8- 75-39W

ROSEWOOD RESOURCES INC.

Field: Sherman County, KS
Site: Bowman 14-08H
Well: #14-08H
Wellpath: Lateral

ROSEWOOD RESOURCES

G T M

Azimuths to Grid North
True North: 2.35°
Magnetic North: 9.96°

Magnetic Field
Strength: 53456nT
Dip Angle: 66.93°
Date: 2/6/2007
Model: igrf2005

LEGEND
#14-08H,Lateral,Plan #1
Lateral

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JUN 06 2007
CONSERVATION DIVISION
WICHITA, KS

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Surface	0.00	0.00	0.00	429232.12	953599.33	39°27'11.032N	101°42'23.948W	Point
BHL	995.45	2053.34	1697.87	431285.46	955297.20	39°27'31.996N	101°42'03.390W	Point

STRATA DIRECTIONAL TECHNOLOGY, INC.

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

Wellpath: (#14-08H/Lateral)
Created By: David Vogler Date: 2/21/2007
Checked: _____ Date: _____

Strata Directional Technology, Inc.
Survey Report

Company: ROSEWOOD RESOURCES INC.		**Date:** 2/21/2007 **Time:** 15:38:22	**Page:** 1
Field: Sherman County, KS		**Co-ordinate(NE) Reference:** Well: #14-08H, Grid North	
Site: Bowman 14-08H		**Vertical (TVD) Reference:** 3537'GL+13'KB 3550.0	
Well: #14-08H		**Section (VS) Reference:** Well (0.00N,0.00E,39.59Azi)	
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: Bowman 14-08H

Site Position:		**Northing:**	429232.12 ft	**Latitude:**	39 27 11.032 N
From:	Map	**Easting:**	953599.33 ft	**Longitude:**	101 42 23.948 W
Position Uncertainty:	0.00 ft			**North Reference:**	Grid
Ground Level:	0.00 ft			**Grid Convergence:**	-2.35 deg

Well: #14-08H — **Slot Name:**

Well Position:	+N/-S 0.00 ft	**Northing:**	429232.12 ft	**Latitude:**	39 27 11.032 N
	+E/-W 0.00 ft	**Easting :**	953599.33 ft	**Longitude:**	101 42 23.948 W
Position Uncertainty:	0.00 ft				

Wellpath: Lateral — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: 3537'GL+13'KB — **Height** 3550.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 2/6/2007 — **Declination:** 7.62 deg
Field Strength: 53456 nT — **Mag Dip Angle:** 66.93 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	39.59

Survey Program for Definitive Wellpath
Date: 2/21/2007 **Validated:** No **Version:** 0

Actual From ft	To ft	Survey	Toolcode	Tool Name
340.00	3400.00	Survey #1 (340.00-3400.00)	MWD	Std MWD
3472.00	3472.00	Survey #2 (3472.00-3472.00)	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
340.00	1.60	283.20	339.96	1.08	-4.62	-2.11	0.47	0.47	0.00	MWD
434.00	2.30	281.00	433.90	1.74	-7.75	-3.60	0.75	0.74	-2.34	MWD
465.00	2.80	2.73	464.88	2.62	-8.33	-3.29	10.83	1.61	263.65	MWD
497.00	2.40	276.80	496.86	3.48	-8.95	-3.03	11.11	-1.25	-268.53	MWD
529.00	1.50	12.90	528.84	3.97	-9.53	-3.01	9.26	-2.81	300.31	MWD
561.00	5.20	37.30	560.78	5.53	-8.55	-1.19	12.14	11.56	76.25	MWD
593.00	9.20	39.10	592.53	8.67	-6.06	2.82	12.52	12.50	5.62	MWD
625.00	13.00	37.50	623.92	13.51	-2.25	8.98	11.91	11.87	-5.00	MWD
656.00	16.20	35.80	653.92	19.79	2.40	16.78	10.41	10.32	-5.48	MWD
688.00	19.90	35.40	684.34	27.85	8.17	26.67	11.57	11.56	-1.25	MWD
720.00	23.30	36.30	714.08	37.39	15.07	38.42	10.68	10.62	2.81	MWD
752.00	26.70	37.80	743.08	48.18	23.23	51.93	10.81	10.62	4.69	MWD
784.00	30.30	38.90	771.20	60.14	32.70	67.19	11.37	11.25	3.44	MWD
815.00	33.60	38.00	797.50	72.99	42.90	83.59	10.76	10.65	-2.90	MWD
847.00	37.00	36.40	823.61	87.72	54.07	102.06	11.01	10.62	-5.00	MWD
878.00	40.30	36.00	847.82	103.35	65.50	121.38	10.68	10.65	-1.29	MWD
910.00	43.80	36.90	871.58	120.58	78.24	142.78	11.10	10.94	2.81	MWD
942.00	47.00	38.00	894.05	138.66	92.09	165.55	10.29	10.00	3.44	MWD
974.00	51.20	38.10	914.99	157.71	107.00	189.72	13.13	13.12	0.31	MWD
1006.00	55.50	38.20	934.09	177.89	122.85	215.38	13.44	13.44	0.31	MWD
1037.00	59.60	38.50	950.72	198.40	139.08	241.53	13.25	13.23	0.97	MWD

