>	<u>180</u>			<u>1953.00</u>
<u>200-1</u>	<u>Cement</u>	<u>50</u>			<u>875.00</u>
					<u>4328.00</u>
<u>1730</u>	<u>OPENED 1400PS Packer</u>				
<u>1735</u>	<u>Cement 11.5 BBLs</u>				
<u>1745</u>	<u>Displaced 17.9</u>				
<u>1800</u>	<u>Bumped Closing Plug @ 2400</u>				

ACID DATA:			
	GALLONS	%	ADDITIVES
HCL			
HCL			

SUB TOTAL		
SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
FIELD SERVICE ORDER NO. _____ (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

NQL Energy Services (US), Inc.



Company: Rosewood Resources Inc
 Well: Carney #34-4H
 Field: Sherman
 County: Sherman Well ID: #34-14H
 State: KS Country: US United States Job Number: H006-0036-17

Location: Sherman County Other Services: Directional, Survey, Logging Gamma

Permanent Datum: 3574.9'G+3'KB Elev.: 3587.90 Elev. KB: KB
 Log From: 480' above permanent datum Elev DF:
 Drilling From: 524' above permanent datum Elev GL:
 Longitude: 0.00° Latitude: 0.00°

Run Number: #1
 Start Date: 11/25/06
 Start Time: 7:00
 End Date: 11/27/06
 End Time: 5:30
 Run Hours: 41.33
 Run Description: Directional, Survey, Gamma Log
 Start Log Depth: 480'
 End Log Depth: 3060'
 Survey Offset: 50'
 Gamma Offset: 43'
 Pressure Offset: N/A
 Resistivity Offset: N/A
 Drilling Fluid Type: Water
 Fluid Resistivity: N/A
 Density/Viscosity: N/A
 Max. Downhole Temp.: N/A
 Operator 1: Tony Stefano
 Operator 2: Joel Forney
 TieIn TVD: 0.00°
 TieIn Inclination: 0.00°
 TieIn Azimuth: 0.00°

EM Transmitter Equipment
 Serial Number: TX-194
 OCV: N/A
 Power Setting: Low

Directional Survey Equipment
 Serial Number: DS-134

Gamma Ray Equipment
 Serial Number: GMR-101
 Measurement Type: Feet
 Detector Type: Scintillation
 Detector Size: .75"x4"
 Calibration Source API: 177
 Background CPS: 61
 Calibrator CPS: 1.12739

Annular Pressure Equipment
 Serial Number: N/A
 Full Scale Range: N/A

Pipe Pressure Equipment
 Serial Number: N/A
 Full Scale Range: N/A

Resistivity Equipment
 Serial Number: N/A
 Measurement Type: Feet
 Full Scale Range: N/A

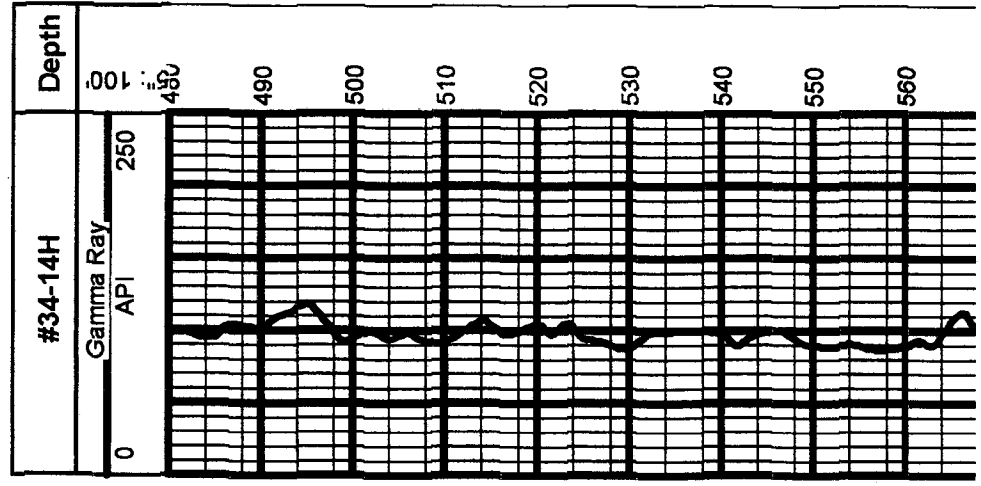
BHA
 Diameter: 4.75

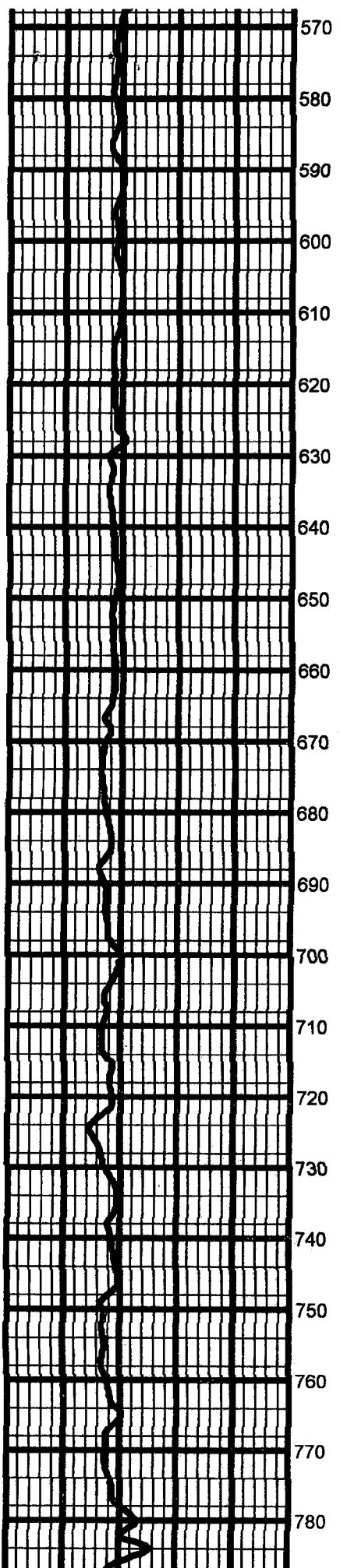
EM Tool String
 Overall Length: 30.7
 Diameter: 1 7/8

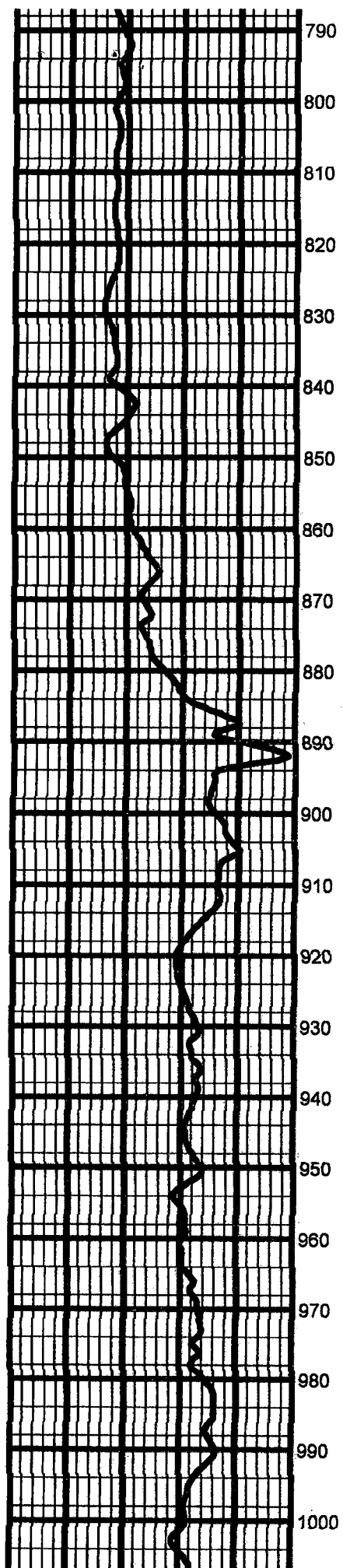
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees. These interpretations are also subject to our general terms and conditions set out in our current price schedule.

