

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP 07 2007
Bureau of Land Management
Farmington Field Office

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

3a. Address

2198 Bloomfield Highway, Farmington, NM 87401

3b. Phone No. (include area code)

(505) 325-6800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 410' FSL, 1320' FEL (P)

BHL: 760' FNL, 100' FWL (A)

Sec. 19, T32N, R5W

5. Lease Serial No.

SF-080657

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

San Juan 32-5 Unit #112

9. API Well No.

30-039-26720

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

Rio Arriba NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Casing Repair ☐ New Construction ☒ Recomplete ☐ Other
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon
☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources would like to recompleate the San Juan 32-5 Unit #112 by drilling a horizontal lateral off of the existing vertical wellbore as indicated on the revised attached C-102 and directional wellplan. A whipstock will be set at 2883'+/- (TVD) and window milled in the existing 7" casing from 2871'-2877'+/- (TVD). The lateral will be drilled to 7095' MD, 3071' TVD. A 4.5" 11.6 ppf, J-55, LTC pre-drilled liner will be ran and set from 2873'-7095' MD. A 2 3/8" tubing string will be landed at 3152'TVD in the 7" casing.

RCVD SEP 11 '07

OIL CONS. DIV.

DIST. 3

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

HOLD 0104 FOR *directional survey*
as drilled C-102

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jason Kincaid

Title

Drilling Engineer

Date

9/5/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would enable the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NRMOCD 6

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26720	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name San Juan 32-5 Unit	⁶ Well Number #112
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 6405' GL

¹⁰ Surface Location

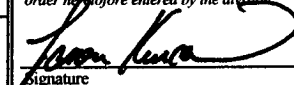
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	32N	5W		410	South	1320	East	Rio Arriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	19	32N	5W		760	North	100	West	Rio Arriba

¹² Dedicated Acres 355.25	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.

<div style="position: relative; height: 460px;"> <div style="position: absolute; top: 10%; left: 45%; transform: rotate(-45deg);">100'</div> <div style="position: absolute; top: 10%; left: 52%;">760'</div> <div style="position: absolute; top: 10%; left: 53%;">BHL</div> <div style="position: absolute; bottom: 10%; left: 45%; transform: rotate(-45deg);">150'</div> <div style="position: absolute; bottom: 10%; left: 45%;">410'</div> <div style="position: absolute; bottom: 10%; left: 52%;">SHL 1320'</div> </div>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>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></p> <p>Signature:  Date: 9/5/2007</p> <p>Jason Kincaid Printed Name</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>September 12, 2000</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Original Survey Conducted and Recorded By: Neale C. Edwards</p>
	6857
	Certificate Number

