Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

2006 FEB 23 AM 8 13
RECEIVED
070 FARMINGTON NM

5. Lease Serial No.
NMSF 079483 A

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Carson 200S

2. Name of Operator
ENERGEN RESOURCES CORPORATION

9. API Well No.
30-039-27589

3a. Address
2198 Bloomfield Highway, Farmington, NM 87401

3b. Phone No. (*include area code*)
(505) 325-6800

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
745' fnl, 1345' fel at surface (A S7, T30N, R4W)
760' fnl, 760' fwl at bottom (D S7, T30N, R4W)

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	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ 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 recomplete 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 recompletion 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 make the following changes to the Carson #200S:

* Move from the APD approved new well pad site, twin the existing Carson #200 well pad, and directionally/horizontally drill to the drill block window of the Carson #200S.

* Change the surface/bottom hole location from 1820' fnl, 685' fwl to a new surface hole location of 745' fnl, 1345' fel in UL A and new bottom hole location of 760' fnl, 760' fwl in UL D.

* Change the setting depth of the 7" casing string to 3996' (TVD), 4750' (MD) and cement to surface with 650 sks 65/35 lead (1274 cuft) and tail with 125 sks class B (155 cuft).

* Change the uncemented production liner to a 4 1/2" 11.6 ppf J-55 LT&C pre-drilled liner with setting depths of 3981'-3996' (TVD), 4700'-5796' (MD).

Information and indications attached on a revised C-102, Operations Plan, and Directional Drill Plan.

APR 2006
Oil Cons. Div.
Dist. 3

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

Title Drilling Engineer

Date 2/22/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Bill Liess

Title EPS

Date 4/3/06

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 entitle the applicant to conduct operations thereon.

Office FFO

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.

HOLD C104 FOR Directional survey NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
611 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

2006 FEB 23 AM 8 58

RECEIVED
070 FARMINGTON NM

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
	71629	BASIN FRUITLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
	CARSON	200S

[7] OGRID No.	[8] Operator Name	[9] Elevation
162928	ENERGEN RESOURCES CORPORATION	7233'

[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
B	7	30N	4W		745'	NORTH	1345'	EAST	RIO ARRIBA

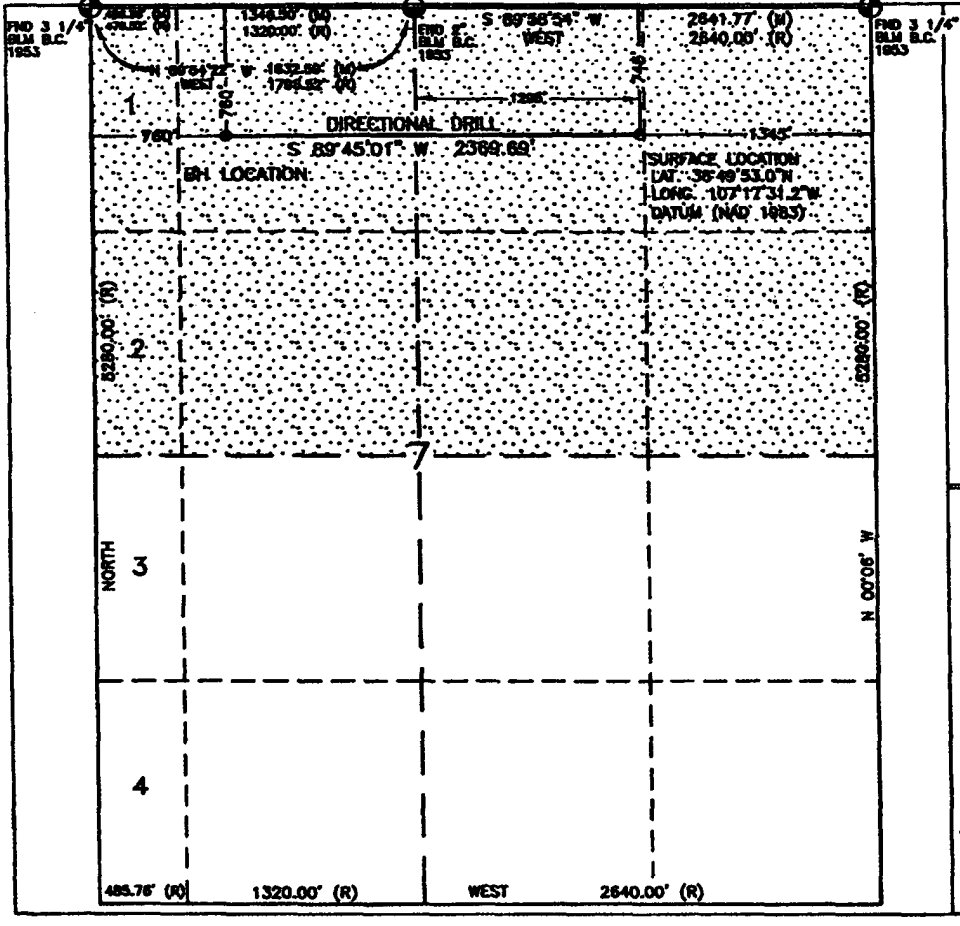
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	7	30N	4W		760'	NORTH	760'	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
271.20 Acres - (N/2)			