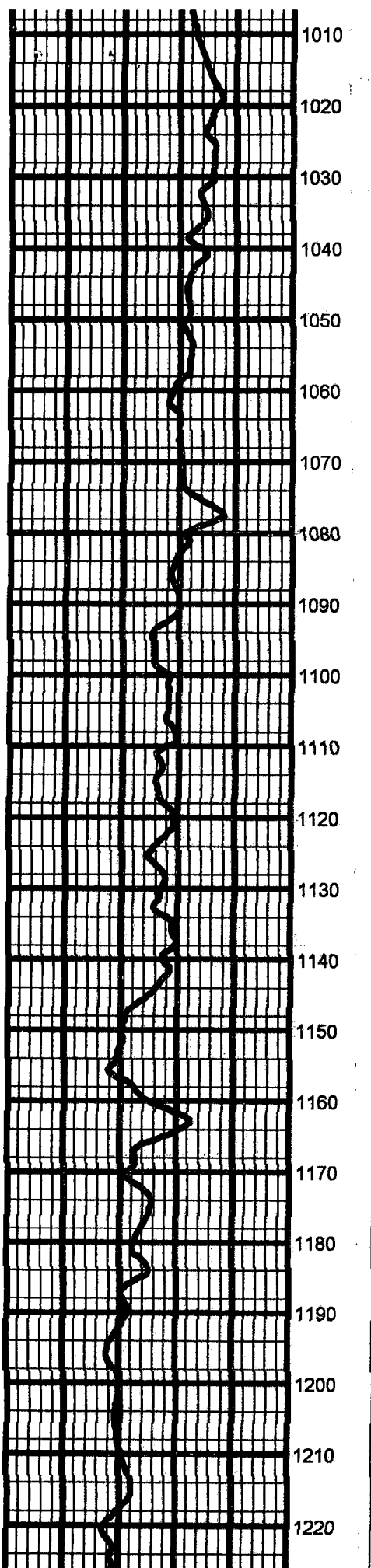
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 CONSERVATION DIVISION
 WICHITA, KS

