

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work DRILL REENTER
1b. Type of Well Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Energen Resources Corporation
3a. Address **2198 Bloomfield Highway Farmington, New Mexico 87401**
3b. Phone No. (include area code) **(505)325-6800**

4. Location of Well (Report location clearly and in accordance with any State requirements)*
At surface **1820' FNL, 685' FWL**
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
28 miles NE of Gobernador, NM

15. Distance from proposed* location to nearest property or lease line, ft. **685'**
(Also to nearest drg. unit line, if any)
16. No. of Acres in lease **1178.30**

17. Spacing Unit dedicated to this well **N 1/2 269.01**
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **1450'**
19. Proposed Depth **3542'**

20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KDB, RT, GL, etc.) **6782'**
22. Approximate date work will start* **08/04**
23. Estimated duration **6 Days**

5. Lease Serial No.
NMSF 079483 A
6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Lease Name and Well No.
Carson 2005
9. API Well No.
3003927589
10. Field and Pool, or Exploratory
Basin Fruitland Coal
11. Sec., T., R., M., or Blk. and Survey or Area
F-Sec. 07. T30N. R04W. N.M.P.M.
12. County or Parish **Rio Arriba**
13. State **NM**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *[Signature]* Name (Printed/Typed) **Doug Thomas** Date **01/22/04**
Title **Drilling & Completion Foreman**
Approved by (Signature) *[Signature]* Name (Printed/Typed) **APM** Date **8-15-05**
Title **FFO** Office **FFO**

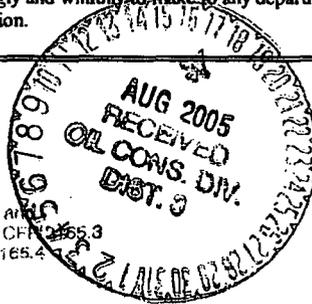
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

*(Instructions on Reverse)

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO PERMITS WITH ATTACHED
"GENERAL REQUIREMENTS".

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4



NMOC

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27589		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 21185	*Property Name CARSON		*Well Number 2005
*OGRID No. 162928	*Operator Name ENERGEN RESOURCES CORPORATION		*Elevation 6782'

¹⁰ Surface Location

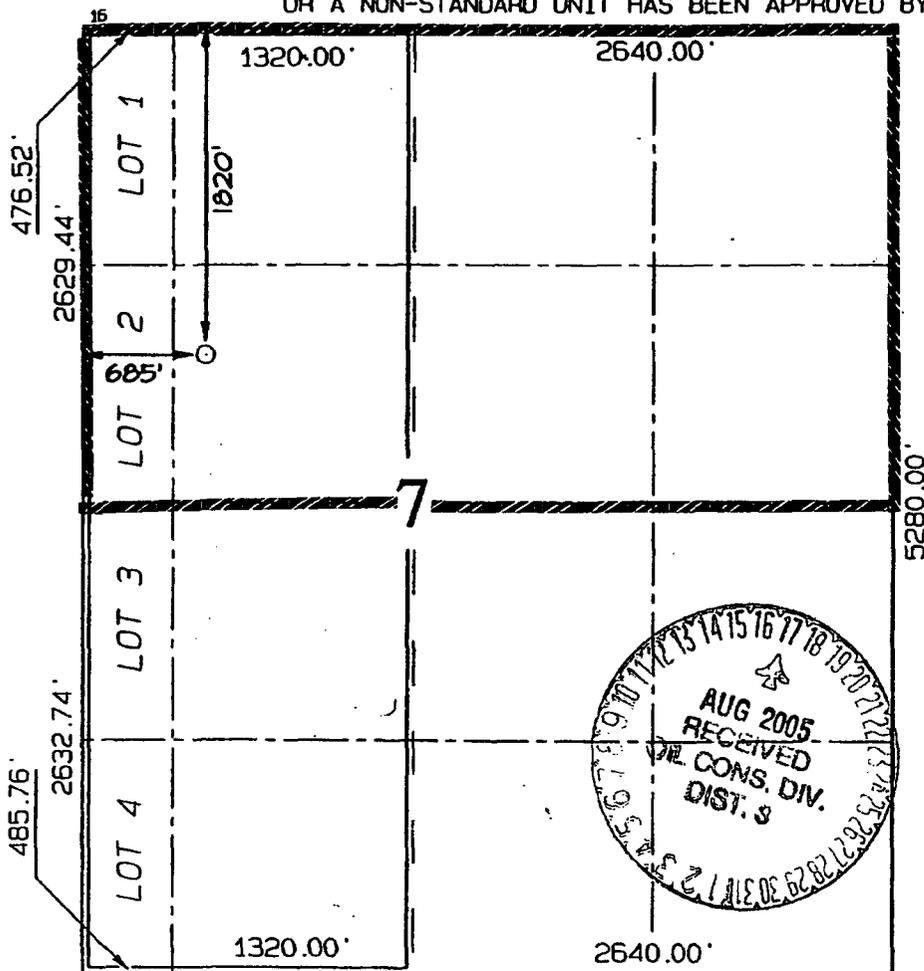
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	7	30N	4W		1820	NORTH	685	WEST	RIO ARRIBA