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



17 OPERATOR CERTIFICATION

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

Signature

Nathan Smith
Printed Name

Drilling Engineer
Title

2/15/06
Date

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 23, 2005
Date Surveyed

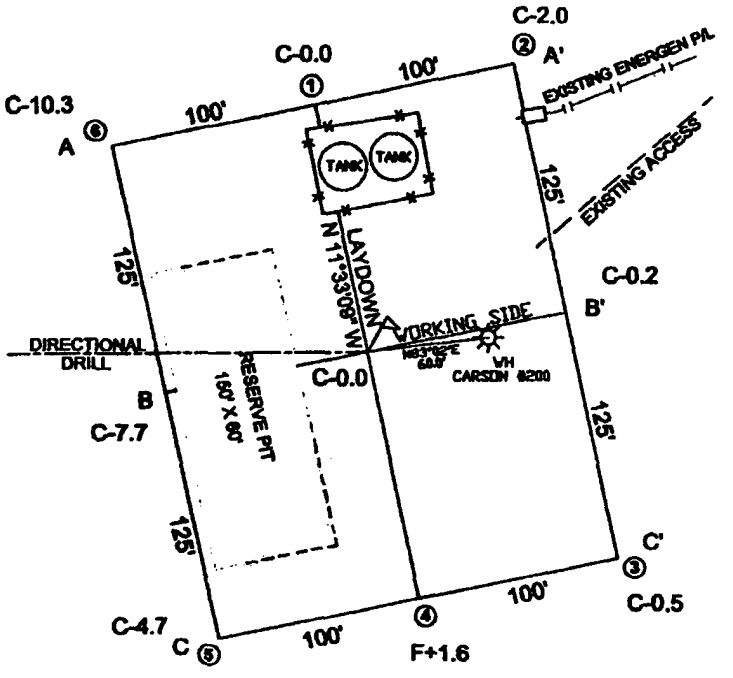
Signature and Seal of Professional Surveyor:

NEW MEXICO

DUANE G. RUSSELL

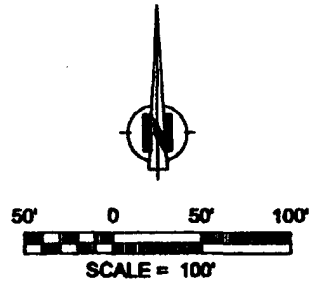
Certificate Number 10201

(1)

