

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-039-27273
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: State Bancos
8. Well Number #100S
9. OGRID Number 162928
10. Pool name or Wildcat Basin Fruitland Coal
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6731' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other
2. Name of Operator Energen Resources Corporation
3. Address of Operator 2010 Afton Place, Farmington, NM 87401
4. Well Location Unit Letter <u>D</u> : <u>720</u> feet from the <u>North</u> line and <u>1180</u> feet from the <u>West</u> line Section <u>32</u> Township <u>32N</u> Range <u>05W</u> NMPM County <u>Rio Arriba</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6731' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: Re-complete

☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER:

☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

RCVD OCT 18 '10

Energen Resources plans to re-complete the State Bancos #100S as follows:

OIL CONS. DIV.

- *Set a plug and whipstock at 3130' TVD and mill a window from 3115' - 3123'.
- *Drill a curve and horizontal lateral to a MD of 6636' (3435' TVD) with a BHL of 760'FNL, 760'FEL.
- *Line the lateral with a perforated 4-1/2", 11.6#, J-55 LTC liner string.
- *A 2-3/8" tubing string will be landed @ 3230'TVD in the 7" casing.

DIST. 3

Attached is a revised C-102 and directional plan depicting this recompletion.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stephen Byers TITLE Drilling Engineer DATE 10/14/2010
Type or print name Stephen Byers E-mail address: sbyers@energen.com PHONE 505.325.6800

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE NOV 02 2010
Conditions of Approval (if any):

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-27273		² Pool Code 71629		³ Pool Name Basin Fruitland Coal	
⁴ Property Code 30934		⁵ Property Name State Bancos			⁶ Well Number 100S
⁷ OGRID No. 162928		⁸ Operator Name Energen Resources Corporation			⁹ Elevation 6731'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	32N	5W		720	North	1180	West	Rio Arriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
A	32	32N	5W		760	North	760	East	Rio Arriba

¹² Dedicated Acres 320 N/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

5278.68'

16 1180' 720' SHL BHL 32	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stephen Byers</i> 10/14/2010 Signature Date Stephen Byers Printed Name sbyers@energen.com E-mail Address
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. November 8, 2002 Date of Survey Signature and Seal of Professional Surveyor: Jason C. Edwards Certificate Number 15269

5280.00'



Energen Resources Corp.