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

¹² Dedicated Acres 269.01 N 2 248.30 Acres - W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



¹⁷ OPERATOR CERTIFICATION

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

Don Graham
Signature
Don Graham
Printed Name
Production Superintendent
Title
1-15-04
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.

Date of Survey: APRIL 24, 2003

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



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

RECEIVED
070 FARMINGTON
FEB 23 07 06

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF 079483 A
2. Name of Operator ENERGEN RESOURCES CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 2198 Bloomfield Highway, Farmington, NM 87401	3b. Phone No. (include area code) (505) 325-6800	7. If Unit or CA/Agreement, Name and/or No. 12
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' fw1 at bottom (D S7, T30N, R4W)		8. Well Name and No. Carson 200S
		9. API Well No. 30-039-27589
		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

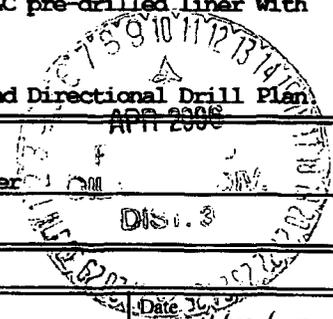
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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' fw1 to a new surface hole location of 745' fnl, 1345' fel in UL A and new bottom hole location of 760' fnl, 760' fw1 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.