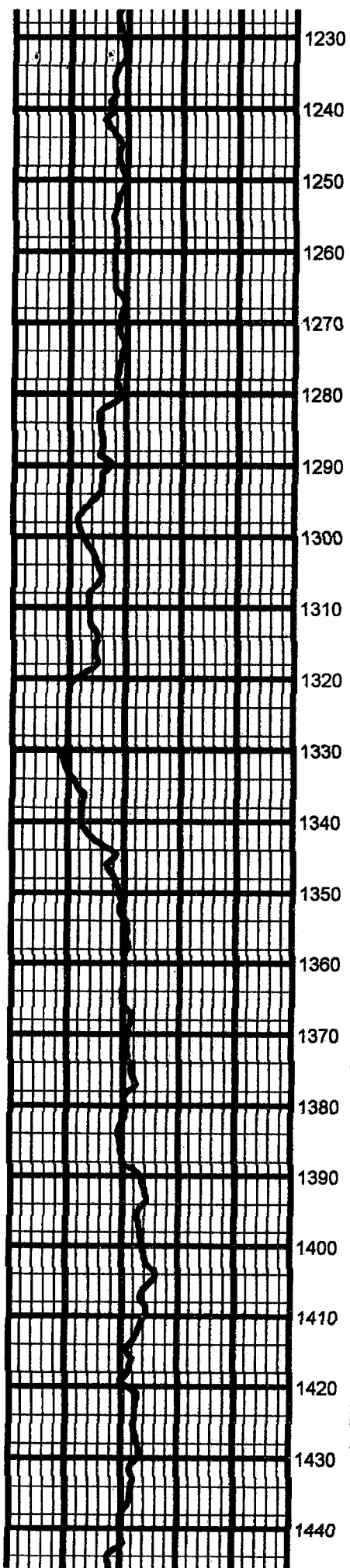
#34-14H

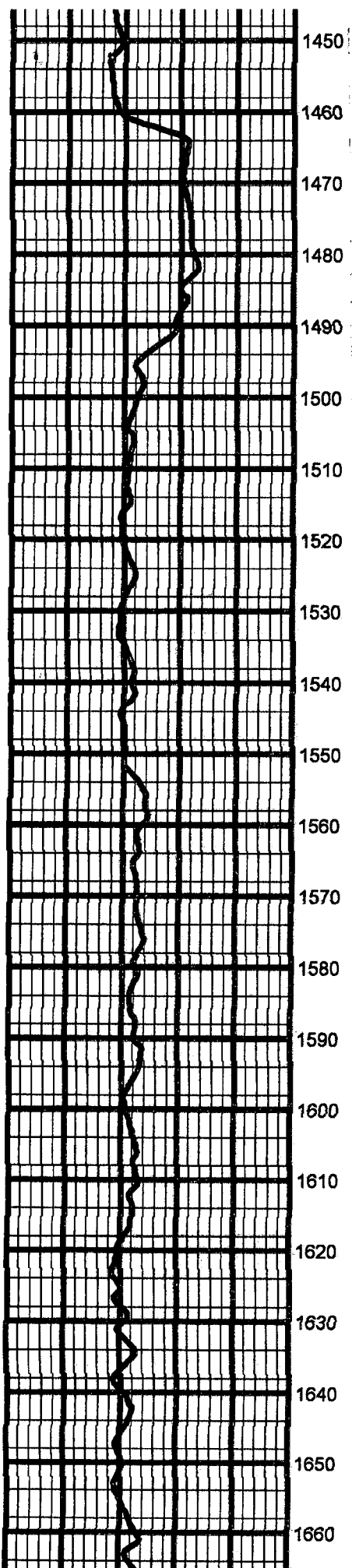


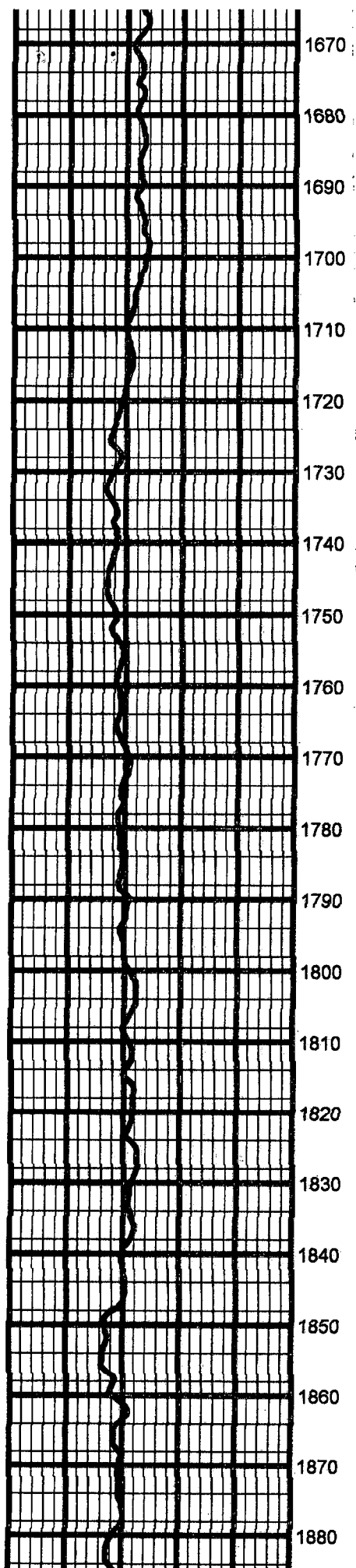


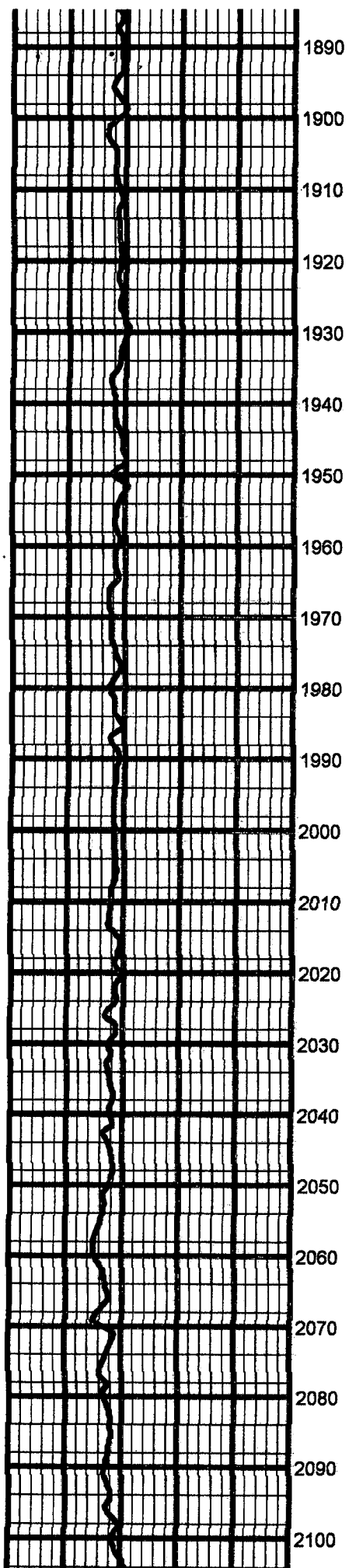


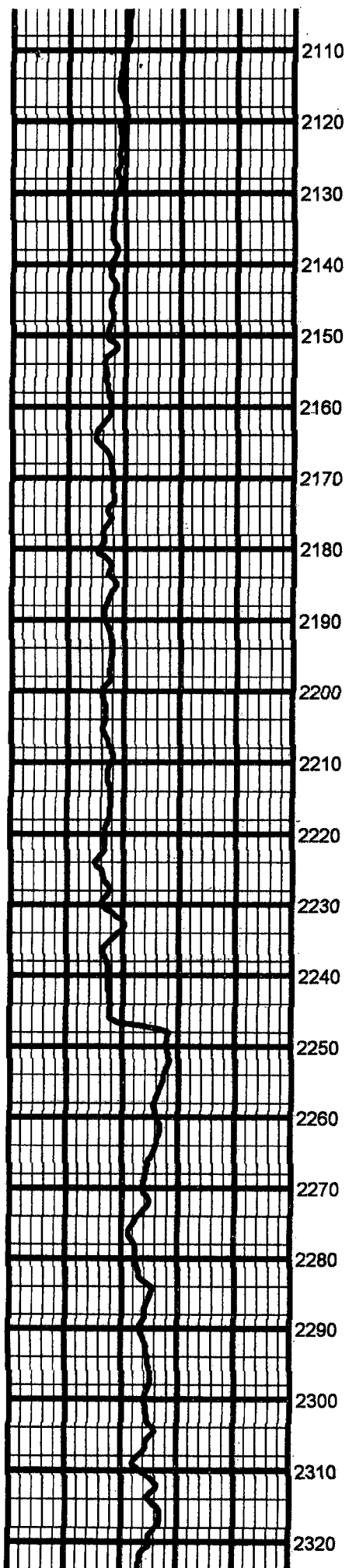


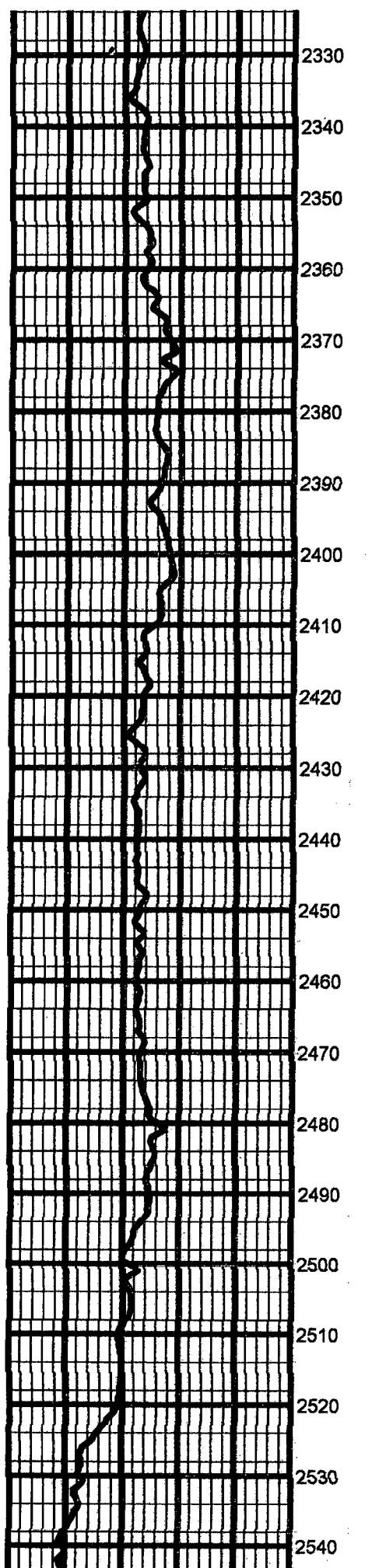


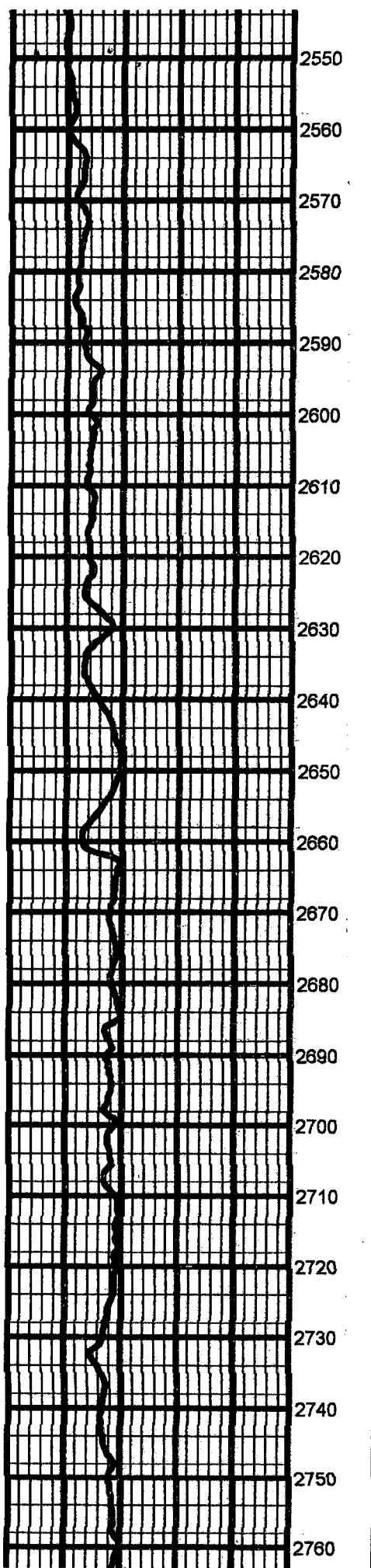


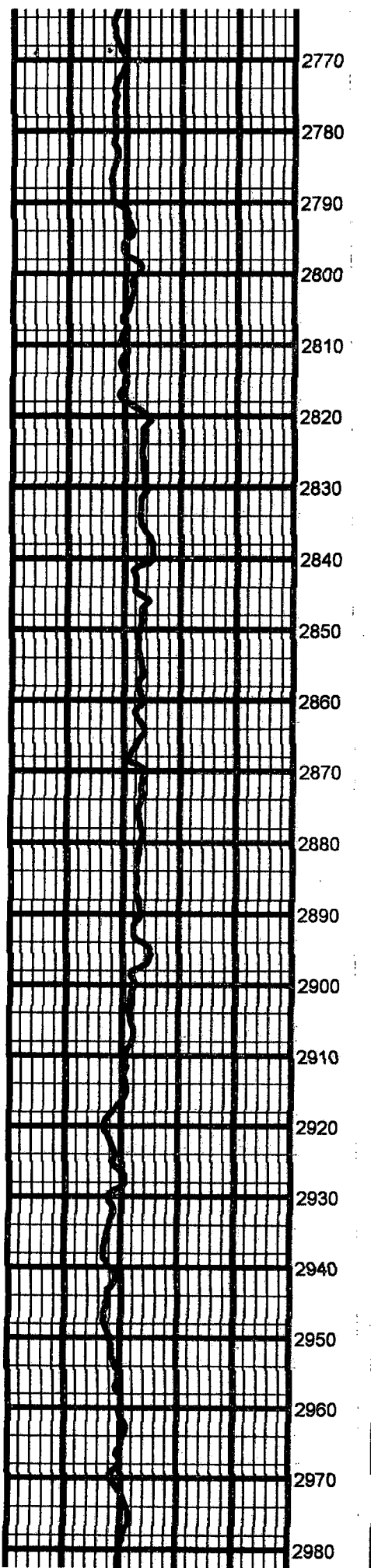


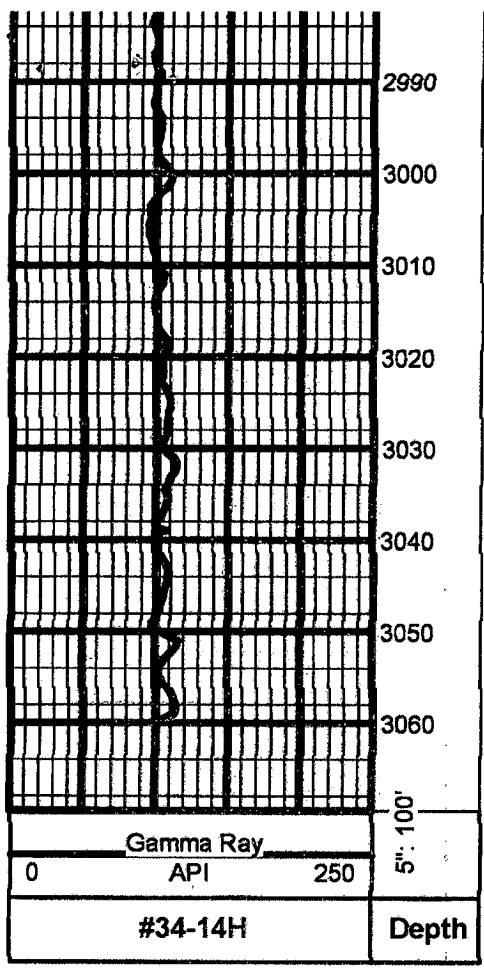












Gamma Ray

0 API 250

#34-14H

5:100

Depth

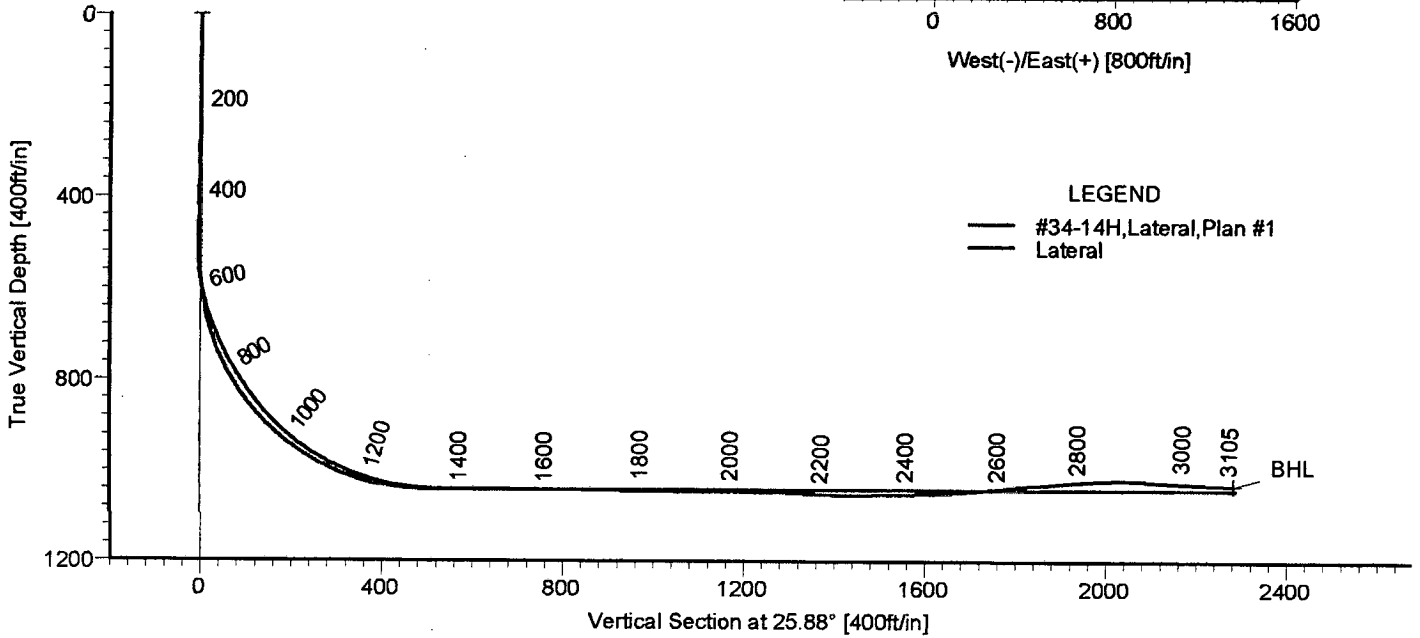
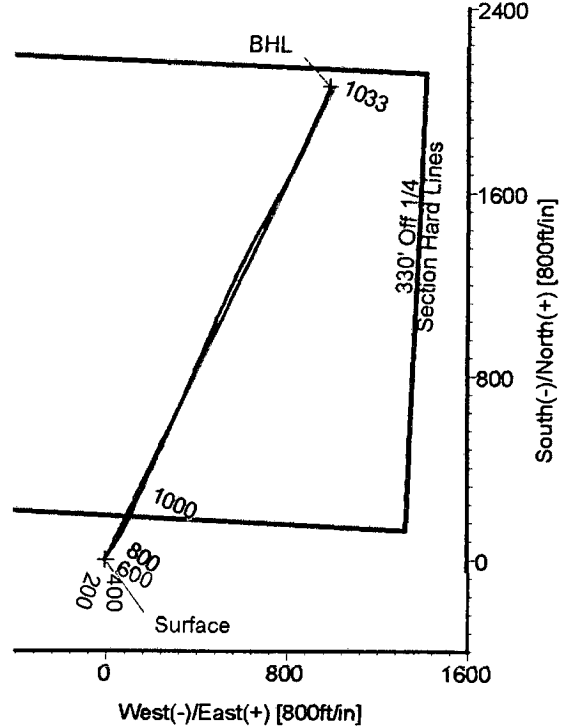
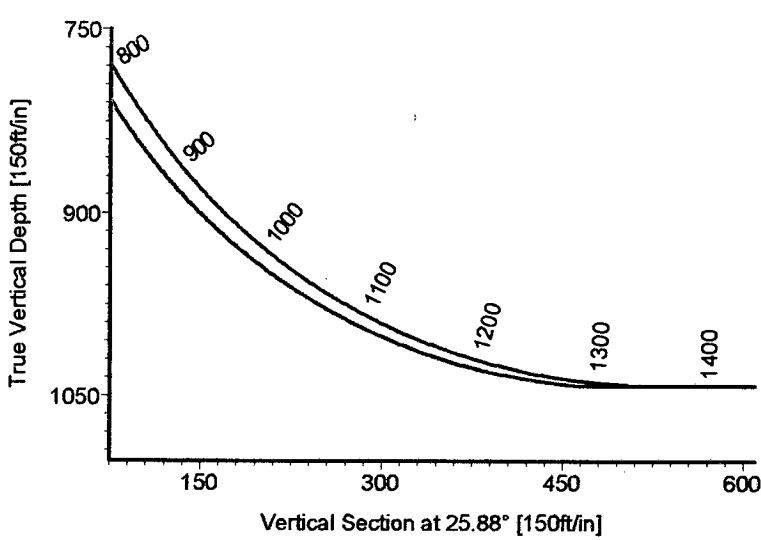
ROSEWOOD RESOURCES INC.

Field: Sherman County, KS
 Site: Carney 34-14H
 Well: #34-14H
 Wellpath: Lateral



Azimuths to Grid North
 True North: 2.30°
 Magnetic North: 9.91°

Magnetic Field
 Strength: 53477nT
 Dip Angle: 66.94°
 Date: 11/21/2006
 Model: igrf2005



LEGEND
 — #34-14H,Lateral,Plan #1
 — Lateral

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Surface	0.00	0.00	0.00	423209.32	972589.43	39°26'19.162N	101°38'18.960W	Point