SJBR Sec.32-T32N-R05W

Eul Canyon

State Bancos #100S ST

Re-Entry Sidetrack OPE FTC

Plan: Sidetrack Plan #1

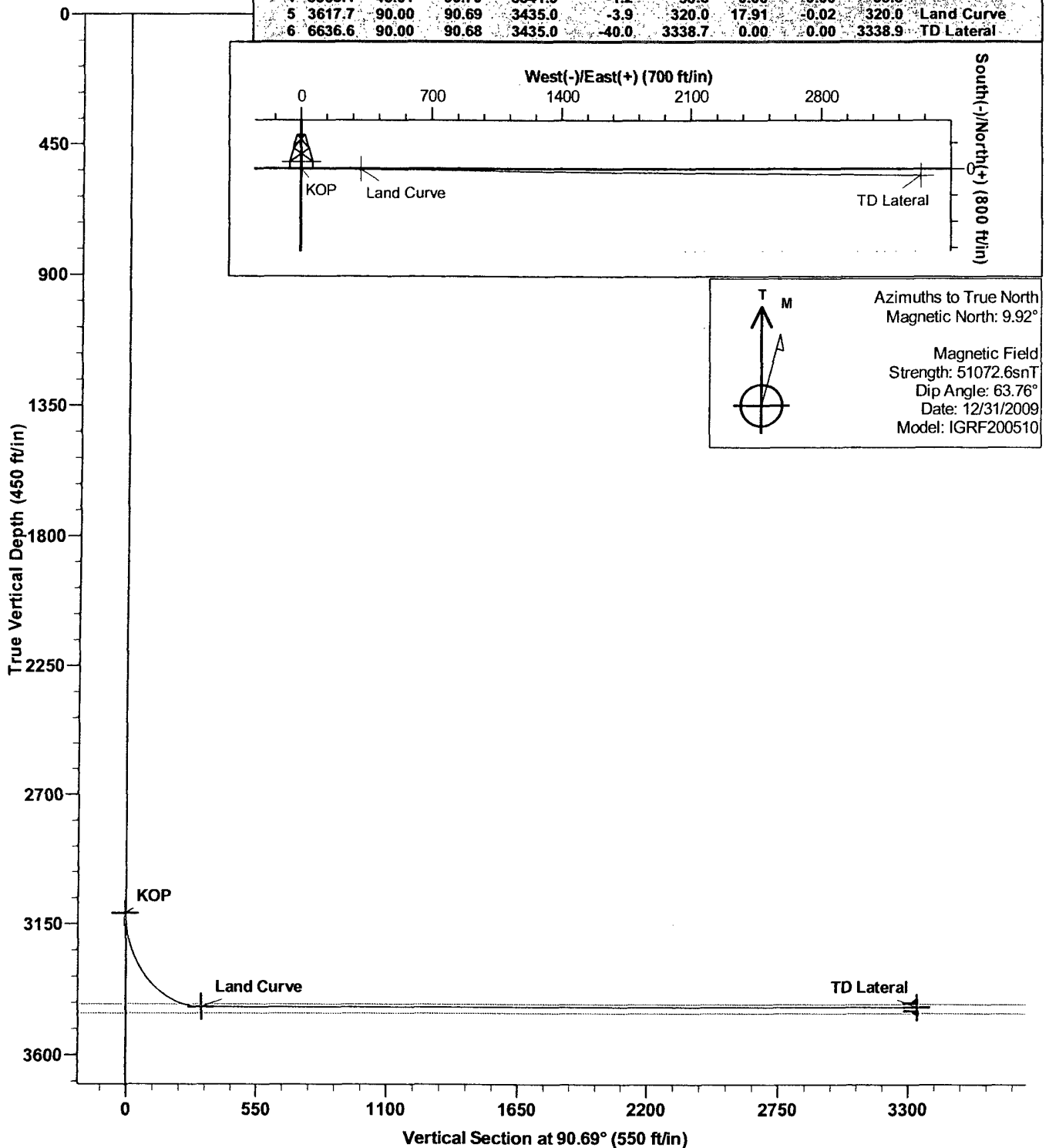
DIRECTIONAL PLAN

14 October, 2010

Prepared By: Stephen Byers

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3115.0	0.00	0.00	3115.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3366.3	45.01	90.70	3341.2	-1.2	93.7	17.91	90.70	93.7	
4	3366.4	45.01	90.70	3341.3	-1.2	93.8	0.00	0.00	93.8	
5	3617.7	90.00	90.69	3435.0	-3.9	320.0	17.91	-0.02	320.0	Land Curve
6	6636.6	90.00	90.68	3435.0	-40.0	3338.7	0.00	0.00	3338.9	TD Lateral



Energen

DIRECTIONAL PLAN

Company: Energen Resources
Project: SJBR Sec.32-T32N-R05W
Site: Eul Canyon
Well: State Bancos #100S ST
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Sidetrack Plan #1

Local Co-ordinate Reference: Well State Bancos #100S ST
TVD Reference: KB @ 6746.0ft (KB)
MD Reference: KB @ 6746.0ft (KB)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project	SJBR Sec.32-T32N-R05W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Eul Canyon		
Site Position:		Northing:	2,164,268.81 ft
From:	Lat/Long	Easting:	1,307,175.89 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 56' 32.136 N
		Longitude:	107° 23' 25.224 W
		Grid Convergence:	-0.69 °

Well	State Bancos #100S ST		
Well Position	+N/-S	0.0 ft	Northing: 2,164,268.81 ft
	+E/-W	0.0 ft	Easting: 1,307,175.89 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,731.0 ft
		Latitude:	36° 56' 32.136 N
		Longitude:	107° 23' 25.224 W
		Ground Level:	6,731.0 ft

Wellbore	Re-Entry Sidetrack OPE FTC				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.92	63.76	51,073

Design	Sidetrack Plan #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	90.69	

Survey Tool Program	Date 10/14/2010				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	6,636.6	Sidetrack Plan #1 (Re-Entry Sidetrack OP	MWD	MWD - Standard	

Planned Survey							
MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
100.0	100.0	0.00	0.00	0.00	0.0	0.0	0.0
200.0	200.0	0.00	0.00	0.00	0.0	0.0	0.0
300.0	300.0	0.00	0.00	0.00	0.0	0.0	0.0
400.0	400.0	0.00	0.00	0.00	0.0	0.0	0.0
500.0	500.0	0.00	0.00	0.00	0.0	0.0	0.0
600.0	600.0	0.00	0.00	0.00	0.0	0.0	0.0
700.0	700.0	0.00	0.00	0.00	0.0	0.0	0.0
800.0	800.0	0.00	0.00	0.00	0.0	0.0	0.0
900.0	900.0	0.00	0.00	0.00	0.0	0.0	0.0
1,000.0	1,000.0	0.00	0.00	0.00	0.0	0.0	0.0
1,100.0	1,100.0	0.00	0.00	0.00	0.0	0.0	0.0