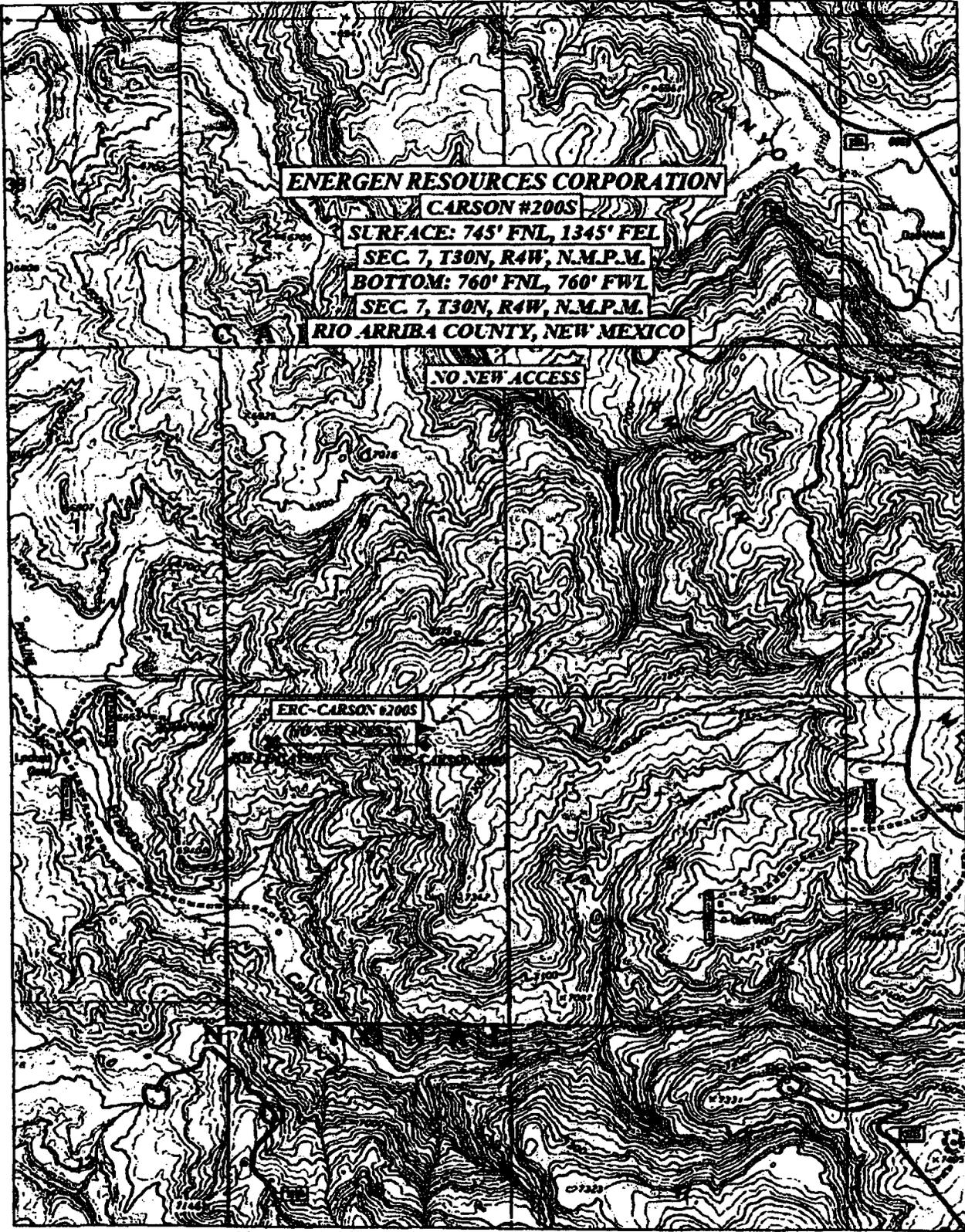
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Nathan Smith	Title Drilling Engineer
	Date 2/22/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Paul Jones</i>	Title EPS	Date 4/10/06
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 COPY FOR Directional survey NMSF00



ENERGEN RESOURCES CORPORATION

CARSON #200S

SURFACE: 745' FNL, 1345' FEL

SEC. 7, T30N, R4W, N.M.P.M.

