

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED

Form ACO-1
September 1999
Form Must Be Typed

APR 28 2006

KCC WICHITA

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: Excell Drilling Company
License: 8273
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>1/20/2006</u>	<u>1/27/2006</u>	<u>1/28/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 181-20383-01 - 00
County: Sherman

SE SE SW SW Sec. 36 Twp. 8 S. R. 40 East West
200' feet from (S) N (circle one) Line of Section
850 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Isabel Well #: 1-36H

Field Name: Goodland
Producing Formation: Niobrara

Elevation: Ground: 3721' Kelly Bushing: _____
Total Depth: 3285' Plug Back Total Depth: N/A

Amount of Surface Pipe Set and Cemented at 359.05' csg @ 372" Feet
Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH I MR
(Data must be collected from the Reserve Pit) 10-31-08
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: Kathy Baerle
Title: Production Test. Date: 4-27-06
Subscribed and sworn to before me this 27th day of April
20 06.
Notary Public: Janet S. Jensen
Date Commission Expires: August 24 2008

JANET S. JENSEN
NOTARY PUBLIC
STATE OF KANSAS
My App. Exp. 8/24/2008

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

✓

Operator Name: Rosewood Resources, Inc. Lease Name: Isabel Well #: 1-36H
 Sec. 36 Twp. 8 S. R. 40 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Gamma

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Niobrara 3285' KB

**RECEIVED
 APR 28 2006
 KCC WICHITA**

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	12 1/4"	9 5/8"	32.3#	375'	H	165	2% Gel, 3% cal
Intermediate	8 3/4"	7"	17#	1161'	H	215	2% cal.
Production	6 1/8"	Open Hole	N/A	N/A	N/A	N/A	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
N/A	N/A	N/A	N/A

TUBING RECORD Size Set At Packer At Liner Run Yes No
none

Date of First, Resumerd Production, SWD or Enhr. 2/22/2006 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf 50 Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify)

ALLIED CEMENTING CO., INC. 19914

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

OAKLEY

DATE <u>1-29-06</u>	SEC <u>36</u>	TWP <u>85</u>	RANGE <u>40W</u>	CALLED OUT	ON LOCATION <u>9:00 AM</u>	JOB START <u>4:00 PM</u>	JOB FINISH <u>4:30 PM</u>
LEASE <u>Tenbel</u>	WELL# <u>1-36H</u>	LOCATION <u>Goodland 2 1/2 S-1W-</u>			COUNTY <u>SHERMAN</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

RECEIVED

APR 28 2006

CONTRACTOR EXCELL DRILLING #623

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 375'

CASING SIZE 9 5/8" DEPTH 368'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 25'

PERFS. _____

DISPLACEMENT 27 BBL.

OWNER SAME

CEMENT KCC WICHITA

AMOUNT ORDERED 165 SKS COM 38CC 286EL

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

191 HELPER WAYNE

BULK TRUCK

377 DRIVER MIKE

BULK TRUCK

_____ DRIVER _____

COMMON	<u>165 SKS</u>	@	<u>10⁰⁰</u>	<u>1650⁰⁰</u>
POZMIX		@		
GEL	<u>3 SKS</u>	@	<u>14⁰⁰</u>	<u>42⁰⁰</u>
CHLORIDE	<u>6 SKS</u>	@	<u>38⁰⁰</u>	<u>228⁰⁰</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>174 SKS</u>	@	<u>1⁶⁰</u>	<u>278⁴⁰</u>
MILEAGE	<u>64 PER SK</u>			<u>678⁴⁰</u>
TOTAL				<u>2877⁸⁰</u>

REMARKS:

CEMENT dtd CIRC.

