

As Drilled

RCVD JUL 29 '08

OIL CONS. DIV.

DIST. 3

Form C-102

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

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

API Number 30-089-26720		Pool Code 71029		Pool Name Basin Fruitland Coal	
Property Code 219916		Property Name San Juan 32.5 Unit			Well Number 112
OGRID No. 162928		Operator Name Energen Resources Corporation			Elevation 6405'

Surface Location

UL or lot no. P	Section 19	Township 32N	Range 05W	Lot Idn	Feet from the 410'	North/South line South	Feet from the 1320'	East/West line East	County Rio Arriba
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Bottom Hole Location If Different From Surface

UL or lot no.	Section 19	Township 32N	Range 05W	Lot Idn	Feet from the 2475'	North/South line North	Feet from the 152'	East/West line West	County Rio Arriba
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Dedicated Acres 355.25	Joint or Infill	Consolidation Code	Order No. R-2319-A NSL-4482-NSP
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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.

16			26+1			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 Signature: Vicki Donaghey Date: 7-28-08 Printed Name: Vicki Donaghey
14			26+2			
13			26+3			
			26+4			
23			24			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. Date of Survey: 09-12-2002 Signature and Seal of Professional Surveyor: Original survey conducted and recorded by: Neale C. Edwards Certificate Number: 6857
			24			
			24			
			24			



Energen Resources

SJBR-S19, T32N, R6W

Eul Canyon

San Juan 32-5 Unit #112 ST

San Juan 32-5 #112 ST

Survey: EOW Survey ST02

End of Well Survey

10 July, 2008



Company: Energen Resources
Project: SJBR-S19, T32N, R6W
Site: Eul Canyon
Well: San Juan 32-5 Unit #112 ST
Wellbore: San Juan 32-5 #112 ST
Design: San Juan 32-5 #112 ST

Local Co-ordinate Reference: Well San Juan 32-5 Unit #112 ST
TVD Reference: WELL @ 6420.00ft (AWS #289)
MD Reference: WELL @ 6420.00ft (AWS #289)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project	SJBR-S19, T32N, R6W		
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:	2,170,658.423 ft	Latitude:	36° 57' 35.000 N
From:	Lat/Long	Easting:	1,304,591.889 ft	Longitude:	107° 23' 58.000 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-0.69 °

Well	San Juan 32-5 Unit #112 ST					
Well Position	+N/-S	0.00 ft	Northing:	2,170,658.423 ft	Latitude:	36° 57' 35.000 N
	+E/-W	0.00 ft	Easting:	1,304,591.889 ft	Longitude:	107° 23' 58.000 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,405.00 ft

Wellbore	San Juan 32-5 #112 ST				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	7/10/2008	10.11	63.80	51,225

Design	San Juan 32-5 #112 ST				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	249.10	

Survey Program	Date 7/10/2008				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
215.00	2,800.00	GYRO (San Juan 32-5 #112 ST)	UNKNOWN	Unknown survey	
2,800.00	3,229.00	EOW Survey ST01 (San Juan 32-5 #112 ST)	UNKNOWN	Unknown survey	
3,261.00	5,360.00	EOW Survey ST02 (San Juan 32-5 #112 ST)	UNKNOWN	Unknown survey	

Survey								
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	V. Sec (ft)	
3,229.00	89.08	3.37	3,065.34	268.71	-44.40	0.00	-54.39	
Tie into ST01								
3,261.00	88.99	3.80	3,065.88	300.64	-42.40	1.37	-67.65	
Sidetrack PT for ST02 @3261								
3,293.00	87.93	6.80	3,066.74	332.49	-39.44	9.94	-81.77	
3,324.00	89.08	8.64	3,067.55	363.19	-35.28	7.00	-96.62	
3,356.00	89.87	9.44	3,067.84	394.80	-30.25	3.51	-112.59	
3,387.00	90.75	9.55	3,067.67	425.37	-25.14	2.86	-128.27	
3,418.00	90.84	10.85	3,067.24	455.88	-19.65	4.20	-144.28	
3,450.00	91.19	9.69	3,066.67	487.36	-13.94	3.79	-160.84	

Company: Energen Resources
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Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	V. Sec (ft)
4,861.00	91.19	359.15	3,043.65	1,896.73	5.62	0.84	-681.92
4,892.00	90.22	359.33	3,043.27	1,927.73	5.20	3.18	-692.60
4,924.00	89.87	359.65	3,043.24	1,959.73	4.92	1.48	-703.75
4,954.00	90.13	359.80	3,043.24	1,989.73	4.78	1.00	-714.31
4,986.00	90.84	1.27	3,042.97	2,021.72	5.07	5.10	-726.01
5,017.00	91.45	1.03	3,042.35	2,052.71	5.70	2.11	-737.64
5,048.00	90.57	1.21	3,041.80	2,083.70	6.30	2.90	-749.27
5,080.00	90.13	0.67	3,041.61	2,115.69	6.83	2.18	-761.17
5,111.00	88.81	359.15	3,041.90	2,146.69	6.78	6.49	-772.18
5,142.00	88.99	357.09	3,042.49	2,177.67	5.76	6.67	-782.28
5,173.00	89.87	358.14	3,042.80	2,208.64	4.47	4.42	-792.13
5,205.00	90.31	357.90	3,042.75	2,240.62	3.37	1.57	-802.50
5,236.00	88.55	357.31	3,043.06	2,271.59	2.07	5.99	-812.34
5,267.00	88.72	357.80	3,043.80	2,302.55	0.75	1.67	-822.15
5,360.00	88.72	357.80	3,045.87	2,395.46	-2.82	0.00	-851.97

Straight Line Projection to Bit @ 5360'MD

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,229.00	3,065.34	268.71	-44.40	Tie into ST01
3,261.00	3,065.88	300.64	-42.40	Sidetrack PT for ST02 @3261
5,360.00	3,045.87	2,395.46	-2.82	Straight Line Projection to Bit @ 5360'MD

Checked By: _____ Approved By: _____ Date: _____