BHL	1032.62	2061.60	986.94	425270.92	973576.37	39°26'39.914N	101°38'07.445W	Point



STRATA DIRECTIONAL TECHNOLOGY, INC.
 1034 Regional Park Drive Houston, Texas 77060
 Phone: 713-934-9600 Fax: 713-934-9067

Wellpath: (#34-14H/Lateral)
 Created By: David Vogler Date: 12/6/2006
 Checked: _____ Date: _____

Strata Directional Technology, Inc.

Survey Report

Company: ROSEWOOD RESOURCES INC.	Date: 12/6/2006	Time: 13:47:57	Page: 1
Field: Sherman County, KS	Co-ordinate(NE) Reference:	Well: #34-14H, Grid North	
Site: Carney 34-14H	Vertical (TVD) Reference:	3574.9'GL+13'KB 3587.9	
Well: #34-14H	Section (VS) Reference:	Well (0.00N,0.00E,25.88Az)	
Wellpath: Lateral	Survey Calculation Method:	Minimum Curvature	Db: Adapti

Field: Sherman County, KS		
Map System: US State Plane Coordinate System 1927	Map Zone:	Kansas, Northern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System:	Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model:	igrf2005

Site: Carney 34-14H		
Site Position:	Northing: 423209.32 ft	Latitude: 39 26 19.162 N
From: Map	Easting: 972589.43 ft	Longitude: 101 38 18.960 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 0.00 ft		Grid Convergence: -2.30 deg

Well: #34-14H			Slot Name:		
Well Position:	+N/-S 0.00 ft	Northing: 423209.32 ft	Latitude: 39 26 19.162 N		
	+E/-W 0.00 ft	Easting: 972589.43 ft	Longitude: 101 38 18.960 W		
Position Uncertainty:	0.00 ft				

Wellpath: Lateral			Drilled From: Surface		
Current Datum: 3574.9'GL+13'KB	Height 3587.90 ft		Tie-on Depth: 0.00 ft		
Magnetic Data: 11/21/2006			Above System Datum: Mean Sea Level		
Field Strength: 53477 nT			Declination: 7.60 deg		
Vertical Section: Depth From (TVD)	+N/-S		Mag Dip Angle: 66.94 deg		
ft	ft		ft	Direction	deg
0.00	0.00		0.00	25.88	

Survey Program for Definitive Wellpath					
Date: 11/27/2006	Validated: No	Version: 0			
Actual From	To	Survey	Toolcode	Tool Name	
ft	ft				
474.00	3054.00	Survey #1 (474.00-3054.00)	MWD	Std MWD	
3105.00	3105.00	Survey #2 (3105.00-3105.00)	Project	Projection	