THANK YOU

CHARGE TO: ROSEWOOD

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>368'</u>		
PUMP TRUCK CHARGE			<u>670⁰⁰</u>
EXTRA FOOTAGE	<u>68'</u>	@	<u>.55</u>
MILEAGE	<u>65 MI</u>	@	<u>5⁰⁰</u>
MANIFOLD		@	
		@	
		@	
TOTAL			<u>1032⁰⁰</u>

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

[Signature]
PRINTED NAME

ALLIED CEMENTING CO., INC. 19871

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley

DATE <u>1-20-06</u>	SEC. <u>36</u>	TWP. <u>8S</u>	RANGE <u>40W</u>	CALLED OUT	ON LOCATION <u>4:45 AM</u>	JOB START <u>10:30 AM</u>	JOB FINISH <u>10:45 AM</u>
LEASE <u>Tsabel</u>		WELL# <u>1-36H</u>	LOCATION <u>Ground level 25-1/2 W-115</u>		COUNTY <u>Sherman</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)				RECEIVED			

CONTRACTOR Excell Dig #3

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 392'

CASING SIZE 8 5/8" DEPTH 391'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 29 BBL

OWNER Same APR 28 2006

CEMENT KCC WICHITA

AMOUNT ORDERED 165 SKS COM

3% CC - 2% Gel

COMMON	<u>165 SKS</u>	@	<u>10.00</u>	<u>1,650.00</u>
POZMIX		@		
GEL	<u>3 SKS</u>	@	<u>14.00</u>	<u>42.00</u>
CHLORIDE	<u>6 SKS</u>	@	<u>38.00</u>	<u>228.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>174 SKS</u>	@	<u>1.60</u>	<u>278.40</u>
MILEAGE	<u>64 per sk/mile</u>			<u>678.00</u>
TOTAL				<u>2,977.40</u>

EQUIPMENT

PUMP TRUCK CEMENTER Walt

191 HELPER Wayne

BULK TRUCK

377 DRIVER Tareed

BULK TRUCK

DRIVER

REMARKS:

Cement Dig done

Approx 2 BBL to D.H.

Thank You

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>670.00</u>
EXTRA FOOTAGE	<u>81</u>	@	<u>5.54</u> <u>44.87</u>
MILEAGE	<u>65 miles</u>	@	<u>5.00</u> <u>325.00</u>
MANIFOLD		@	
		@	
		@	

TOTAL 1,039.87

CHARGE TO: Rosewood Resources

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

9 5/8

<u>1- Guide shoe</u>	@	<u>240.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>240.00</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE

PRINTED NAME

ALLIED CEMENTING CO., INC. 22269

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
All Times Central
OAKLEY, KS

DATE 1-21-06	SEC 36	TWP. 9S	RANGE 40W	CALLED OUT	ON LOCATION 7:00pm	JOB START 7:30pm	JOB FINISH 7:30pm
Trabel LEASE	WELL# 1-36H	LOCATION Goodland 25-112W			COUNTY Sherman	STATE KS	
OLD OR <u>NEW</u> (Circle one)				N.A.		RECEIVED	

CONTRACTOR Excell #3

TYPE OF JOB Fabricate down

HOLE SIZE _____ T.D. 1158'

CASING SIZE 7" 17# DEPTH 1161'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 43'

CEMENT LEFT IN CSG. 13'

PERFS. _____

DISPLACEMENT 46.42 BBLs

OWNER SAME

CEMENT KCC WICHITA

AMOUNT ORDERED 215 Com 290cc
1418 ppg

APR 28 2006

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzie

191 HELPER Wayne

BULK TRUCK

377 DRIVER Mike

BULK TRUCK

_____ DRIVER _____

COMMON	<u>215</u>	@ <u>10⁰⁰</u>	<u>2150⁰⁰</u>
POZMIX		@ _____	_____
GEL		@ _____	_____
CHLORIDE	<u>5</u>	@ <u>38⁰⁰</u>	<u>190⁰⁰</u>
ASC		@ _____	_____
		@ _____	_____
		@ _____	_____
		@ _____	_____
		@ _____	_____
		@ _____	_____
		@ _____	_____
HANDLING	<u>220</u>	@ <u>1⁶⁰</u>	<u>352⁰⁰</u>
MILEAGE	<u>.06 x 5 K mile</u>	@ _____	<u>858⁰⁰</u>
			TOTAL <u>3550⁰⁰</u>