Energen Resources

SJBR-S19, T32N, R5W

Eul Canyon

San Juan 32-5 Unit #112

San Juan 32-5 Unit #112 ST

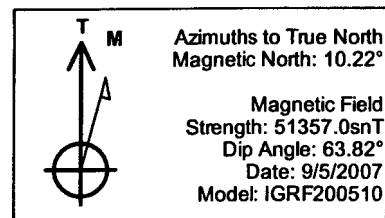
Plan: Preliminary Plan

Plan Design

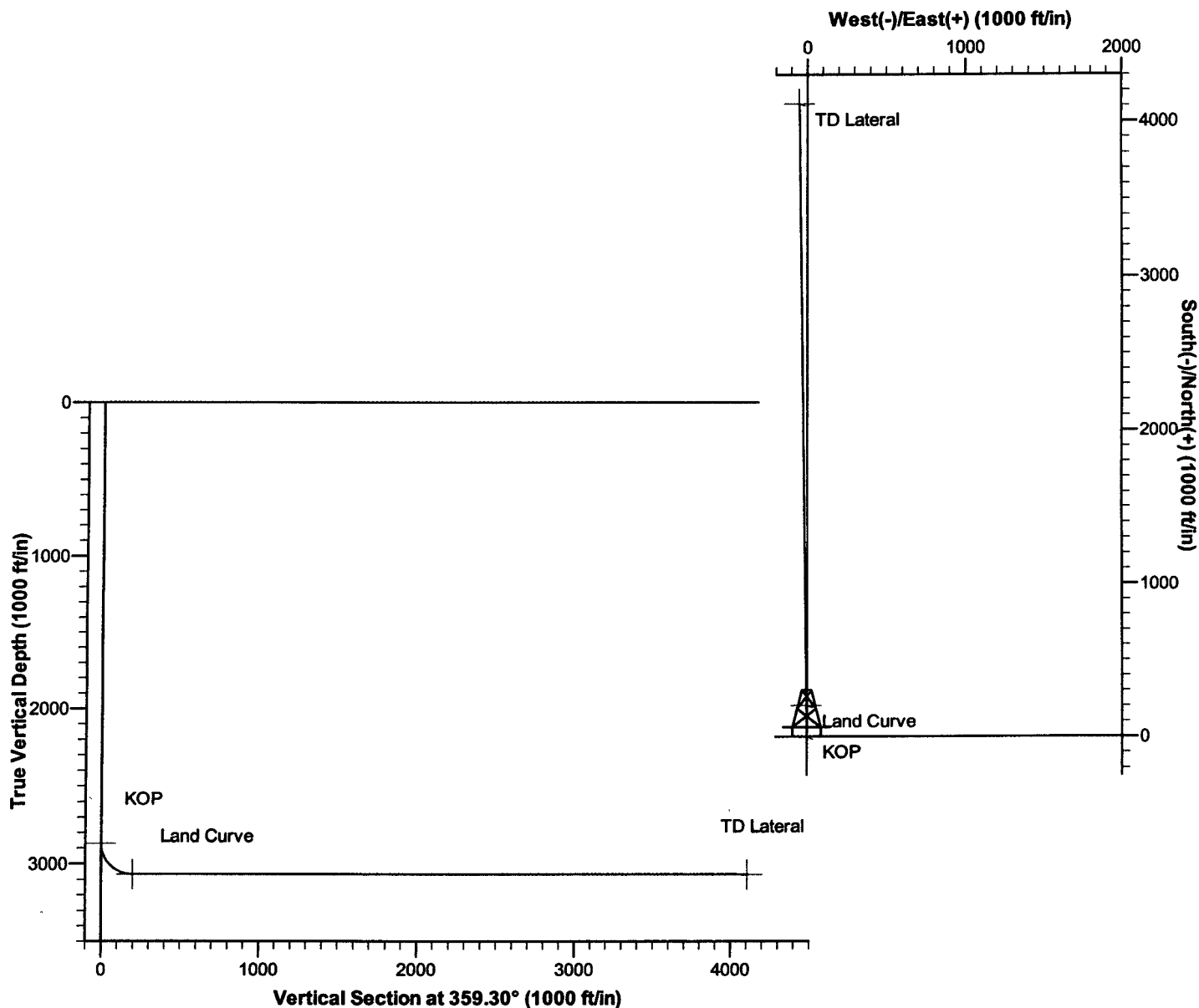
05 September, 2007

Project: SJBR-S19, T32N, R5W
Site: Eul Canyon
Well: San Juan 32-5 Unit #112
Wellbore: San Juan 32-5 Unit #112 ST
Plan: Preliminary Plan (San Juan 32-5 Unit #112/San Juan 32-5 Unit #112 ST)

PROJECT DETAILS: SJBR-S19, T32N, R5W									
Geodetic System: US State Plane 1983									
Datum: North American Datum 1983									
Ellipsoid: GRS 1980									
Zone: New Mexico Central Zone									
System Datum: Mean Sea Level									



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	2871.0	0.00	0.00	2871.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3185.2	90.00	359.31	3071.0	200.0	-2.4	28.65	359.31	200.0	Land Curve
4	7095.5	90.00	359.29	3071.0	4110.0	-50.2	0.00	-107.74	4110.3	TD Lateral



Energen

Plan Design

Company: Energen Resources
Project: SJBR-S19, T32N, R5W
Site: Eul Canyon
Well: San Juan 32-5 Unit #112
Wellbore: San Juan 32-5 Unit #112 ST
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit #112
TVD Reference: KB @ 6427.0ft (Drilling Rig)
MD Reference: KB @ 6427.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project SJBR-S19, T32N, R5W

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Central Zone

System Datum: Mean Sea Level

Site Eul Canyon

Site Position:		Northing:	2,170,611.58 ft	Latitude:	36° 57' 34.560 N
From:	Lat/Long	Easting:	1,304,785.49 ft	Longitude:	107° 23' 55.608 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.69 °

Well San Juan 32-5 Unit #112

Well Position	+N/-S	0.0 ft	Northing:	2,170,611.58 ft	Latitude:	36° 57' 34.560 N
	+E/-W	0.0 ft	Easting:	1,304,785.49 ft	Longitude:	107° 23' 55.608 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,405.0 ft	Ground Level:	6,405.0 ft