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JUN 0 6 2007
CONSERVATION DIVISION

Strata Directional Technology, Inc.
Survey Report

Company: ROSEWOOD RESOURCES INC.		**Date:** 2/21/2007 **Time:** 15:38:22	**Page:** 2
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Site: Bowman 14-08H		**Vertical (TVD) Reference:** 3537'GL+13'KB 3550.0	
Well: #14-08H		**Section (VS) Reference:** Well (0.00N,0.00E,39.59Azi)	
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
1069.00	64.00	38.30	965.84	220.50	156.59	269.72	13.76	13.75	-0.62	MWD
1101.00	67.70	38.70	978.93	243.34	174.77	298.90	11.62	11.56	1.25	MWD
1133.00	72.10	39.20	989.92	266.71	193.66	328.95	13.83	13.75	1.56	MWD
1152.28	74.57	39.20	995.45	281.02	205.33	347.41	12.81	12.81	0.00	BHL
1165.00	76.20	39.20	998.66	290.56	213.11	359.72	12.81	12.81	0.00	MWD
1229.00	83.50	40.40	1009.93	338.92	253.41	422.68	11.55	11.41	1.87	MWD
1261.00	86.60	40.40	1012.69	363.19	274.07	454.55	9.69	9.69	0.00	MWD
1292.00	88.20	40.30	1014.10	386.79	294.12	485.51	5.17	5.16	-0.32	MWD
1324.00	88.30	39.60	1015.08	411.31	314.66	517.50	2.21	0.31	-2.19	MWD
1356.00	90.10	39.10	1015.52	436.06	334.95	549.49	5.84	5.62	-1.56	MWD
1452.00	90.10	40.20	1015.35	509.97	396.20	645.49	1.15	0.00	1.15	MWD
1547.00	90.40	39.50	1014.94	582.90	457.08	740.49	0.80	0.32	-0.74	MWD
1643.00	90.40	39.80	1014.27	656.82	518.33	836.49	0.31	0.00	0.31	MWD
1739.00	90.10	42.90	1013.85	728.87	581.75	932.43	3.24	-0.31	3.23	MWD
1835.00	92.30	40.60	1011.84	800.47	645.65	1028.33	3.31	2.29	-2.40	MWD
1931.00	90.30	39.50	1009.66	873.93	707.40	1124.29	2.38	-2.08	-1.15	MWD
2026.00	91.50	38.90	1008.17	947.54	767.44	1219.28	1.41	1.26	-0.63	MWD
2122.00	90.30	38.20	1006.66	1022.61	827.25	1315.25	1.45	-1.25	-0.73	MWD
2218.00	91.80	38.10	1004.90	1098.09	886.54	1411.20	1.57	1.56	-0.10	MWD
2313.00	91.30	37.50	1002.33	1173.12	944.75	1506.12	0.82	-0.53	-0.63	MWD
2409.00	90.00	37.90	1001.24	1249.08	1003.45	1602.06	1.42	-1.35	0.42	MWD
2504.00	90.20	38.00	1001.08	1323.99	1061.87	1697.02	0.24	0.21	0.11	MWD
2600.00	91.20	39.90	999.91	1398.64	1122.21	1793.00	2.24	1.04	1.98	MWD
2696.00	90.40	40.30	998.57	1472.06	1184.04	1888.98	0.93	-0.83	0.42	MWD
2791.00	90.70	41.30	997.65	1543.97	1246.11	1983.96	1.10	0.32	1.05	MWD
2887.00	90.80	41.60	996.40	1615.92	1309.66	2079.90	0.33	0.10	0.31	MWD
2983.00	89.40	42.50	996.23	1687.20	1373.95	2175.81	1.73	-1.46	0.94	MWD
3078.00	88.90	42.10	997.64	1757.46	1437.88	2270.69	0.67	-0.53	-0.42	MWD
3175.00	88.90	41.60	999.50	1829.70	1502.59	2367.60	0.52	0.00	-0.52	MWD
3272.00	89.80	41.00	1000.60	1902.57	1566.60	2464.54	1.12	0.93	-0.62	MWD
3368.00	91.60	41.00	999.43	1975.01	1629.58	2560.50	1.87	1.87	0.00	MWD
3400.00	92.30	41.10	998.34	1999.13	1650.58	2592.48	2.21	2.19	0.31	MWD
3472.00	92.30	41.10	995.45	2053.34	1697.87	2664.39	0.00	0.00	0.00	PROJECTED to TD