REMARKS:

cement d.d circulate 12 BBLs

h.s. press 600 psi

hand press 200 psi

shut in

Plug down @ 3:30pm CT

Thanks Fuzzie & crew

SERVICE

DEPTH OF JOB	<u>1161'</u>		
PUMP TRUCK CHARGE			<u>670⁰⁰</u>
EXTRA FOOTAGE	<u>861'</u>	@ <u>.55</u>	<u>473⁵⁵</u>
MILEAGE	<u>65</u>	@ <u>5⁰⁰</u>	<u>325⁰⁰</u>
MANIFOLD		@ _____	_____
		@ _____	_____
		@ _____	_____
			TOTAL <u>1467⁵⁵</u>

CHARGE TO: Rosewood Resources Inc

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1.7" rubber plug</u>	@ _____	<u>70⁰⁰</u>
	@ _____	_____
	@ _____	_____
	@ _____	_____
	@ _____	_____
		TOTAL <u>70⁰⁰</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Earl McCarty

EARL McCARTY
PRINTED NAME

ALLIED CEMENTING CO., INC.

22269

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

All Times Central Oakley KS

DATE <u>1-21-06</u>	SEC <u>36</u>	TWP. <u>8S</u>	RANGE <u>40W</u>	CALLED OUT	ON LOCATION <u>7:00pm</u>	JOB START <u>7:30pm</u>	JOB FINISH <u>3:30pm</u>
LEASE <u>Fabel</u>	WELL# <u>#1-36H</u>	LOCATION <u>Goodland 2S-12W</u>			COUNTY <u>Sherman</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>W.N.</u>				

RECEIVED

APR 28 2006

CONTRACTOR Excell #3

TYPE OF JOB Intermediate string

HOLE SIZE _____ T.D. 1158'

CASING SIZE 7" 17# DEPTH 1161' ⁸³

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 43' ¹⁵

CEMENT LEFT IN CSG. 43' ¹²

PERFS. _____

DISPLACEMENT 46.42 BBLs

OWNER SAME

CEMENT KCC WICHITA

AMOUNT ORDERED 215 com 2 rock

14.8 ppg

COMMON	<u>215</u>	@ <u>10⁰⁰</u>	<u>2150⁰⁰</u>
POZMIX		@	
GEL		@	
CHLORIDE	<u>5</u>	@ <u>38⁰⁰</u>	<u>190⁰⁰</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>220</u>	@ <u>1⁶⁰</u>	<u>352⁰⁰</u>
MILEAGE	<u>.06 x 5 RT mile</u>		<u>858⁰⁰</u>
			TOTAL <u>3550⁰⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

191 HELPER Wayne

BULK TRUCK

377 DRIVER Mike

BULK TRUCK

_____ DRIVER _____

REMARKS:

cement did circulate 12 BBLs

h.s. + press 600 psi

hand press 800 psi

shot in

Plus down @ 3:30pm CT

Thanks Fuzzy + crew

SERVICE

DEPTH OF JOB	<u>1161' ⁹³</u>		
PUMP TRUCK CHARGE			<u>670⁰⁰</u>
EXTRA FOOTAGE	<u>861'</u>	@ <u>1.55</u>	<u>473⁵⁰</u>
MILEAGE	<u>65</u>	@ <u>5⁰⁰</u>	<u>325⁰⁰</u>
MANIFOLD		@	
		@	
		@	
			TOTAL <u>1468⁵⁰</u>

CHARGE TO: Rosewood Resources Inc

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1.7" rubber plug</u>	@	<u>70⁰⁰</u>
	@	
	@	
	@	
	@	
		TOTAL <u>70⁰⁰</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Earl McCarty