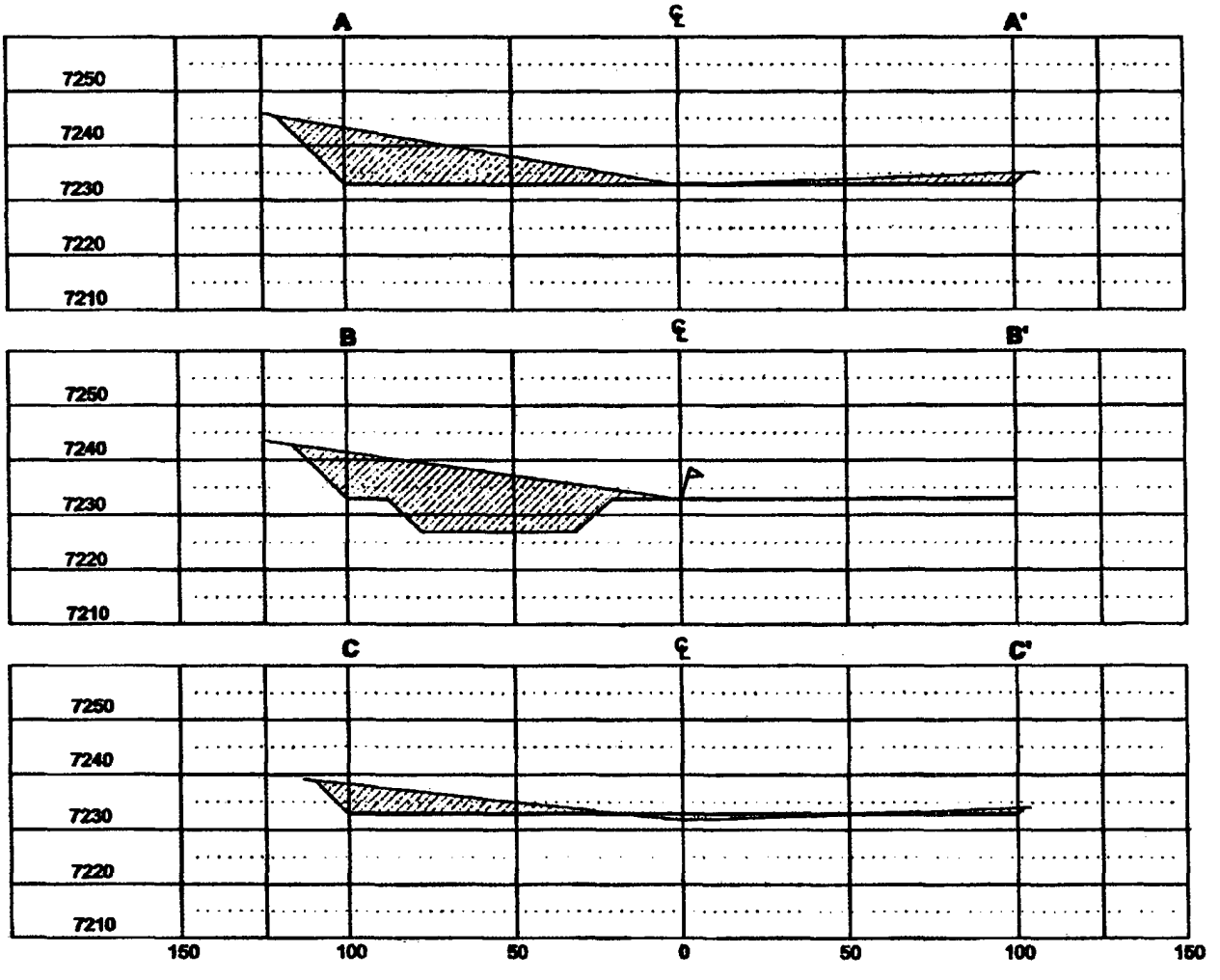


ENERGEN RESOURCES CORPORATION

CARSON #200S
745' FNL & 1345' FEL
LOCATED IN THE NW/4 NE/4 OF SEC. 7,
T30N, R4W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
ELEVATION: 7233', NAVD 88