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<--- Longitude ---> Deg Min Sec
Surface			0.00	0.00	0.00	429232.12	953599.33	39 27 11.032 N	101 42 23.948 W
BHL			995.45	2053.34	1697.87	431285.46	955297.20	39 27 31.996 N	101 42 3.390 W

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JUN 0 6 2007

CONSERVATION DIVISION
WICHITA, KS

Scientific Drilling

BOWMAN 14-08H GAMMA RAY

5" = 100'

FEET MD

COMPANY : STRATA
WELL : BOWMAN 14-08H
FIELD : GOODLAND
COUNTY : SHERMAN
STATE : KANSAS
COUNTRY : USA
API NO. : 15-181-20489-0101

COMPANY : STRATA
WELL : BOWMAN 14-08H
FIELD : GOODLAND
COUNTY : SHERMAN
STATE : KANSAS
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JUN 0 6 2007
CONSERVATION DIVISION
WICHITA, KS

WELL LOCATION
NINE MILES NORTH OF TOWN

SEC:08 TWP:7S RANGE:39W

OTHER SERVICES

DEPTH REF. :
ELEVATION : 3537 ft
ALTITUDE : 3550 ft

BOREHOLE RECORD

HOLE SIZE in	FROM ft	TO ft
6.750	514	3472

DEVIATION RECORD

INCLINATION deg	FROM ft	TO ft

CASING RECORD

CASING SIZE in	FROM ft	TO ft
7	0	284

DRILLING CO. : ADT
RIG : #35
LWD UNIT NO. : EM4-90 DISTRICT : OKLAHOMA CITY
SPUD DATE : 2/14/2007
LWD START DATE : 2/14/2007 DEPTH : 470 ft
LWD END DATE : 2/17/07 DEPTH : 3423 ft
TOTAL DEPTH : 3472 ft

Run Data

RUN NUMBER	1
START DATE	2/12/2007
START TIME	18:30
END DATE	2/17/07
END TIME	5:00 AM
DEPTH IN (ft)	514
DEPTH OUT (ft)	3472
LOG TOP (ft)	470
LOG BOTTOM (ft)	3423
HOLE SIZE (in)	6.750
MUD DATA @ (ft)	
MUD TYPE	AIR/MIST
DENSITY (lb / gal)	
VISCOSITY (s / qt)	
pH	
FLUID LOSS (cm3 / 30)	
SALINITY (ppm)	
Rm (ohmm @ deg F)	
Rmf (ohmm @ deg F)	
MAX TEMP (deg F)	
Rm @ MAX TEMP (ohmm)	
LWD ENGINEER #1	PAUL SIMS
LWD ENGINEER #2	JASON MCCUDDY
LWD ENGINEER #3	BRANDON NORMAN

Remarks

Company PRODUCTION AFE#

SCIENTIFIC DRILLING INTERNATIONAL JOB# 34EF0107063

SCIENTIFIC DRILLING INTERNATIONAL WO# 105875

ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.

ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.

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 interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions as set out in our current price schedule.

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3100
3150
3200

3250
3300
3350
3400
3450

Gamma Counts (MWD) (api)
[0.00] [200.00]

MD
1:240 (ft)

WITS 0113 - Rate of Penetration (avg) (MWD) (ft/hr)
[300.00] [0.00]

Scientific Drilling

GAMMA RAY

5" = 100'

FEET MD