EARL McCARTY
PRINTED NAME

Survey Report

Multi-Shot Directional

File: Original

Job Number: 0632-404-022
 Operator: Rosewood
 Well: Isabel 1-36H

State: Kansas
 County: Sherman
 Rig: Excell # 3

Dip 1: * = 90.00 *	Start Date: 1-20-06	Information Provided By:
Target 1: ft TVD	Finish Date:	Multi-Shot
VS 1: ft	Magnetic Declination: 10.12 East (M-T)	Horizontal Coordinator(s):
Dip 2: * = 90.00 *	Assumed to True North	R. McPherson
Target 2: ft TVD	Direction: 22.49	
VS 2: ft		

SVY #	MEASURED DEPTH	INCL. (DRIFT)	AZIMUTH (DIR)	TRUE		DLS/ 100	ACTUAL BUR	BUR REQ'D	CENTER LINE			QUAD FORMAT	
				VERTICAL DEPTH	VERTICAL SECTION				ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)		EAST(+) WEST(-)
Tie													
1	500	0.80	167.00	499.98	-2.84	0.16	0.16	-11.30	-499.98	2.03	-3.40	0.79	S 13.0 E
2	534	0.40	32.40	533.98	-2.92	3.29	-1.18	-10.65	-533.98	2.18	-3.53	0.90	N 32.4 E
3	566	3.20	22.30	565.96	-1.92	8.77	8.75	-9.56	-565.96	2.20	-2.61	1.30	N 22.3 E
4	597	6.70	18.90	596.84	0.76	11.32	11.29	-8.48	-596.84	2.08	-0.10	2.22	N 18.9 E
5	628	10.40	18.60	627.49	5.35	11.94	11.94	-7.48	-627.49	1.78	4.27	3.69	N 18.6 E
6	660	14.20	20.80	658.75	12.16	11.96	11.88	-6.56	-658.75	1.47	10.67	6.01	N 20.8 E
7	691	17.70	23.90	688.56	20.68	11.62	11.29	-5.79	-688.56	1.47	18.54	9.27	N 23.9 E
8	723	21.30	24.00	718.72	31.35	11.25	11.25	-5.08	-718.72	1.75	28.30	13.61	N 24.0 E
9	754	24.60	22.90	747.26	43.44	10.73	10.65	-4.48	-747.26	1.94	39.39	18.41	N 22.9 E
10	786	27.90	21.70	775.95	57.59	10.44	10.31	-3.93	-775.95	1.89	52.49	23.77	N 21.7 E
11	817	31.20	20.80	802.92	72.87	10.74	10.65	-3.44	-802.92	1.55	66.73	29.31	N 20.8 E
12	848	34.70	19.70	828.93	89.71	11.45	11.29	-2.98	-828.93	0.88	82.55	35.13	N 19.7 E
13	879	38.30	19.50	853.84	108.13	11.62	11.61	-2.55	-853.84	-0.05	99.92	41.32	N 19.5 E
14	910	41.90	18.60	877.55	128.05	11.76	11.61	-2.17	-877.55	-1.25	118.79	47.83	N 18.6 E
15	942	45.80	18.20	900.62	150.16	12.22	12.19	-1.80	-900.62	-2.84	139.83	54.82	N 18.2 E
16	974	50.10	18.20	922.05	173.85	13.44	13.44	-1.45	-922.05	-4.61	162.39	62.24	N 18.2 E
17	1006	55.20	18.60	941.46	199.22	15.97	15.94	-1.09	-941.46	-6.42	186.52	70.27	N 18.6 E
18	1037	60.60	19.20	957.93	225.42	17.50	17.42	-0.77	-957.93	-8.06	211.36	78.78	N 19.2 E
19	1068	65.80	20.10	971.90	253.04	16.97	16.77	-0.52	-971.90	-9.43	237.41	88.08	N 20.1 E
20	1097	70.70	21.50	982.64	279.96	17.48	16.90	-0.33	-982.64	-10.22	262.57	97.65	N 21.5 E
21	1121	74.80	22.60	989.76	302.87	17.63	17.08	-0.20	-989.76	-10.39	283.81	106.25	N 22.6 E
22	1128	76.00	22.90	991.52	309.65	17.64	17.14	-0.17	-991.52	-10.36	290.06	108.87	N 22.9 E
23	1167	83.30	26.60	998.53	347.95	20.91	18.72	-0.04	-998.53	-8.83	324.87	124.94	N 26.6 E
24	1199	84.90	25.40	1001.82	379.72	6.24	5.00	-0.02	-1001.82	-6.89	353.47	138.89	N 25.4 E
25	1231	85.10	25.40	1004.61	411.56	0.63	0.62	-0.02	-1004.61	-5.27	382.27	152.56	N 25.4 E
26	1262	84.70	25.60	1007.36	442.39	1.44	-1.29	-0.02	-1007.36	-3.65	410.14	165.85	N 25.6 E
27	1293	87.50	24.80	1009.47	473.28	9.39	9.03	-0.01	-1009.47	-2.18	438.12	179.02	N 24.8 E
28	1325	88.40	24.60	1010.62	505.24	2.88	2.81	0.00	-1010.62	-0.95	467.17	192.38	N 24.6 E
29	1389	89.20	23.70	1011.96	569.19	1.88	1.25	0.00	-1011.96	0.90	525.56	218.56	N 23.7 E