Wellbore San Juan 32-5 Unit #112 ST

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	9/5/2007	10.22	63.82	51,357

Design Preliminary Plan

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	359.30

Survey Tool Program **Date** 9/5/2007

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	7,095.5	Preliminary Plan (San Juan 32-5 Unit #112	MWD	MWD - Standard

Planned Survey

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

Energen Plan Design

Company: Energen Resources
Project: SJBR-S19, T32N, R5W
Site: Eul Canyon
Well: San Juan 32-5 Unit #112
Wellbore: San Juan 32-5 Unit #112 ST
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit #112
TVD Reference: KB @ 6427.0ft (Drilling Rig)
MD Reference: KB @ 6427.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
1,200.0	0.00	0.00	0.00	0.0	0.0	0.0
1,300.0	0.00	0.00	0.00	0.0	0.0	0.0
1,400.0	0.00	0.00	0.00	0.0	0.0	0.0
1,500.0	0.00	0.00	0.00	0.0	0.0	0.0
1,600.0	0.00	0.00	0.00	0.0	0.0	0.0
1,700.0	0.00	0.00	0.00	0.0	0.0	0.0
1,800.0	0.00	0.00	0.00	0.0	0.0	0.0
1,900.0	0.00	0.00	0.00	0.0	0.0	0.0
2,000.0	0.00	0.00	0.00	0.0	0.0	0.0
2,100.0	0.00	0.00	0.00	0.0	0.0	0.0
2,200.0	0.00	0.00	0.00	0.0	0.0	0.0
2,300.0	0.00	0.00	0.00	0.0	0.0	0.0
2,400.0	0.00	0.00	0.00	0.0	0.0	0.0
2,500.0	0.00	0.00	0.00	0.0	0.0	0.0
2,600.0	0.00	0.00	0.00	0.0	0.0	0.0
2,700.0	0.00	0.00	0.00	0.0	0.0	0.0
2,800.0	0.00	0.00	0.00	0.0	0.0	0.0
2,871.0	0.00	0.00	0.00	0.0	0.0	0.0
2,880.0	2.58	359.31	28.65	0.2	0.0	0.2
2,900.0	8.31	359.31	28.65	2.1	0.0	2.1
2,920.0	14.04	359.31	28.65	6.0	-0.1	6.0
2,940.0	19.77	359.31	28.65	11.8	-0.1	11.8
2,960.0	25.50	359.31	28.65	19.5	-0.2	19.5
2,980.0	31.23	359.31	28.65	29.0	-0.3	29.0
3,000.0	36.96	359.31	28.65	40.2	-0.5	40.2
3,020.0	42.69	359.31	28.65	53.0	-0.6	53.0
3,040.0	48.41	359.31	28.65	67.2	-0.8	67.3
3,060.0	54.14	359.31	28.65	82.8	-1.0	82.9
3,080.0	59.87	359.31	28.65	99.6	-1.2	99.6
3,100.0	65.60	359.31	28.65	117.4	-1.4	117.4
3,120.0	71.33	359.31	28.65	136.0	-1.6	136.0
3,140.0	77.06	359.31	28.65	155.2	-1.9	155.2
3,160.0	82.79	359.31	28.65	174.9	-2.1	174.9
3,180.0	88.52	359.31	28.65	194.8	-2.3	194.8
3,185.2	90.00	359.31	28.65	200.0	-2.4	200.0
3,200.0	90.00	359.31	0.00	214.8	-2.6	214.8
3,300.0	90.00	359.31	0.00	314.8	-3.8	314.8
3,400.0	90.00	359.31	0.00	414.8	-5.0	414.8
3,500.0	90.00	359.31	0.00	514.8	-6.2	514.8
3,600.0	90.00	359.31	0.00	614.8	-7.4	614.8
3,700.0	90.00	359.31	0.00	714.8	-8.6	714.8
3,800.0	90.00	359.31	0.00	814.8	-9.8	814.8
3,900.0	90.00	359.31	0.00	914.8	-11.0	914.8
4,000.0	90.00	359.31	0.00	1,014.8	-12.2	1,014.8