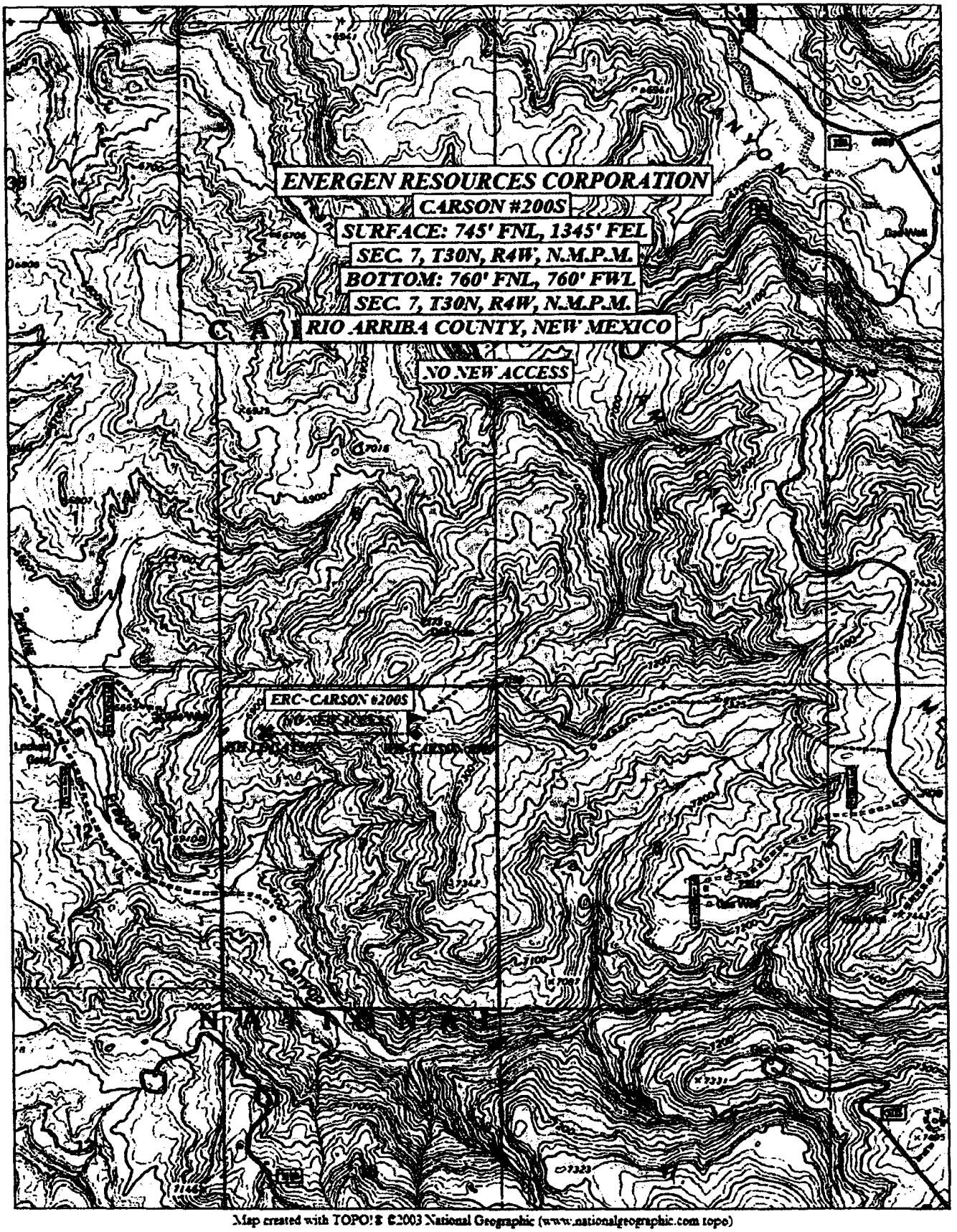


LATITUDE: 36°49'53.0"N
LONGITUDE: 107°17'31.2"W
DATUM: NAD 83



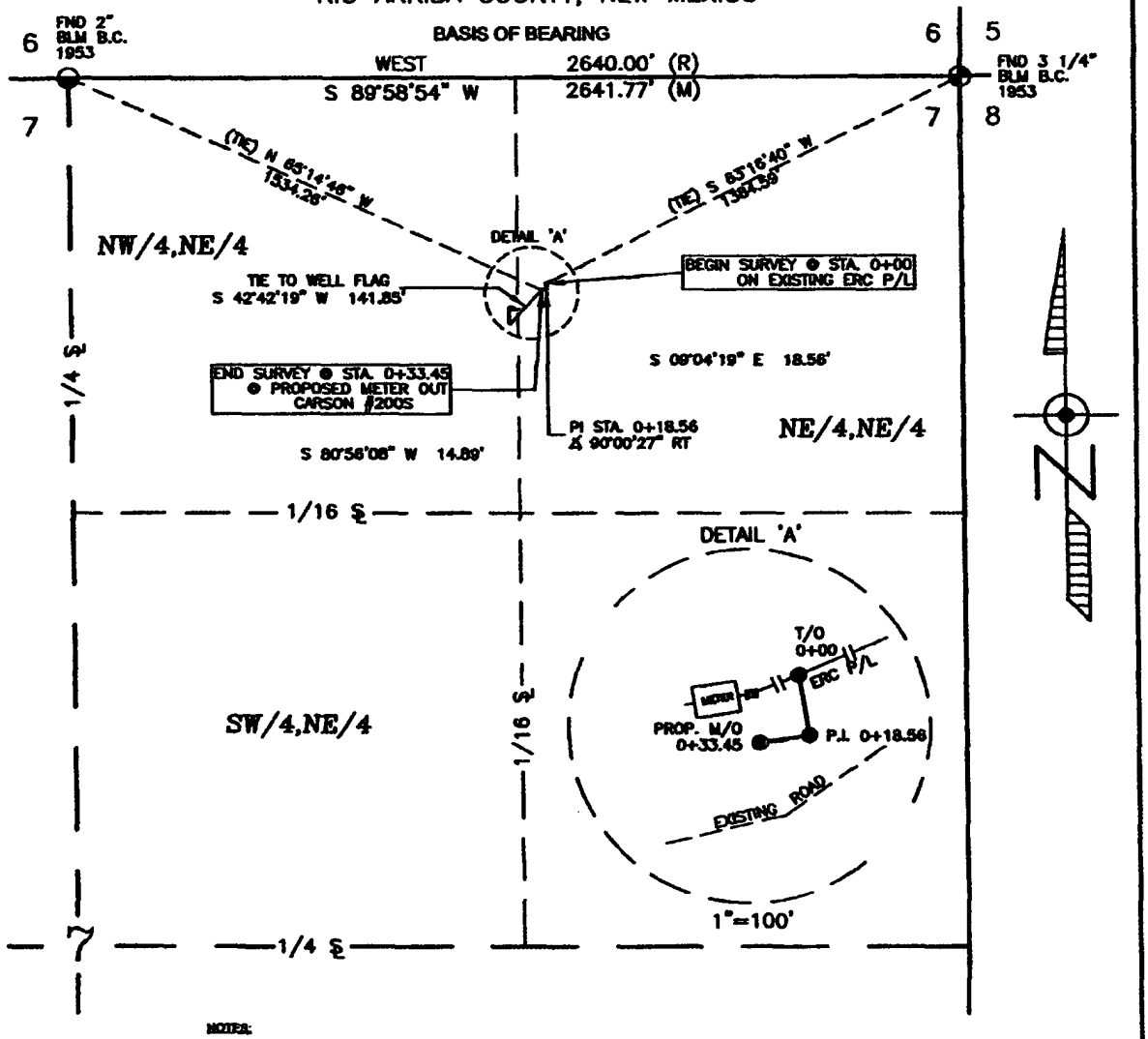
HORIZ. SCALE: 1"=50'
VERT. SCALE: 1"=30'

Russell Surveying
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com topo)

A PROPOSED PIPELINE SURVEY
FOR
ENERGEN RESOURCES CORPORATION
CARSON #200S
LOCATED IN THE
NE/4,NE/4 SECTION 7, T30N, R4W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



NOTES:

1.) BASIS OF BEARING BETWEEN FOUND MONUMENTS AT THE NORTHEAST CORNER AND THE NORTH QUARTER CORNER OF SECTION 7, TOWNSHIP 30 NORTH, RANGE 4 WEST, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO. LINE BEARS S 89°58'54" W A DISTANCE OF 2641.77 FEET AS MEASURED BY G.P.S.