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
474.00	1.10	218.10	473.97	-3.58	-2.81	-4.45	0.23	0.23	0.00	MWD
490.00	1.00	238.20	489.97	-3.77	-3.02	-4.71	2.37	-0.62	125.62	MWD
522.00	1.10	308.80	521.96	-3.73	-3.50	-4.88	3.80	0.31	220.62	MWD
554.00	4.70	14.20	553.92	-2.27	-3.42	-3.53	13.62	11.25	204.38	MWD
585.00	9.60	23.50	584.67	1.34	-2.07	0.30	16.19	15.81	30.00	MWD
617.00	13.40	28.50	616.03	7.05	0.76	6.67	12.27	11.87	15.62	MWD
649.00	17.50	32.70	646.86	14.36	5.13	15.16	13.27	12.81	13.12	MWD
681.00	21.10	32.90	677.06	23.25	10.86	25.66	11.25	11.25	0.62	MWD
713.00	23.60	33.60	706.65	33.42	17.54	37.72	7.86	7.81	2.19	MWD
745.00	26.50	35.10	735.64	44.60	25.19	51.12	9.28	9.06	4.69	MWD
775.00	30.20	36.00	762.04	56.18	33.48	65.16	12.42	12.33	3.00	MWD
808.00	32.50	35.30	790.22	70.13	43.48	82.08	7.06	6.97	-2.12	MWD
840.00	35.20	32.90	816.79	84.90	53.46	99.72	9.41	8.44	-7.50	MWD
872.00	36.60	30.40	842.72	100.87	63.30	118.38	6.33	4.37	-7.81	MWD
903.00	40.50	27.50	866.96	117.78	72.62	137.67	13.86	12.58	-9.35	MWD
935.00	44.30	26.00	890.58	137.05	82.33	159.24	12.29	11.87	-4.69	MWD
967.00	48.50	26.80	912.65	157.80	92.63	182.40	13.25	13.12	2.50	MWD
999.00	51.70	26.80	933.17	179.70	103.70	206.95	10.00	10.00	0.00	MWD
1031.00	54.90	24.60	952.29	202.82	114.81	232.60	11.42	10.00	-6.87	MWD
1062.00	59.30	23.40	969.13	226.60	125.39	258.60	14.56	14.19	-3.87	MWD
1094.00	62.80	23.40	984.62	252.29	136.51	286.57	10.94	10.94	0.00	MWD

Strata Directional Technology, Inc.

Survey Report

Company: ROSEWOOD RESOURCES INC.	Date: 12/6/2006	Time: 13:47:57	Page: 2
Field: Sherman County, KS	Co-ordinate(NE) Reference:	Well: #34-14H, Grid North	
Site: Carney 34-14H	Vertical (TVD) Reference:	3574.9'GL+13'KB 3587.9	
Well: #34-14H	Section (VS) Reference:	Well (0.00N,0.00E,25.88Azi)	
Wellpath: Lateral	Survey Calculation Method:	Minimum Curvature	Db: Adapti

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1125.00	66.30	23.70	997.94	277.95	147.69	314.54	11.32	11.29	0.97	MWD
1157.00	70.20	24.10	1009.79	305.11	159.73	344.24	12.24	12.19	1.25	MWD
1189.00	73.40	24.50	1019.78	332.82	172.24	374.62	10.07	10.00	1.25	MWD
1221.00	76.60	24.90	1028.07	360.89	185.16	405.52	10.07	10.00	1.25	MWD
1242.53	78.97	25.04	1032.62	379.96	194.04	426.55	11.02	11.00	0.67	BHL
1251.00	79.90	25.10	1034.17	387.51	197.57	434.88	11.02	11.00	0.66	MWD
1283.00	84.30	25.30	1038.57	416.18	211.06	466.57	13.76	13.75	0.62	MWD
1315.00	86.40	25.10	1041.17	445.04	224.64	498.46	6.58	6.56	-0.62	MWD
1346.00	89.00	24.60	1042.41	473.14	237.66	529.43	8.54	8.39	-1.61	MWD
1378.00	90.80	23.70	1042.46	502.34	250.75	561.41	6.29	5.62	-2.81	MWD
1410.00	90.50	23.80	1042.10	531.63	263.64	593.39	0.99	-0.94	0.31	MWD
1505.00	88.80	23.80	1042.68	618.55	301.97	688.32	1.79	-1.79	0.00	MWD
1601.00	90.20	23.80	1043.52	706.38	340.71	784.25	1.46	1.46	0.00	MWD
1697.00	88.70	22.40	1044.44	794.67	378.37	880.13	2.14	-1.56	-1.46	MWD
1792.00	89.60	23.60	1045.85	882.11	415.48	974.99	1.58	0.95	1.26	MWD
1887.00	89.00	22.90	1047.01	969.38	452.98	1069.89	0.97	-0.63	-0.74	MWD
1983.00	90.10	24.10	1047.77	1057.42	491.26	1165.80	1.70	1.15	1.25	MWD
2078.00	89.00	24.20	1048.51	1144.10	530.12	1260.75	1.16	-1.16	0.11	MWD
2175.00	87.10	25.10	1051.81	1232.20	570.55	1357.66	2.17	-1.96	0.93	MWD
2269.00	90.60	27.20	1053.70	1316.55	611.96	1451.63	4.34	3.72	2.23	MWD
2365.00	90.80	27.80	1052.53	1401.69	656.29	1547.58	0.66	0.21	0.62	MWD
2460.00	92.00	29.20	1050.20	1485.15	701.60	1642.45	1.94	1.26	1.47	MWD
2492.00	94.20	29.40	1048.47	1513.02	717.24	1674.34	6.90	6.87	0.62	MWD
2556.00	95.10	29.50	1043.29	1568.56	748.60	1738.01	1.41	1.41	0.16	MWD
2651.00	95.40	28.50	1034.59	1651.30	794.47	1832.47	1.09	0.32	-1.05	MWD
2746.00	94.10	26.70	1026.73	1735.20	838.32	1927.09	2.33	-1.37	-1.89	MWD
2842.00	90.90	24.20	1022.54	1821.78	879.53	2022.98	4.23	-3.33	-2.60	MWD
2906.00	86.70	23.80	1023.88	1880.22	905.55	2086.91	6.59	-6.56	-0.62	MWD
2938.00	86.80	24.20	1025.69	1909.41	918.54	2118.85	1.29	0.31	1.25	MWD
3033.00	88.00	24.20	1030.00	1995.97	957.44	2213.71	1.26	1.26	0.00	MWD
3054.00	87.90	24.20	1030.75	2015.11	966.05	2234.68	0.48	-0.48	0.00	MWD
3105.00	87.90	24.20	1032.62	2061.60	986.94	2285.63	0.00	0.00	0.00	Project

Targets

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map	Map	← Latitude →			← Longitude →				
	Dip.	Dir.				Northing ft	Easting ft	Deg	Min	Sec	Deg	Min	Sec		
Surface			0.00	0.00	0.00	423209.32	972589.43	39	26	19.162	N	101	38	18.960	W
BHL			1032.62	2061.60	986.94	425270.92	973576.37	39	26	39.914	N	101	38	7.445	W

15-181-20486-01-00

ROSEWOOD RESOURCES INC.