BOTTOM: 760' FNL, 760' FWL

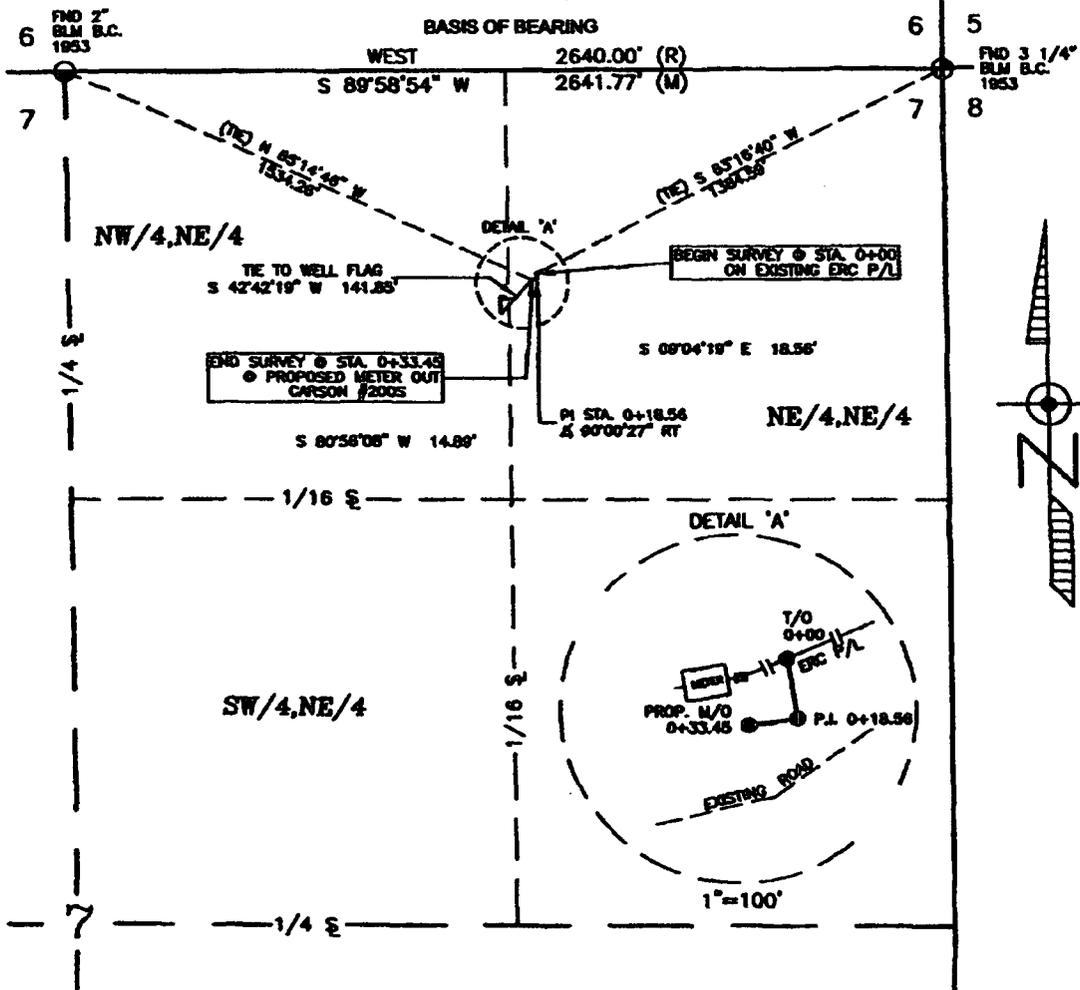
SEC. 7, T30N, R4W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

NO NEW ACCESS

ERC-CARSON #200S

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 POINTS INDICATED AT THE POINT OF BEGINNING OF THE PROPOSED PIPELINE SURVEY IS THE BEARING OF THE SECTION CORNER BEARING S 89°58'54" W. THE BEARING OF THE SECTION CORNER BEARING S 89°58'54" W IS A DISTANCE OF 2641.77 FEET AS REQUIRED BY 67.1.

2) LOCATION OF PROPOSED PIPELINE SURVEY IS A PIPELINE TO BE CONSTRUCTED UNDER THE PROVISIONS OF THE PIPELINE ACT, P.L. 86-520, AND THE REGULATIONS THEREUNDER, AND IS SUBJECT TO THE REGULATIONS OF THE FEDERAL ENERGY REGULATORY COMMISSION.

I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED LAND 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 PLAN MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

David R. Russell
DAVID R. RUSSELL, P.L.S.
NEW MEXICO L.S. #10201



"BUREAU OF LAND MANAGEMENT"	
CARSON NATIONAL FOREST	
0+00 TO 0+33.45	
33.45 FT / 2.03 RODS	
DATE OF BEARING	11/28/05
BY	JLR



Russell Surveying, Inc.
Specializing in Oil field Surveying
1409 W. Aztec Blvd. #5, Aztec, N.M. 87410
Phone (505) 334-8837 Fax (505) 334-8837
REGISTERED LAND SURVEYOR
NEW MEXICO LS #10201

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 1/4" wellbore will be drilled with a fresh water mud system.

The 8 3/4" 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 1/4" 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 ppg	H-40 ST&C
Intermediate	200'-3996' (TVD) 4750' (MD)	8 ¾"	7"	23.0 ppg	J-55 LT&C
Production	3981'-3996' (TVD) 4700'-5796' (MD)	6 ¼"	4 ½"	11.6 ppg	J-55 LT&C
Tubing	0'-4650'		2 3/8"	4.7 ppg	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 % CaCl₂ and ¼ #/sk Flocele (15.6 ppg, 1.18 ft³/sk 147.5 ft³ 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 % CaCl₂, 10 #/sk Gilsonite, and ½ #/sk Flocele (12.3 ppg, 1.96 ft³/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 ft³/sk). (1432 ft³ 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.