2.) LOCATION OF UNDERGROUND UTILITIES INDICATED ARE APPROXIMATE. PRIOR TO EXCAVATION, UNDERGROUND UTILITIES SHALL BE STAKED OR FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITH NEW MEXICO ONE-CALL NOTIFICATION PROCEDURES PRIOR TO CONSTRUCTION.

~ SURFACE OWNERSHIP ~		
CARSON NATIONAL FOREST		
0+00 TO 0+33.45		
33.45 FT/ 2.03 RODS		
DATE OF SURVEY	11/29/05	JEAN

SCALE IN FEET
0 250 500

I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR, CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

DAVID R. RUSSELL, PLS
NEW MEXICO L.S. #10201

DATE: 12/13/05

Russell Surveying, Inc.
Specializing in Oil field Surveying
1409 W. Aztec Blvd. #5, Aztec, N.M. 87410
Phone (505) 334-8637 Fax (505) 334-8637
REGISTERED LAND SURVEYOR
NEW MEXICO LS #10201

DRAWN BY: R.R. R.O.W. #ERG085 CAD FILE: ERG085P1 DATE: 12/13/05

Drilling Plan

Revised February 22, 2006

Carson #200S

General Information

Location	745' fnl, 1345' fel at surface hole 760 fnl, 760' fwl at bottom hole nwnw S7, T30N, R04W Rio Arriba County, New Mexico
Elevations	7233' GL
Total Depth	3996' (TVD), 5796' (MD)
Formation Objective	Basin Fruitland Coal

Formation Tops

San Jose	Surface
Nacimiento	2060' (TVD)
Ojo Alamo Ss	3360' (TVD), 3400' (MD)
Kirtland Sh	3560' (TVD), 3640' (MD)
Fruitland Fm	3910' (TVD), 4250' (MD)
Top Coal	3981' (TVD), 4490' (MD)
Bottom Coal	3996' (TVD)
Total Depth	**3996' (TVD), 5796' (MD)**
Pictured Cliffs Ss	4040'

Drilling

The 12 ¼" wellbore will be drilled with a fresh water mud system.
The 8 ¾" wellbore will be drilled with a low solids fresh water/polymer mud system. Weighting materials will be drill cuttings and if needed barite. Mud density is expected to range from 8.3 ppg to 8.9 ppg. Kick off point is at 2704' (TVD).
The 6 ¼" wellbore will be drilled with a fresh water or brine water system depending on reservoir characteristics.
Blowout Control Specifications:

A 2000 psi minimum double ram or annulus BOP stack will be used following nipple up of casing head. During air drilling operations, a Shaffer Type 50 or equivalent rotating head will be installed on top of the stack. A 2" nominal, 2000 psi minimum choke manifold will also be used. An upper Kelly Cock valve handle and drill string valve should be available to fit each drill string and be available on the rig floor during drilling operations.

Logging Program:

Open hole logs: MWD gamma ray
Mud logs: From kick off point to TD
Natural Gauges: Surface and/or as needed for directional drilling

Tubulars

Casing, Tubing, & Casing Equipment:

String	Interval	Wellbore	Casing	Csg Wt	Grade
Surface	0'-200'	12 ¼"	9 5/8"	32.3 ppf	H-40 ST&C
Intermediate	200'-3996' (TVD) 4750' (MD)	8 ¾"	7"	23.0 ppf	J-55 LT&C
Production	3981'-3996' (TVD) 4700'-5796' (MD)	6 ¼"	4 ½"	11.6 ppf	J-55 LT&C
Tubing	0'-4650'		2 3/8"	4.7 ppf	J-55

Casing Equipment:

Surface Casing: Depending on wellbore conditions, a Texas Pattern Guide Shoe on bottom. Casing centralization with standard bow spring centralizers to achieve optimal standoff.

Intermediate Casing: Depending on wellbore conditions, a Cement nose guide shoe with self fill insert float collar on top of bottom joint and casing centralization with standard bow spring and rigid centralizers to optimize standoff. Two turbolating centralizers at the base of the Ojo Alamo are recommended.

Wellhead

11" x 9 5/8" 3000 psi Casing Head. 11" x 7 1/16" 3000 psi Christmas Tree.

Cementing

Surface Casing: 125 sks Std (class B) with 1.0 % $CaCl_2$ and ¼ #/sk Flocele (15.6 ppg, 1.18 ft^3/sk 147.5 ft^3 of slurry, 100% excess to circulate to surface). WOC 12 hours. Pressure test surface casing to 600 psi for 30 min.