Energen

DIRECTIONAL PLAN

Company: Energen Resources
Project: SJBR Sec.32-T32N-R05W
Site: Eu! Canyon
Well: State Bancos #100S ST
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Sidetrack Plan #1

Local Co-ordinate Reference: Well State Bancos #100S ST
TVD Reference: KB @ 6746.0ft (KB)
MD Reference: KB @ 6746.0ft (KB)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
1,200.0	1,200.0	0.00	0.00	0.00	0.0	0.0	0.0
1,300.0	1,300.0	0.00	0.00	0.00	0.0	0.0	0.0
1,400.0	1,400.0	0.00	0.00	0.00	0.0	0.0	0.0
1,500.0	1,500.0	0.00	0.00	0.00	0.0	0.0	0.0
1,600.0	1,600.0	0.00	0.00	0.00	0.0	0.0	0.0
1,700.0	1,700.0	0.00	0.00	0.00	0.0	0.0	0.0
1,800.0	1,800.0	0.00	0.00	0.00	0.0	0.0	0.0
1,900.0	1,900.0	0.00	0.00	0.00	0.0	0.0	0.0
2,000.0	2,000.0	0.00	0.00	0.00	0.0	0.0	0.0
2,100.0	2,100.0	0.00	0.00	0.00	0.0	0.0	0.0
2,200.0	2,200.0	0.00	0.00	0.00	0.0	0.0	0.0
2,300.0	2,300.0	0.00	0.00	0.00	0.0	0.0	0.0
2,400.0	2,400.0	0.00	0.00	0.00	0.0	0.0	0.0
2,500.0	2,500.0	0.00	0.00	0.00	0.0	0.0	0.0
2,600.0	2,600.0	0.00	0.00	0.00	0.0	0.0	0.0
2,700.0	2,700.0	0.00	0.00	0.00	0.0	0.0	0.0
2,800.0	2,800.0	0.00	0.00	0.00	0.0	0.0	0.0
2,900.0	2,900.0	0.00	0.00	0.00	0.0	0.0	0.0
3,000.0	3,000.0	0.00	0.00	0.00	0.0	0.0	0.0
3,100.0	3,100.0	0.00	0.00	0.00	0.0	0.0	0.0
3,115.0	3,115.0	0.00	0.00	0.00	0.0	0.0	0.0
KOP							
3,125.0	3,125.0	1.79	90.70	17.91	0.0	0.2	0.2
3,150.0	3,149.9	6.27	90.70	17.91	0.0	1.9	1.9
3,175.0	3,174.6	10.75	90.70	17.91	-0.1	5.6	5.6
3,200.0	3,199.0	15.22	90.70	17.91	-0.1	11.2	11.2
3,225.0	3,222.8	19.70	90.70	17.91	-0.2	18.7	18.7
3,250.0	3,246.0	24.18	90.70	17.91	-0.3	28.1	28.1
3,275.0	3,268.4	28.66	90.70	17.91	-0.5	39.2	39.2
3,300.0	3,289.9	33.13	90.70	17.91	-0.6	52.0	52.0
3,325.0	3,310.2	37.61	90.70	17.91	-0.8	66.5	66.5
3,350.0	3,329.4	42.09	90.70	17.91	-1.0	82.5	82.5
3,366.3	3,341.2	45.01	90.70	17.92	-1.2	93.7	93.7
3,366.4	3,341.3	45.01	90.70	0.00	-1.2	93.8	93.8
3,375.0	3,347.3	46.54	90.70	17.91	-1.2	100.0	100.0
3,400.0	3,363.8	51.02	90.70	17.91	-1.5	118.8	118.8
3,425.0	3,378.7	55.50	90.70	17.91	-1.7	138.8	138.8
3,450.0	3,392.1	59.98	90.70	17.91	-2.0	159.9	159.9
3,475.0	3,403.7	64.45	90.70	17.91	-2.2	182.0	182.0
3,500.0	3,413.6	68.93	90.70	17.91	-2.5	205.0	205.0
3,525.0	3,421.7	73.41	90.69	17.91	-2.8	228.6	228.7
3,537.5	3,425.0	75.64	90.69	17.91	-2.9	240.7	240.7
Top Target Coal							
3,550.0	3,427.9	77.89	90.69	17.91	-3.1	252.9	252.9
3,575.0	3,432.2	82.36	90.69	17.91	-3.4	277.5	277.5

Energen

DIRECTIONAL PLAN

Company: Energen Resources
Project: SJBR Sec.32-T32N-R05W
Site: Eul Canyon
Well: State Bancos #100S ST
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Sidetrack Plan #1