Field: Sherman County, KS
 Site: Carney 34-14H
 Well: #34-14H
 Wellpath: Lateral



Azimuths to Grid North
 True North: 2.30°
 Magnetic North: 9.91°

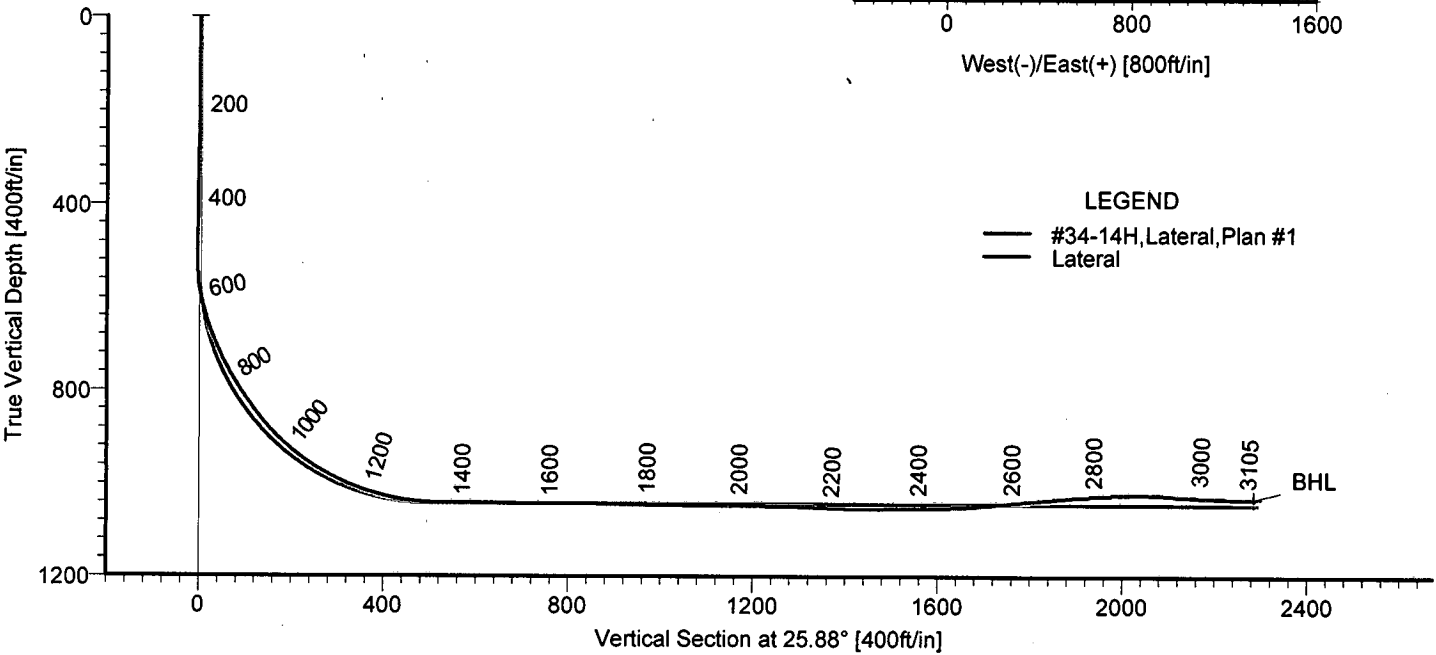
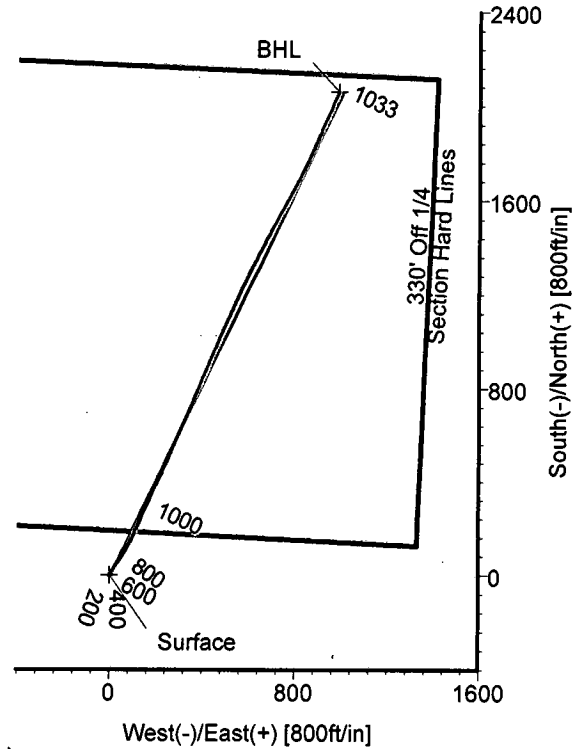
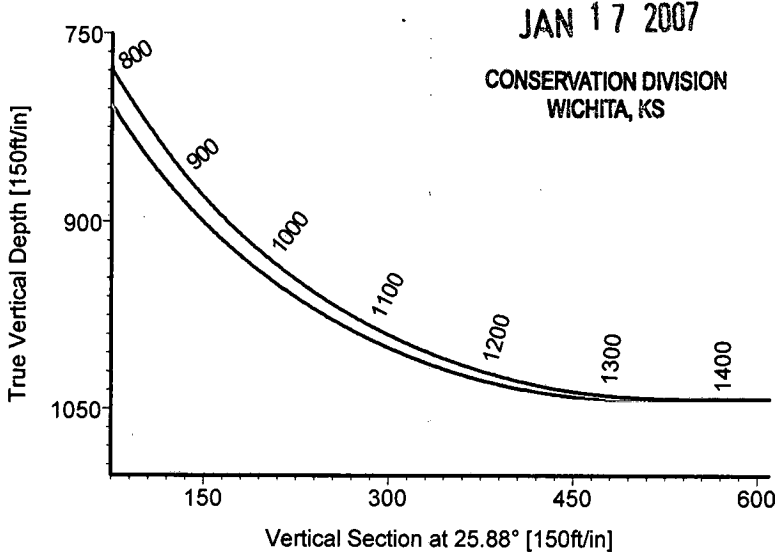
Magnetic Field
 Strength: 53477nT
 Dip Angle: 66.94°
 Date: 11/21/2006
 Model: igrf2005



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 KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION
 WICHITA, KS



LEGEND
 — #34-14H, Lateral, Plan #1
 — Lateral

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Surface	0.00	0.00	0.00	423209.32	972589.43	39°26'19.162N	101°38'18.960W	Point
BHL	1032.62	2061.60	986.94	425270.92	973576.37	39°26'39.914N	101°38'07.445W	Point



STRATA DIRECTIONAL TECHNOLOGY, INC.
 1034 Regional Park Drive Houston, Texas 77060
 Phone: 713-934-9600 Fax: 713-934-9067

Wellpath: (#34-14H/Lateral)
 Created By: David Vogler Date: 12/6/2006
 Checked: _____ Date: _____

Strata Directional Technology, Inc.

Survey Report

Company: ROSEWOOD RESOURCES INC.	Date: 12/6/2006	Time: 13:47:57	Page: 1
Field: Sherman County, KS	Co-ordinate(NE) Reference: Well: #34-14H, Grid North		
Site: Carney 34-14H	Vertical (TVD) Reference: 3574.9'GL+13'KB 3587.9		
Well: #34-14H	Section (VS) Reference: Well (0.00N,0.00E,25.88Azi)		
Wellpath: Lateral	Survey Calculation Method: Minimum Curvature	Db: Adapti	

Field: Sherman County, KS

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: Kansas, Northern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: Carney 34-14H

Site Position:	Northing: 423209.32 ft	Latitude: 39 26 19.162 N	
From: Map	Easting: 972589.43 ft	Longitude: 101 38 18.960 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 0.00 ft		Grid Convergence: -2.30 deg	

Well: #34-14H

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 423209.32 ft	Latitude: 39 26 19.162 N	
+E/-W 0.00 ft	Easting: 972589.43 ft	Longitude: 101 38 18.960 W	
Position Uncertainty: 0.00 ft			

Wellpath: Lateral

Drilled From: Surface

Current Datum: 3574.9'GL+13'KB	Height 3587.90 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 11/21/2006		Above System Datum: Mean Sea Level	
Field Strength: 53477 nT		Declination: 7.60 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 66.94 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	25.88