Intermediate Casing: Before cementing, circulate hole at least 1 ½ hole volumes of mud and reduce funnel viscosity to minimum to aide in hole cleanout. Depending on wellbore conditions, cement may consist of 650 sks 65/35 with 6.0 % Bentonite, 2.0 % $CaCl_2$, 10 #/sk Gilsonite, and ¼ #/sk Flocele (12.3 ppg, 1.96 ft^3/sk) and a tail of 125 sks of Standard (Class B) cement with 5 #/sk Gilsonite, and ¼ #/sk Flocele (15.2 ppg, 1.24 ft^3/sk). (1432 ft^3 of slurry, 100 % excess to circulate to surface). WOC 12 hrs. Test casing to 1200 psi for 30 min.

Liner: NO CEMENT

Other Information

1) This well will be an open hole completion.
2) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control. The intermediate string may need to be cemented in multiple stages with a slurry design deviated from that listed above.
3) If high reservoir pressures or water flows are encountered slurry design may need to be deviated to from those listed above to satisfy wellbore and formation conditions.
4) No abnormal temperatures are anticipated, however reservoir pressures may be 1200 psi.
5) This gas is dedicated.

PATHFINDER
ENERGY SERVICES

Energen Resources Corporation

Rio Arriba, NM
Sec.7 T30N-R4W
CARSON 200S
Wellbore #1

Plan: Plan #1

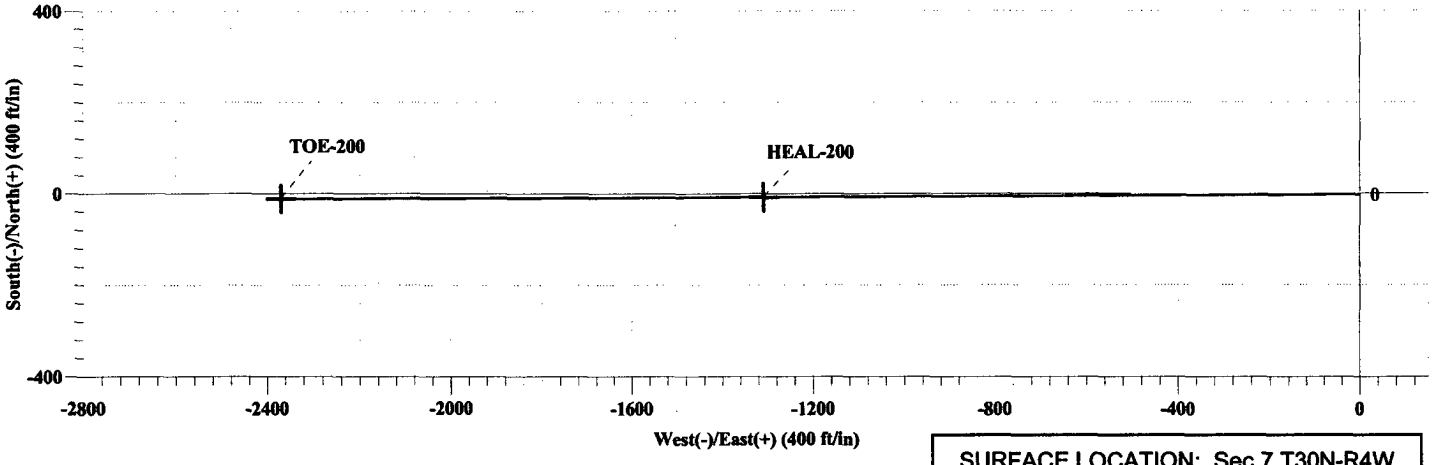
Standard Planning Report

22 February, 2006

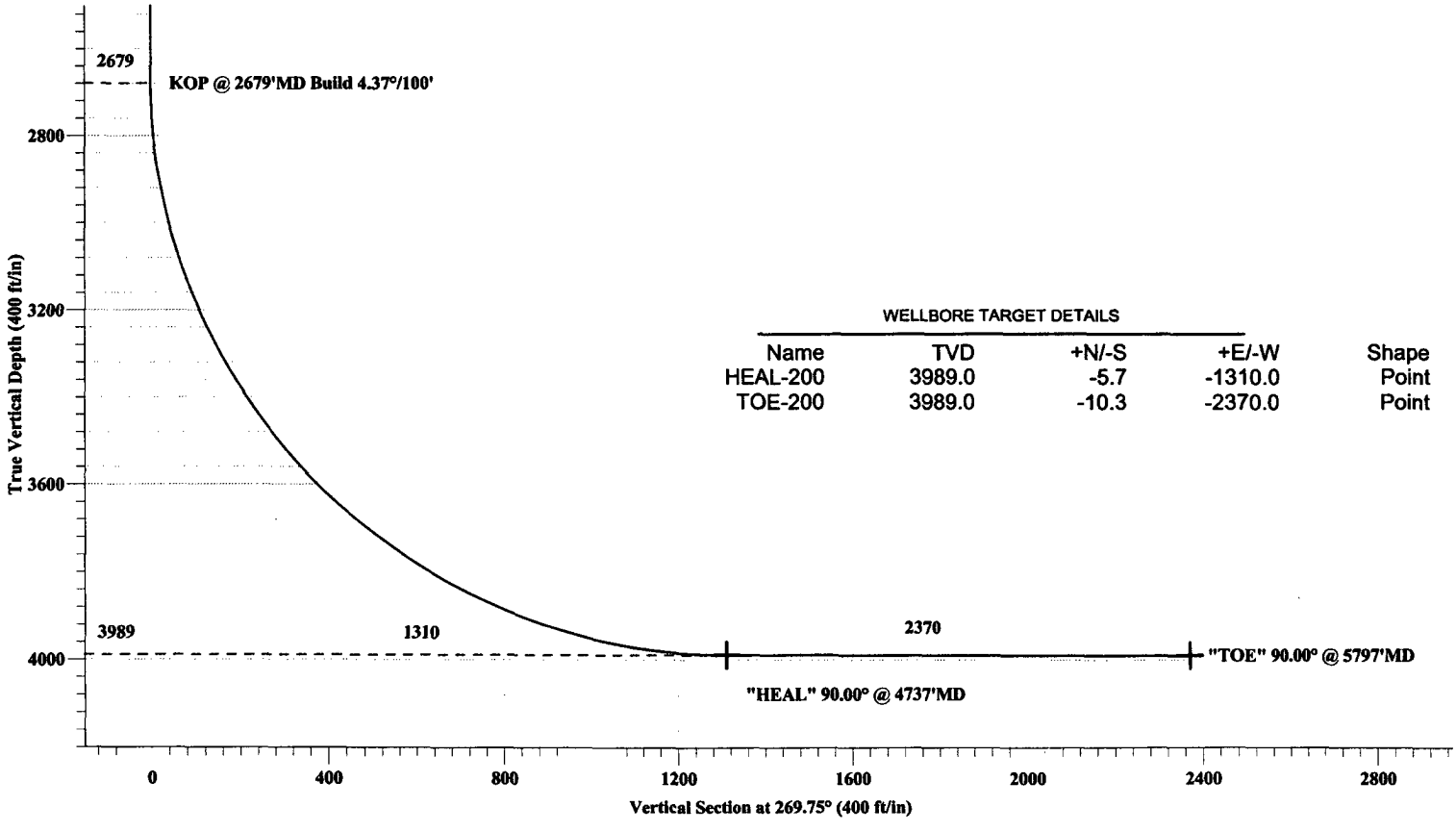
Energen Resources Corp

PATHFINDER ENERGY SERVICES

CARSON 200S
Sec.7 T30N-R4W
Rio Arriba, NM



SURFACE LOCATION: Sec.7 T30N-R4W
745'FNL 1345'FEL



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
HEAL-200	3989.0	-5.7	-1310.0	Point