15-181-20383-01-00

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Survey Report

Multi-Shot Directional

File: Original

Job Number: 0632-404-022
 Operator: Rosewood
 Well: Isabel 1-36H

State: Kansas
 County: Sherman
 Rig: Excell # 3

Dip 1: ° = 90.00 ° Target 1: ft TVD VS 1: ft	Start Date: 1-20-06 Finish Date:	Information Provided By: Multi-Shot
Dip 2: ° = 90.00 ° Target 2: ft TVD VS 2: ft	Magnetic Declination: 10.12 East (M-T) Assumed to True North	Horizontal Coordinator(s): R. McPherson
Direction: 22.49		

SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	TRUE		DLS/ 100	ACTUAL BUR	BUR REQD	CENTER LINE				QUAD FORMAT
				VERTICAL DEPTH	VERTICAL SECTION				ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	
30	1452	90.50	23.60	1012.12	632.18	2.07	2.06	0.00	-1012.12	2.18	583.27	243.83	N 23.6 E
31	1515	91.30	23.70	1011.13	695.16	1.28	1.27	0.00	-1011.13	3.45	640.97	269.10	N 23.7 E
32	1578	89.60	22.90	1010.64	758.15	2.98	-2.70	0.00	-1010.64	4.34	698.83	294.02	N 22.9 E
33	1641	89.10	22.80	1011.35	821.14	0.81	-0.79	0.00	-1011.35	4.74	756.88	318.48	N 22.8 E
34	1704	89.60	23.30	1012.07	884.13	1.12	0.79	0.00	-1012.07	5.35	814.84	343.15	N 23.3 E
35	1767	90.40	24.10	1012.07	947.12	1.80	1.27	0.00	-1012.07	6.69	872.53	368.47	N 24.1 E
36	1829	89.90	22.70	1011.90	1009.11	2.40	-0.81	0.00	-1011.90	7.67	929.43	393.09	N 22.7 E
37	1892	90.00	21.40	1011.96	1072.11	2.07	0.16	#DIV/0!	-1011.96	7.19	987.82	416.74	N 21.4 E
38	1955	90.70	21.50	1011.57	1135.09	1.12	1.11	0.00	-1011.57	6.04	1046.45	439.78	N 21.5 E
39	2018	92.10	22.70	1010.03	1198.07	2.93	2.22	0.00	-1010.03	5.61	1104.81	463.48	N 22.7 E
40	2074	91.30	23.90	1008.37	1254.04	2.57	-1.43	0.00	-1008.37	6.41	1156.21	485.62	N 23.9 E
41	2103	89.60	23.90	1008.14	1283.03	5.86	-5.86	0.00	-1008.14	7.12	1182.73	497.36	N 23.9 E
42	2166	90.10	24.10	1008.31	1346.01	0.85	0.79	0.00	-1008.31	8.78	1240.28	522.99	N 24.1 E
43	2229	89.80	23.40	1008.36	1408.99	1.21	-0.48	0.00	-1008.36	10.16	1297.94	548.36	N 23.4 E
44	2292	90.70	23.90	1008.09	1471.98	1.63	1.43	0.00	-1008.09	11.44	1355.65	573.63	N 23.9 E