Energen Resources Corporation

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

Plan: Plan #1

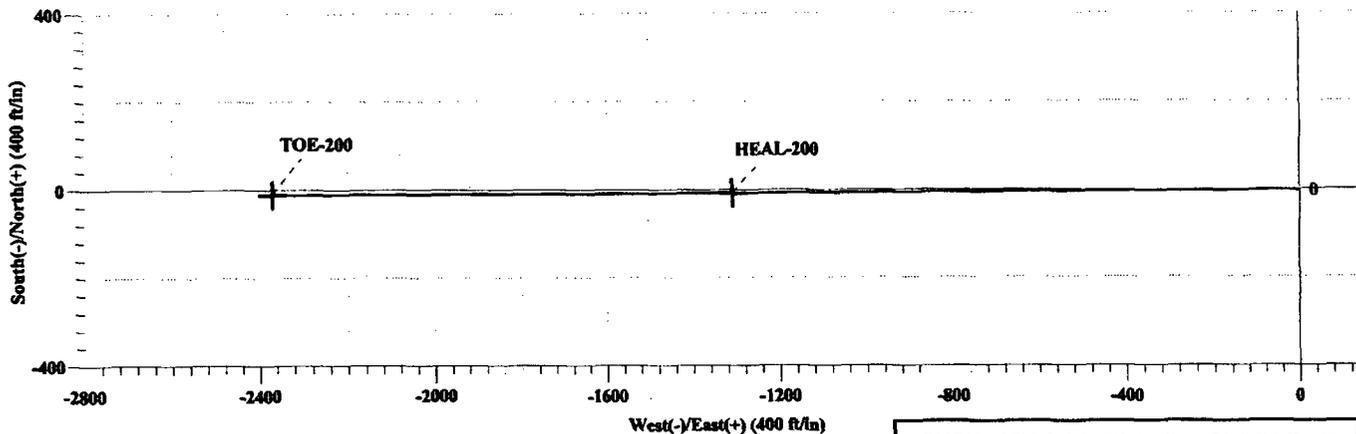
Standard Planning Report

22 February, 2006

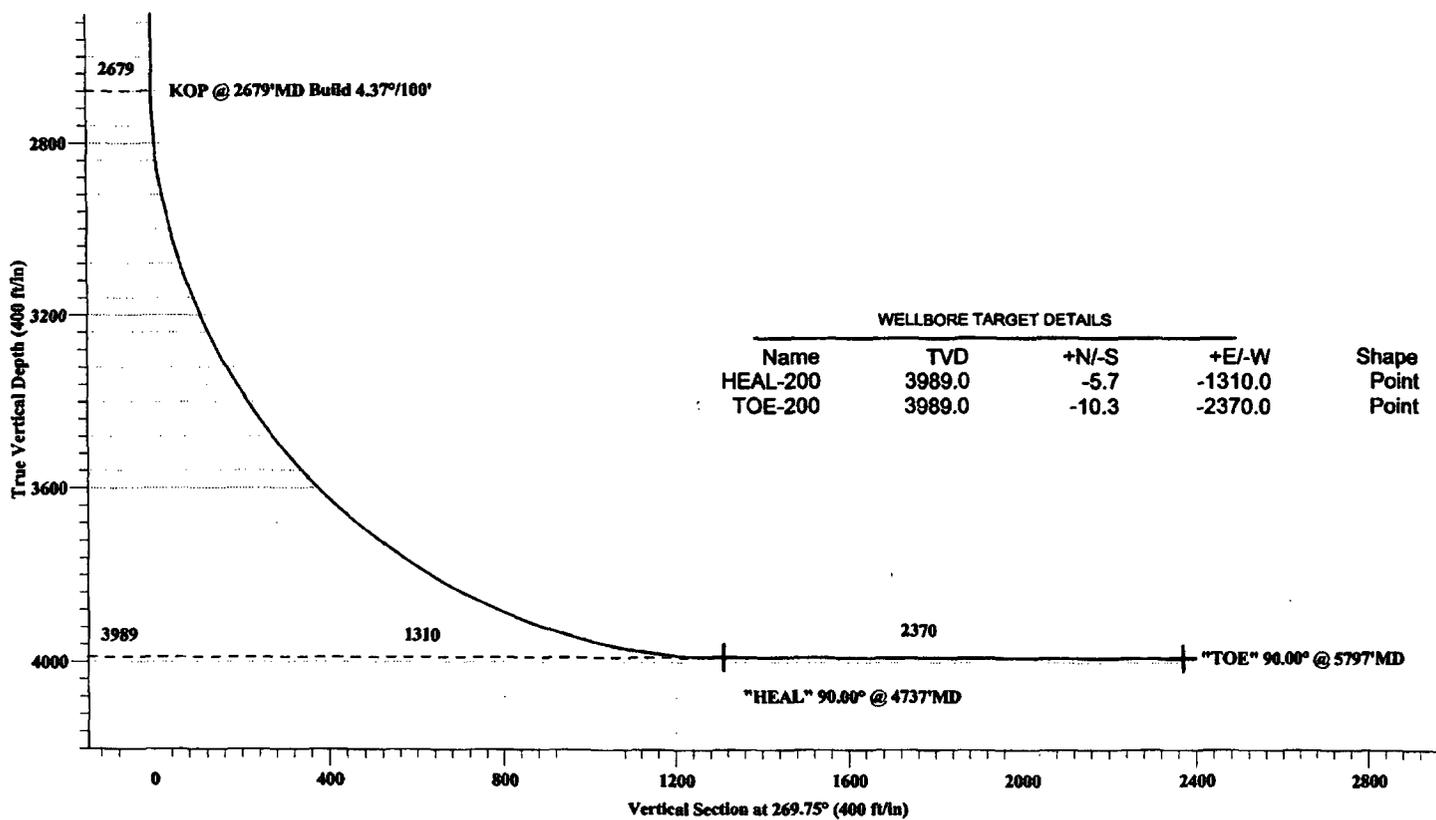
Energen Resources Corp



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	HEAL-200
4	5796.7	90.00	269.75	3989.0	-10.3	-2370.0	0.00	0.00	TOE-200

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

Database: EDM 2003.14 Single User Db
 Company: Energen Resources Corporation
 Project: Rio Arriba, NM
 Site: Sec.7 T30N-R4W
 Well: CARSON 200S
 Wellbore: Wellbore #1
 Design: Plan #1

Local Co-ordinate Reference: Well CARSON 200S
 TVD Reference: WELL @ 0.0ft (Original Well Elev)
 MD Reference: WELL @ 0.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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
From:	Lat/Long	Easting:	81,174,934.82 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	
		Longitude:	
		Grid Convergence:	0.01 °

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

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