TOE-200	3989.0	-10.3	-2370.0	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg		VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00		0.0	
2	2679.0	0.00		2679.0	0.0	0.0	0.00		0.0	
3	4736.7	90.00	269.75	3989.0	-5.7	-1310.0	4.37	269.75	1310.0	HEAL-200
4	5796.7	90.00	269.75	3989.0	-10.3	-2370.0	0.00	0.00	2370.0	TOE-200

Plan: Plan #1 (CARSON 200S/Wellbore #1)

Created By: Frank C. Scardino Date: 1/5/2006

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well CARSON 200S
Company:	Energen Resources Corporation	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Project:	Rio Arriba, NM	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec.7 T30N-R4W	**North Reference:**	True
Well:	CARSON 200S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Rio Arriba, NM		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		

Site	Sec.7 T30N-R4W				
Site Position:		**Northing:**	-11,254,725.68 ft	**Latitude:**	
From:	Lat/Long	**Easting:**	81,174,934.82 ft	**Longitude:**	
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.01 °

Well	CARSON 200S						
Well Position	**+N/-S**	0.0 ft	**Northing:**	-11,254,725.68 ft	**Latitude:**	0° 0' 0.000 N	
	+E/-W	0.0 ft	**Easting:**	81,174,934.82 ft	**Longitude:**	1614° 28' 50.676 E	
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	0.0 ft	

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2005	12/31/2004			

Design	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	269.75	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,679.0	0.00	0.00	2,679.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,736.7	90.00	269.75	3,989.0	-5.7	-1,310.0	4.37	4.37	0.00	269.75	HEAL-200
5,796.7	90.00	269.75	3,989.0	-10.3	-2,370.0	0.00	0.00	0.00	0.00	TOE-200