45	2324	91.80	23.60	1007.39	1503.96	3.56	3.44	0.00	-1007.39	12.14	1384.93	586.52	N 23.6 E
46	2355	90.20	24.20	1006.85	1534.94	5.51	-5.16	0.00	-1006.85	12.91	1413.27	599.07	N 24.2 E
47	2387	87.80	23.60	1007.41	1566.93	7.73	-7.50	0.00	-1007.41	13.69	1442.52	612.04	N 23.6 E
48	2419	87.60	23.00	1008.69	1598.90	1.97	-0.63	0.00	-1008.69	14.14	1471.89	624.68	N 23.0 E
49	2482	89.50	23.50	1010.29	1661.87	3.12	3.02	0.00	-1010.29	14.98	1529.75	649.54	N 23.5 E
50	2545	89.10	24.50	1011.06	1724.84	1.71	-0.63	0.00	-1011.06	16.64	1587.30	675.17	N 24.5 E
51	2608	89.40	25.90	1011.88	1787.76	2.27	0.48	0.00	-1011.88	19.62	1644.29	701.99	N 25.9 E
52	2670	89.40	25.80	1012.53	1849.65	0.16	0.00	0.00	-1012.53	23.25	1700.09	729.02	N 25.8 E
53	2733	89.30	26.50	1013.25	1912.52	1.12	-0.16	0.00	-1013.25	27.27	1756.63	756.78	N 26.5 E
54	2796	88.80	26.10	1014.29	1975.37	1.02	-0.79	0.00	-1014.29	31.46	1813.11	784.69	N 26.1 E
55	2859	88.80	26.80	1015.61	2038.21	1.11	0.00	0.00	-1015.61	35.81	1869.50	812.75	N 26.8 E
56	2922	89.90	27.50	1016.32	2101.00	2.07	1.75	0.00	-1016.32	40.93	1925.55	841.49	N 27.5 E
57	2986	90.60	27.90	1016.05	2164.73	1.26	1.09	0.00	-1016.05	46.74	1982.22	871.24	N 27.9 E
58	3048	90.40	27.40	1015.50	2226.48	0.87	-0.32	0.00	-1015.50	52.31	2037.13	900.01	N 27.4 E
59	3111	89.70	27.40	1015.45	2289.24	1.11	-1.11	0.00	-1015.45	57.71	2093.06	929.00	N 27.4 E
60	3174	89.40	28.00	1015.94	2351.98	1.06	-0.48	0.00	-1015.94	63.43	2148.84	958.29	N 28.0 E
61	3237	89.40	28.10	1016.60	2414.68	0.16	0.00	0.00	-1016.60	69.53	2204.44	987.91	N 28.1 E

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Job Number: ML07179	State/Country: Kansas / U.S.A.
Company: Rosewood Resources, Inc.	Declination: 9.99
Lease/Well: Isabel 1-36 Lateral A	Grid: □
Location: Goodland	File name: C:\WINSERVE\ML07179.SVY
Rig Name: ADT H-35	Date/Time: 09-Apr-07 / 04:51
RKB: 13	Curve Name: Isabel 1-36 Lateral A
G.L. or M.S.L.: MSL	

Isabel 1-36 Lateral A

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .80
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