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	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
Company: Energen Resources Corporation
Project: Rio Arriba, NM
Site: Sec.7 T30N-R4W
Well: CARSON 200S
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well CARSON 200S
TVD Reference: WELL @ 0.0ft (Original Well Elev)
MD Reference: WELL @ 0.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
HEAL-200 - hit/miss target - Shape - 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
 Company: Energen Resources Corporation
 Project: Rio Arriba, NM
 Site: Sec.7 T30N-R4W
 Well: CARSON 200S
 Wellbore: Wellbore #1
 Design: Plan #1

Local Co-ordinate Reference: Well CARSON 200S
 TVD Reference: WELL @ 0.0ft (Original Well Elev)
 MD Reference: WELL @ 0.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Plan Annotations

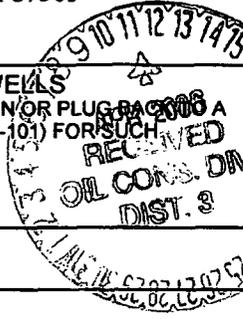
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N-S (ft)	+E-W (ft)	
2,679.0	2,679.0	0.0	0.0	KOP @ 2679MD Build 4.37°/100°
4,736.7	3,989.0	-5.7	-1,310.0	*HEAL° 90.00° @ 4737MD
5,796.7	3,989.0	-10.3	-2,370.0	*TOE° 90.00° @ 5797MD