Survey Program for Definitive Wellpath

Date: 11/27/2006	Validated: No	Version: 0	
Actual From	To	Survey	Toolcode Tool Name
ft	ft		
474.00	3054.00	Survey #1 (474.00-3054.00)	MWD Std MWD
3105.00	3105.00	Survey #2 (3105.00-3105.00)	Project Projection

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
474.00	1.10	218.10	473.97	-3.58	-2.81	-4.45	0.23	0.23	0.00	MWD
490.00	1.00	238.20	489.97	-3.77	-3.02	-4.71	2.37	-0.62	125.62	MWD
522.00	1.10	308.80	521.96	-3.73	-3.50	-4.88	3.80	0.31	220.62	MWD
554.00	4.70	14.20	553.92	-2.27	-3.42	-3.53	13.62	11.25	204.38	MWD
585.00	9.60	23.50	584.67	1.34	-2.07	0.30	16.19	15.81	30.00	MWD
617.00	13.40	28.50	616.03	7.05	0.76	6.67	12.27	11.87	15.62	MWD
649.00	17.50	32.70	646.86	14.36	5.13	15.16	13.27	12.81	13.12	MWD
681.00	21.10	32.90	677.06	23.25	10.86	25.66	11.25	11.25	0.62	MWD
713.00	23.60	33.60	706.65	33.42	17.54	37.72	7.86	7.81	2.19	MWD
745.00	26.50	35.10	735.64	44.60	25.19	51.12	9.28	9.06	4.69	MWD
775.00	30.20	36.00	762.04	56.18	33.48	65.16	12.42	12.33	3.00	MWD
808.00	32.50	35.30	790.22	70.13	43.48	82.08	7.06	6.97	-2.12	MWD
840.00	35.20	32.90	816.79	84.90	53.46	99.72	9.41	8.44	-7.50	MWD
872.00	36.60	30.40	842.72	100.87	63.30	118.38	6.33	4.37	-7.81	MWD
903.00	40.50	27.50	866.96	117.78	72.62	137.67	13.86	12.58	-9.35	MWD
935.00	44.30	26.00	890.58	137.05	82.33	159.24	12.29	11.87	-4.69	MWD
967.00	48.50	26.80	912.65	157.80	92.63	182.40	13.25	13.12	2.50	MWD
999.00	51.70	26.80	933.17	179.70	103.70	206.95	10.00	10.00	0.00	MWD
1031.00	54.90	24.60	952.29	202.82	114.81	232.60	11.42	10.00	-6.87	MWD
1062.00	59.30	23.40	969.13	226.60	125.39	258.60	14.56	14.19	-3.87	MWD
1094.00	62.80	23.40	984.62	252.29	136.51	286.57	10.94	10.94	0.00	MWD

Strata Directional Technology, Inc.

Survey Report

Company: ROSEWOOD RESOURCES INC.	Date: 12/6/2006	Time: 13:47:57	Page: 2
Field: Sherman County, KS	Co-ordinate(NE) Reference:	Well: #34-14H, Grid North	
Site: Carney 34-14H	Vertical (TVD) Reference:	3574.9'GL+13'KB 3587.9	
Well: #34-14H	Section (VS) Reference:	Well (0.00N,0.00E,25.88Azi)	
Wellpath: Lateral	Survey Calculation Method:	Minimum Curvature	
		Db: Adapti	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1125.00	66.30	23.70	997.94	277.95	147.69	314.54	11.32	11.29	0.97	MWD
1157.00	70.20	24.10	1009.79	305.11	159.73	344.24	12.24	12.19	1.25	MWD
1189.00	73.40	24.50	1019.78	332.82	172.24	374.62	10.07	10.00	1.25	MWD
1221.00	76.60	24.90	1028.07	360.89	185.16	405.52	10.07	10.00	1.25	MWD
1242.53	78.97	25.04	1032.62	379.96	194.04	426.55	11.02	11.00	0.67	BHL
1251.00	79.90	25.10	1034.17	387.51	197.57	434.88	11.02	11.00	0.66	MWD
1283.00	84.30	25.30	1038.57	416.18	211.06	466.57	13.76	13.75	0.62	MWD
1315.00	86.40	25.10	1041.17	445.04	224.64	498.46	6.59	6.56	-0.62	MWD
1346.00	89.00	24.60	1042.41	473.14	237.66	529.43	8.54	8.39	-1.61	MWD
1378.00	90.80	23.70	1042.46	502.34	250.75	561.41	6.29	5.62	-2.81	MWD
1410.00	90.50	23.80	1042.10	531.63	263.64	593.39	0.99	-0.94	0.31	MWD
1505.00	88.80	23.80	1042.68	618.55	301.97	688.32	1.79	-1.79	0.00	MWD
1601.00	90.20	23.80	1043.52	706.38	340.71	784.25	1.46	1.46	0.00	MWD
1697.00	88.70	22.40	1044.44	794.67	378.37	880.13	2.14	-1.56	-1.46	MWD
1792.00	89.60	23.60	1045.85	882.11	415.48	974.99	1.58	0.95	1.26	MWD
1887.00	89.00	22.90	1047.01	969.38	452.98	1069.89	0.97	-0.63	-0.74	MWD
1983.00	90.10	24.10	1047.77	1057.42	491.26	1165.80	1.70	1.15	1.25	MWD
2078.00	89.00	24.20	1048.51	1144.10	530.12	1260.75	1.16	-1.16	0.11	MWD
2175.00	87.10	25.10	1051.81	1232.20	570.55	1357.66	2.17	-1.96	0.93	MWD
2269.00	90.60	27.20	1053.70	1316.55	611.96	1451.63	4.34	3.72	2.23	MWD
2365.00	90.80	27.80	1052.53	1401.69	656.29	1547.58	0.66	0.21	0.62	MWD
2460.00	92.00	29.20	1050.20	1485.15	701.60	1642.45	1.94	1.26	1.47	MWD
2492.00	94.20	29.40	1048.47	1513.02	717.24	1674.34	6.90	6.87	0.62	MWD
2556.00	95.10	29.50	1043.29	1568.56	748.60	1738.01	1.41	1.41	0.16	MWD
2651.00	95.40	28.50	1034.59	1651.30	794.47	1832.47	1.09	0.32	-1.05	MWD
2746.00	94.10	26.70	1026.73	1735.20	838.32	1927.09	2.33	-1.37	-1.89	MWD
2842.00	90.90	24.20	1022.54	1821.78	879.53	2022.98	4.23	-3.33	-2.60	MWD
2906.00	86.70	23.80	1023.88	1880.22	905.55	2086.91	6.59	-6.56	-0.62	MWD
2938.00	86.80	24.20	1025.69	1909.41	918.54	2118.85	1.29	0.31	1.25	MWD
3033.00	88.00	24.20	1030.00	1995.97	957.44	2213.71	1.26	1.26	0.00	MWD
3054.00	87.90	24.20	1030.75	2015.11	966.05	2234.68	0.48	-0.48	0.00	MWD
3105.00	87.90	24.20	1032.62	2061.60	986.94	2285.63	0.00	0.00	0.00	Project

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map	Map	←←← Latitude →→→			←←← Longitude →→→				
						Northing ft	Easting ft	Deg	Min	Sec	Deg	Min	Sec		
Surface			0.00	0.00	0.00	423209.32	972589.43	39	26	19.162	N	101	38	18.960	W
BHL			1032.62	2061.60	986.94	425270.92	973576.37	39	26	39.914	N	101	38	7.445	W