Energen Plan Design

Company: Energen Resources
Project: SJBR-S19, T32N, R5W
Site: Eul Canyon
Well: San Juan 32-5 Unit #112
Wellbore: San Juan 32-5 Unit #112 ST
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit #112
TVD Reference: KB @ 6427.0ft (Drilling Rig)
MD Reference: KB @ 6427.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
4,100.0	90.00	359.31	0.00	1,114.8	-13.4	1,114.8
4,200.0	90.00	359.31	0.00	1,214.8	-14.6	1,214.8
4,300.0	90.00	359.31	0.00	1,314.7	-15.8	1,314.8
4,400.0	90.00	359.30	0.00	1,414.7	-17.1	1,414.8
4,500.0	90.00	359.30	0.00	1,514.7	-18.3	1,514.8
4,600.0	90.00	359.30	0.00	1,614.7	-19.5	1,614.8
4,700.0	90.00	359.30	0.00	1,714.7	-20.7	1,714.8
4,800.0	90.00	359.30	0.00	1,814.7	-21.9	1,814.8
4,900.0	90.00	359.30	0.00	1,914.7	-23.1	1,914.8
5,000.0	90.00	359.30	0.00	2,014.7	-24.4	2,014.8
5,100.0	90.00	359.30	0.00	2,114.7	-25.6	2,114.8
5,200.0	90.00	359.30	0.00	2,214.7	-26.8	2,214.8
5,300.0	90.00	359.30	0.00	2,314.7	-28.0	2,314.8
5,400.0	90.00	359.30	0.00	2,414.7	-29.3	2,414.8
5,500.0	90.00	359.30	0.00	2,514.7	-30.5	2,514.8
5,600.0	90.00	359.30	0.00	2,614.6	-31.7	2,614.8
5,700.0	90.00	359.30	0.00	2,714.6	-32.9	2,714.8
5,800.0	90.00	359.30	0.00	2,814.6	-34.2	2,814.8
5,900.0	90.00	359.29	0.00	2,914.6	-35.4	2,914.8
6,000.0	90.00	359.29	0.00	3,014.6	-36.6	3,014.8
6,100.0	90.00	359.29	0.00	3,114.6	-37.9	3,114.8
6,200.0	90.00	359.29	0.00	3,214.6	-39.1	3,214.8
6,300.0	90.00	359.29	0.00	3,314.6	-40.3	3,314.8
6,400.0	90.00	359.29	0.00	3,414.6	-41.6	3,414.8
6,500.0	90.00	359.29	0.00	3,514.6	-42.8	3,514.8
6,600.0	90.00	359.29	0.00	3,614.6	-44.0	3,614.8
6,700.0	90.00	359.29	0.00	3,714.6	-45.3	3,714.8
6,800.0	90.00	359.29	0.00	3,814.6	-46.5	3,814.8
6,900.0	90.00	359.29	0.00	3,914.5	-47.8	3,914.8
7,000.0	90.00	359.29	0.00	4,014.5	-49.0	4,014.8
7,095.5	90.00	359.29	0.00	4,110.0	-50.2	4,110.3

Energen

Plan Design

Company: Energen Resources
Project: SJBR-S19, T32N, R5W
Site: Eul Canyon
Well: San Juan 32-5 Unit #112
Wellbore: San Juan 32-5 Unit #112 ST
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit #112
TVD Reference: KB @ 6427.0ft (Drilling Rig)
MD Reference: KB @ 6427.0ft (Drilling Rig)
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	3,071.0	200.0	-2.4	2,170,811.60	1,304,785.50	36° 57' 36.537 N	107° 23' 55.638 W
KOP - plan hits target - Point	0.00	0.00	2,871.0	0.0	0.0	2,170,611.58	1,304,785.49	36° 57' 34.560 N	107° 23' 55.608 W
TD Lateral - plan hits target - Point	0.00	0.00	3,071.0	4,110.0	-50.2	2,174,721.89	1,304,784.84	36° 58' 15.196 N	107° 23' 56.227 W

Checked By: _____ Approved By: _____ Date: _____

BLM CONDITIONS OF APPROVAL

WORKOVER AND RECOMPLETION OPERATIONS:

- 1. A properly functioning BOP and related equipment must be installed prior to commencing workover and/or recompletion operations.**
- 2. If this well is in a Seasonal Closure Area, adhere to the closure requirements and timeframes.**
- 3. If casing repair operations are needed, obtain prior approval from this office before commencing repairs**

SURFACE USE OPERATIONS:

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

STANDARD STIPULATIONS: All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of workover activities.

SPECIAL STIPULATIONS:

- 1. Pits will be fenced during workover operation.**
- 2. All disturbance will be kept on existing pad.**
- 3. All pits will be pulled and closed immediately upon completion of the workover activities.**
- 4. Pits will be lined with an impervious material at least 12 mils thick.**