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well CARSON 200S
Company:	Energen Resources Corporation	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Project:	Rio Arriba, NM	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec.7 T30N-R4W	**North Reference:**	True
Well:	CARSON 200S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,679.0	0.00	0.00	2,679.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 2679'MD Build 4.37°/100'									
2,700.0	0.92	269.75	2,700.0	0.0	-0.2	0.2	4.37	4.37	0.00
2,800.0	5.29	269.75	2,799.8	0.0	-5.6	5.6	4.37	4.37	0.00
2,900.0	9.67	269.75	2,899.0	-0.1	-18.6	18.6	4.37	4.37	0.00
3,000.0	14.04	269.75	2,996.8	-0.2	-39.1	39.1	4.37	4.37	0.00
3,100.0	18.41	269.75	3,092.8	-0.3	-67.1	67.1	4.37	4.37	0.00
3,200.0	22.79	269.75	3,186.4	-0.4	-102.2	102.2	4.37	4.37	0.00
3,300.0	27.16	269.75	3,277.0	-0.6	-144.5	144.5	4.37	4.37	0.00
3,400.0	31.53	269.75	3,364.1	-0.8	-193.5	193.5	4.37	4.37	0.00
3,500.0	35.91	269.75	3,447.3	-1.1	-249.0	249.0	4.37	4.37	0.00
3,600.0	40.28	269.75	3,526.0	-1.4	-310.6	310.6	4.37	4.37	0.00
3,700.0	44.66	269.75	3,599.7	-1.6	-378.1	378.1	4.37	4.37	0.00
3,800.0	49.03	269.75	3,668.1	-2.0	-451.1	451.1	4.37	4.37	0.00
3,900.0	53.40	269.75	3,730.7	-2.3	-529.0	529.0	4.37	4.37	0.00
4,000.0	57.78	269.75	3,787.2	-2.7	-611.5	611.5	4.37	4.37	0.00
4,100.0	62.15	269.75	3,837.3	-3.0	-698.0	698.0	4.37	4.37	0.00
4,200.0	66.52	269.75	3,880.6	-3.4	-788.1	788.1	4.37	4.37	0.00
4,300.0	70.90	269.75	3,916.9	-3.8	-881.3	881.3	4.37	4.37	0.00
4,400.0	75.27	269.75	3,946.0	-4.3	-976.9	977.0	4.37	4.37	0.00
4,500.0	79.65	269.75	3,967.7	-4.7	-1,074.5	1,074.5	4.37	4.37	0.00
4,600.0	84.02	269.75	3,981.9	-5.1	-1,173.5	1,173.5	4.37	4.37	0.00
4,700.0	88.39	269.75	3,988.5	-5.6	-1,273.2	1,273.3	4.37	4.37	0.00
4,736.7	90.00	269.75	3,989.0	-5.7	-1,310.0	1,310.0	4.37	4.37	0.00
"HEAL" 90.00° @ 4737'MD - HEAL-200									
4,800.0	90.00	269.75	3,989.0	-6.0	-1,373.2	1,373.3	0.00	0.00	0.00
4,900.0	90.00	269.75	3,989.0	-6.4	-1,473.2	1,473.3	0.00	0.00	0.00
5,000.0	90.00	269.75	3,989.0	-6.9	-1,573.2	1,573.3	0.00	0.00	0.00
5,100.0	90.00	269.75	3,989.0	-7.3	-1,673.2	1,673.3	0.00	0.00	0.00
5,200.0	90.00	269.75	3,989.0	-7.7	-1,773.2	1,773.3	0.00	0.00	0.00
5,300.0	90.00	269.75	3,989.0	-8.2	-1,873.2	1,873.3	0.00	0.00	0.00
5,400.0	90.00	269.75	3,989.0	-8.6	-1,973.2	1,973.3	0.00	0.00	0.00
5,500.0	90.00	269.75	3,989.0	-9.0	-2,073.2	2,073.3	0.00	0.00	0.00
5,600.0	90.00	269.75	3,989.0	-9.5	-2,173.2	2,173.3	0.00	0.00	0.00
5,700.0	90.00	269.75	3,989.0	-9.9	-2,273.2	2,273.3	0.00	0.00	0.00
5,796.7	90.00	269.75	3,989.0	-10.3	-2,370.0	2,370.0	0.00	0.00	0.00
"TOE" 90.00° @ 5797'MD - TOE-200									

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
HEAL-200 - plan hits target - Point	0.00	0.00	3,989.0	-5.7	-1,310.0	-11,253,415.76	81,174,921.03	0° 52' 22.965 S	1614° 28' 45.407 E
TOE-200 - plan hits target - Point	0.00	0.00	3,989.0	-10.3	-2,370.0	-11,252,355.81	81,174,909.88	1° 34' 46.123 S	1614° 28' 41.377 E

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well CARSON 200S
Company:	Energen Resources Corporation	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Project:	Rio Arriba, NM	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec.7 T30N-R4W	**North Reference:**	True
Well:	CARSON 200S	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,679.0	2,679.0	0.0	0.0	KOP @ 2679'MD Build 4.37°/100'
4,736.7	3,989.0	-5.7	-1,310.0	"HEAL" 90.00° @ 4737'MD
5,796.7	3,989.0	-10.3	-2,370.0	"TOE" 90.00° @ 5797'MD