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<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>CLOSURE</i>		<i>Dogleg Severity Deg/100</i>
							<i>Distance FT</i>	<i>Direction Deg</i>	
Tie In To Original Multishot MWD Wellpath Surveys									
2229.00	89.80	23.40	1008.36	1297.94	548.36	1305.47	1409.02	22.90	.00
2253.00	89.60	19.40	1008.49	1320.28	557.12	1327.93	1433.01	22.88	16.69
2285.00	90.80	16.00	1008.37	1350.76	566.84	1358.54	1464.88	22.77	11.27
2317.00	90.80	14.40	1007.93	1381.64	575.23	1389.53	1496.60	22.60	5.00
2349.00	89.30	13.00	1007.90	1412.72	582.81	1420.72	1528.22	22.42	6.41
2381.00	88.10	11.20	1008.63	1444.00	589.52	1452.09	1559.70	22.21	6.76
2413.00	87.80	8.70	1009.77	1475.50	595.04	1483.66	1590.97	21.96	7.86
2444.00	88.20	6.50	1010.85	1506.21	599.14	1514.43	1621.00	21.69	7.21
2476.00	88.90	4.10	1011.66	1538.06	602.09	1546.31	1651.71	21.38	7.81
2508.00	89.30	1.40	1012.16	1570.01	603.63	1578.29	1682.06	21.03	8.53
2539.00	89.20	358.40	1012.57	1601.01	603.57	1609.28	1711.00	20.66	9.68
2571.00	88.80	356.90	1013.13	1632.97	602.26	1641.22	1740.50	20.24	4.85
2603.00	88.90	354.60	1013.77	1664.88	599.89	1673.09	1769.66	19.82	7.19
2635.00	87.90	351.90	1014.67	1696.64	596.13	1704.80	1798.32	19.36	8.99
2667.00	88.00	349.70	1015.81	1728.21	591.02	1736.29	1826.47	18.88	6.88
2699.00	88.50	347.70	1016.79	1759.57	584.75	1767.56	1854.19	18.38	6.44
2731.00	89.40	345.10	1017.37	1790.66	577.23	1798.55	1881.40	17.87	8.60
2763.00	91.10	342.80	1017.23	1821.41	568.38	1829.17	1908.04	17.33	8.94
2794.00	92.20	339.80	1016.34	1850.76	558.45	1858.38	1933.18	16.79	10.30
2826.00	92.70	338.00	1014.97	1880.59	546.94	1888.04	1958.51	16.22	5.83
2858.00	92.10	336.20	1013.63	1910.04	534.50	1917.31	1983.42	15.63	5.92
2890.00	91.20	335.30	1012.71	1939.20	521.36	1946.29	2008.06	15.05	3.98
2922.00	90.90	334.60	1012.13	1968.19	507.82	1975.08	2032.64	14.47	2.38
2954.00	89.60	333.30	1011.99	1996.93	493.76	2003.63	2057.07	13.89	5.75

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2986.00	88.10	332.60	1012.63	2025.43	479.22	2031.92	2081.35	13.31	5.17
3010.00	87.80	332.10	1013.49	2046.67	468.08	2053.01	2099.52	12.88	2.43
Straight Line To TD On Lateral A									
3060.00	87.80	332.10	1015.41	2090.83	444.71	2096.83	2137.60	12.01	.00

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Job Number: ML07179	State/Country: Kansas / U.S.A.
Company: Rosewood Resources, Inc.	Declination: 9.99
Lease/Well: Isabel 1-36 Lateral B	Grid:
Location: Goodland	File name: C:\WINSERVE\ML07179.SVY
Rig Name: ADT H-35	Date/Time: 10-Apr-07 / 13:45
RKB: 13	Curve Name: Isabel 1-36 Lateral B
G.L. or M.S.L.: MSL	

Isabel 1-36 Lateral B

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 353.52
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

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<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>CLOSURE Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
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Tie In To Original Multishot MWD Wellpath Surveys

1389.00	89.20	23.70	1011.96	525.56	218.56	497.54	569.19	22.58	.00
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First Survey With Scientific EM - MWD