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
 May 27, 2004

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



WELL API NO. 30-039-27589
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Carson
8. Well Number # 200S
9. OGRID Number 162928
10. Pool name or Wildcat Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator Energen Resources Corporation
3. Address of Operator 2198 Bloomfield Highway, Farmington, NM 87401
4. Well Location Unit Letter <u>A</u> : <u>745</u> feet from the <u>North</u> line and <u>1345</u> feet from the <u>East</u> line Section <u>07</u> Township <u>30N</u> Range <u>04W</u> NMPM County <u>Rio Arriba</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7233' GL
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>
Pit type <u>Drill</u> Depth to Groundwater <u>>100'</u> Distance from nearest fresh water well <u>>1000'</u> Distance from nearest surface water <u>>250'</u>
Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <u>Build drilling pit</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Energen Resources plans to build a lined pit according to "OCD Pit and Below-grade Tank Guidelines", as issued on November 1, 2004. Energen anticipates the submittal of a C-144 for closure of this pit in accordance with ELM and "OCD Pit and Below-grade Tank Guidelines".

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit or an (attached) alternative OCD-approved plan

SIGNATURE Nathan Smith TITLE Drilling Engineer DATE 04/07/06
 E-mail address: nsmi.th@energen.com
 Type or print name Nathan Smith Telephone No. 505.325.6800

For State Use Only
 APPROVED BY Denny Fapp TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE APR 11 2006
 Conditions of Approval, if any:

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.

2006 JUN 12 AM 11 02

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)
**745' ENL, 1345' FEL, Sec.07, T30N, R04W, N.M.P.M.
NE/NE - A**

5. Lease Serial No.
NMSF 079483A

6. If Indian, Allottee or Tribe Name
**070 FARMINGTON NM
Carson # 200S**

9. API Well No.
30-015-27589 30-039-27589

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	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>spud</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.)

06/06/06 Spud @ 2:00 am on 06/06/06. Drill 12.25" hole to 250'. Ran 5 jts. 9.625" 32.3# H-40 ST&C casing, set @ 241'. RU Halliburton. Cement with 150 sks Class G, 1/4#/sk flooele, 2% CaCl2 (177 cu.ft.). Circulate 7 bbbls cement to surface. Plug down @ 3:45 pm on 06/06/06. WOC. RD Halliburton. NU BOP. Test casing & BOP to 600 psi - ok.



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

Vicki Donaghey

Title

Regulatory Analyst

Date

06/09/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date **JUN 13 2006**

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

FARMINGTON FIELD OFFICE

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.

Handwritten initials/signature

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF 079483A
2. Name of Operator ENERGEN RESOURCES CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 2198 Bloomfield Highway, Farmington, NM 87401	3b. Phone No. (include area code) 505-325-6800	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 745' FNL, 1345' FEL, Sec.07, T30N, R04W, N.M.P.M. NE/NE - A		8. Well Name and No. Carson # 200S
		9. API Well No. 30-039-27589
		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	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other <u>set casing</u>

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.)

07/05/06 Run 104 jts. 7" 23# J-55 casing, set @ 4622'. RU Halliburton. Cement with 650 sks 65/35 Class G poz, 6% gel, 2% CaCl2, 10#/sk gilsonite, 1/2#/sk floccle tailed by 125 sks Class G, 1/4#/sk floccle, 5#/sk gilsonite (1430 cu.ft.). Plug down @ 4:15 pm on 07/05/06. Circulate 63 bbls cement to surface. WOC. RD Halliburton. NU BOP. Test casing & BOP to 1200 psi - ok.



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Vicki Donaghey	Title Regulatory Analyst
<i>Vicki Donaghey</i>	Date 07/10/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date JUL 20 2006
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 FARMINGTON FIELD OFFICE	

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.

NMOCDD