Local Co-ordinate Reference: Well State Bancos #100S ST
TVD Reference: KB @ 6746.0ft (KB)
MD Reference: KB @ 6746.0ft (KB)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
3,600.0	3,434.5	86.84	90.69	17.91	-3.7	302.4	302.4
3,617.7	3,435.0	90.00	90.69	17.90	-3.9	320.0	320.0
Land Curve							
3,700.0	3,435.0	90.00	90.69	0.00	-4.9	402.3	402.4
3,800.0	3,435.0	90.00	90.69	0.00	-6.1	502.3	502.4
3,900.0	3,435.0	90.00	90.69	0.00	-7.3	602.3	602.4
4,000.0	3,435.0	90.00	90.69	0.00	-8.5	702.3	702.4
4,100.0	3,435.0	90.00	90.69	0.00	-9.7	802.3	802.4
4,200.0	3,435.0	90.00	90.69	0.00	-10.9	902.3	902.4
4,300.0	3,435.0	90.00	90.69	0.00	-12.1	1,002.3	1,002.4
4,400.0	3,435.0	90.00	90.69	0.00	-13.3	1,102.3	1,102.4
4,500.0	3,435.0	90.00	90.69	0.00	-14.5	1,202.3	1,202.4
4,600.0	3,435.0	90.00	90.69	0.00	-15.7	1,302.3	1,302.4
4,700.0	3,435.0	90.00	90.69	0.00	-16.9	1,402.3	1,402.4
4,800.0	3,435.0	90.00	90.69	0.00	-18.1	1,502.3	1,502.4
4,900.0	3,435.0	90.00	90.69	0.00	-19.3	1,602.2	1,602.4
5,000.0	3,434.9	90.00	90.69	0.00	-20.5	1,702.2	1,702.4
5,100.0	3,434.9	90.00	90.69	0.00	-21.8	1,802.2	1,802.4
5,200.0	3,434.9	90.01	90.69	0.00	-23.0	1,902.2	1,902.4
5,300.0	3,434.9	90.01	90.69	0.00	-24.2	2,002.2	2,002.4
5,400.0	3,434.9	90.01	90.69	0.00	-25.4	2,102.2	2,102.4
5,500.0	3,434.9	90.01	90.69	0.00	-26.6	2,202.2	2,202.4
5,600.0	3,434.9	90.01	90.69	0.00	-27.8	2,302.2	2,302.4
5,700.0	3,434.9	90.01	90.69	0.00	-29.0	2,402.2	2,402.4
5,800.0	3,434.9	90.01	90.69	0.00	-30.2	2,502.2	2,502.4
5,900.0	3,434.9	90.01	90.69	0.00	-31.4	2,602.2	2,602.4
6,000.0	3,434.8	90.01	90.69	0.00	-32.6	2,702.2	2,702.4
6,100.0	3,434.8	90.01	90.69	0.00	-33.8	2,802.2	2,802.4
6,200.0	3,434.8	90.01	90.69	0.00	-35.0	2,902.2	2,902.4
6,300.0	3,434.8	90.01	90.69	0.00	-36.2	3,002.1	3,002.4
6,400.0	3,434.8	90.01	90.69	0.00	-37.4	3,102.1	3,102.4
6,500.0	3,434.8	90.01	90.69	0.00	-38.6	3,202.1	3,202.4
6,600.0	3,434.8	90.01	90.69	0.00	-39.8	3,302.1	3,302.4
6,636.6	3,435.0	90.00	90.68	-0.03	-40.0	3,338.7	3,338.9

TD Lateral

Energen

DIRECTIONAL PLAN

Company: Energen Resources
Project: SJBR Sec.32-T32N-R05W
Site: Eul Canyon
Well: State Bancos #100S ST
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Sidetrack Plan #1

Local Co-ordinate Reference: Well State Bancos #100S ST
TVD Reference: KB @ 6746.0ft (KB)
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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Land Curve - plan hits target - Point	0.00	0.00	3,435.0	-3.9	320.0	2,164,261.09	1,307,495.82	36° 56' 32.097 N	107° 23' 21.282 W
TD Lateral - plan hits target - Point	0.00	0.00	3,435.0	-40.0	3,338.7	2,164,188.88	1,310,513.86	36° 56' 31.739 N	107° 22' 44.099 W
KOP - plan hits target - Point	0.00	0.00	3,115.0	0.0	0.0	2,164,268.81	1,307,175.89	36° 56' 32.136 N	107° 23' 25.224 W

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,636.0	3,434.7	Liner	4-1/2	6-1/4

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,537.5	3,425.0	Top Target Coal		0.00	
	3,456.0	Base Target Coal		0.00	

Checked By: _____ Approved By: _____ Date: _____