1425.00	87.60	16.60	1012.97	559.32	230.95	529.68	605.13	22.44	20.21
1457.00	88.30	11.50	1014.11	590.33	238.71	559.62	636.77	22.02	16.08
1489.00	89.90	6.30	1014.61	621.93	243.66	590.46	667.96	21.39	17.00
1520.00	91.10	1.70	1014.34	652.85	245.82	620.93	697.59	20.63	15.33
1552.00	91.40	357.40	1013.65	684.83	245.57	652.74	727.53	19.73	13.47
1584.00	90.00	353.30	1013.25	716.71	242.97	684.71	756.78	18.73	13.54
1616.00	88.70	348.40	1013.62	748.30	237.89	716.67	785.20	17.64	15.84
1643.00	88.80	344.40	1014.21	774.53	231.54	743.45	808.40	16.64	14.82
1680.00	88.90	343.00	1014.95	810.03	221.16	779.90	839.68	15.27	3.79
1712.00	88.00	342.40	1015.82	840.57	211.65	811.32	866.81	14.13	3.38
1746.00	87.50	342.30	1017.15	872.95	201.35	844.65	895.87	12.99	1.50
1776.00	88.70	342.00	1018.14	901.49	192.16	874.04	921.74	12.03	4.12
1808.00	88.80	341.60	1018.84	931.88	182.16	905.37	949.52	11.06	1.29
1840.00	88.90	341.80	1019.49	962.25	172.12	936.68	977.53	10.14	.70
1871.00	88.80	341.20	1020.11	991.65	162.28	967.00	1004.84	9.29	1.96
1902.00	88.60	341.20	1020.81	1020.98	152.30	997.27	1032.28	8.48	.65
1934.00	88.50	341.00	1021.62	1051.25	141.93	1028.51	1060.79	7.69	.70
1966.00	89.00	341.40	1022.32	1081.53	131.62	1059.77	1089.51	6.94	2.00
1998.00	89.10	341.00	1022.85	1111.82	121.31	1091.03	1118.42	6.23	1.29
2030.00	88.90	340.80	1023.41	1142.06	110.84	1122.25	1147.42	5.54	.88
2062.00	88.90	340.10	1024.02	1172.21	100.14	1153.42	1176.48	4.88	2.19

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2094.00	90.20	341.00	1024.27	1202.38	89.48	1184.60	1205.70	4.26	4.94
2125.00	90.20	341.00	1024.16	1231.69	79.39	1214.86	1234.24	3.69	.00
2157.00	90.50	340.60	1023.97	1261.91	68.87	1246.07	1263.79	3.12	1.56
2189.00	90.90	340.20	1023.58	1292.05	58.13	1277.24	1293.36	2.58	1.77
2221.00	91.00	339.70	1023.05	1322.11	47.16	1308.34	1322.95	2.04	1.59
2253.00	89.20	339.50	1022.99	1352.10	36.01	1339.40	1352.58	1.53	5.66
2285.00	89.20	339.70	1023.44	1382.09	24.86	1370.46	1382.31	1.03	.62
2317.00	89.40	339.40	1023.83	1412.07	13.68	1401.51	1412.14	.55	1.13
2349.00	89.80	339.30	1024.05	1442.01	2.39	1432.53	1442.02	.10	1.29
2381.00	90.00	339.10	1024.11	1471.93	-8.97	1463.54	1471.96	359.65	.88
2413.00	89.80	338.90	1024.16	1501.80	-20.44	1494.52	1501.94	359.22	.88
2444.00	88.30	339.00	1024.68	1530.73	-31.57	1524.51	1531.06	358.82	4.85
2508.00	88.60	338.80	1026.41	1590.42	-54.60	1586.42	1591.35	358.03	.56
2539.00	88.50	338.30	1027.19	1619.26	-65.94	1616.36	1620.60	357.67	1.64
2571.00	88.60	338.70	1028.00	1649.02	-77.66	1647.25	1650.85	357.30	1.29
2603.00	87.80	340.40	1029.01	1678.99	-88.83	1678.29	1681.34	356.97	5.87
Straight Line Projection To T. D.									
2686.00	87.80	340.40	1032.20	1757.12	-116.66	1759.06	1760.99	356.20	.00

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