

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP 05 2008

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

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 page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

3a. Address

2010 Afton Place, Farmington, NM 87401

3b. Phone No. (include area code)

505.325.6800

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

2015' FSL, 1400' FWL Sec.10, T32N, R05W NMPM
(K) NE/SW

5. Lease Serial No.

NMNM 29341

6. If Indian, Allottee or Tribe Name

RCVD SEP 18 '08
OIL CONS. DIV.

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

DIST. 3

8. Well Name and No.

Carracas Unit 10A # 16

9. API Well No.

30-039-30468

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

- | | | | |
|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input checked="" 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 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.)

Due to an inaccurate pipe tally from rig personnel an excess of 126' was drilled past the original KOP of 2700' on the Carracas 10A #16. Energen Resources would like to spot a 500' cement plug from 1080' to 1580' MD. KOP will change from 2700' to 1280'.

Cement Plug: Consists of 205sx of Class "G" cement mixed @ 16.5 ppg and yield of 1.03 cuft/sk. Total volume will consist of 209 cu. ft.

Intermediate Casing will increase to a measured depth of 5050'. Cement volume will remain unchanged.

Attached is schematic of the plugging parenters and a revised directional plan.

* Verbal Consent from BLM Representative: Jim Lovato - to set plug from 3050' - 2550'.
- No record of authorization given to change plug to 1080' - 1580'. See BLM approved dtd. 9/5/08

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

Jason Kincaid

Title Drilling Engineer

Signature

Date 9/4/2008

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

SEP 15 2008

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

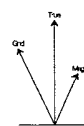
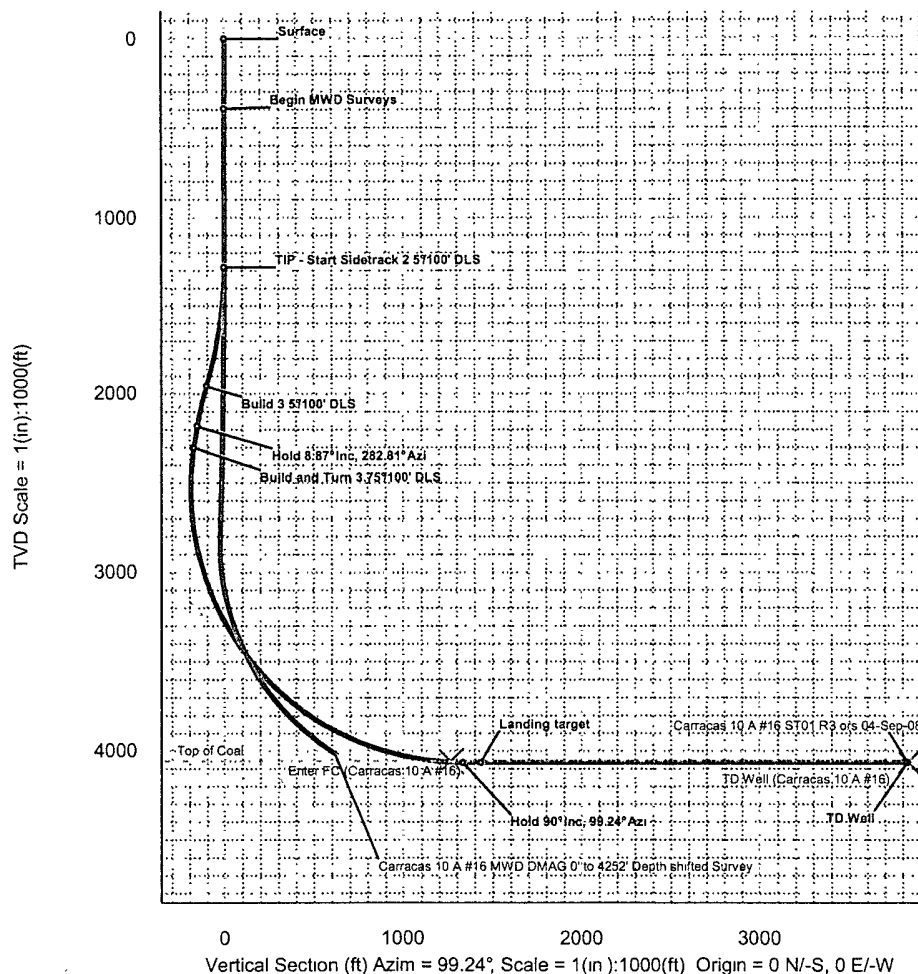
FARMINGTON FIELD OFFICE
BY

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.

NMOCU



WELL Carracas 10 A #16			FIELD NM, Rio Arriba (NAD83)			STRUCTURE Energen 10-32N-05W		
Magnetic Parameters Model BGGM 2008 Dip 53.874° Mag Dec +10.075° Date FS September 05, 2008 51219.8 nT			Surface Location Lat N36 59 35.000 Lon W107 21 14.000 Nothing Easting NAD83 New Mexico State Planes, Central Zone US Feet 2182637.04 NUS 1318042.65 NUS Grid Conv -0.66428317° Scale Fact 1.0000189036			Miscellaneous Sketch Carracas 10 A #16 Plan ST01 R3 ors 04-Sep-08 TVD Ref RKB (7573.00 ft above MSL) Srv Date September 04, 2008		



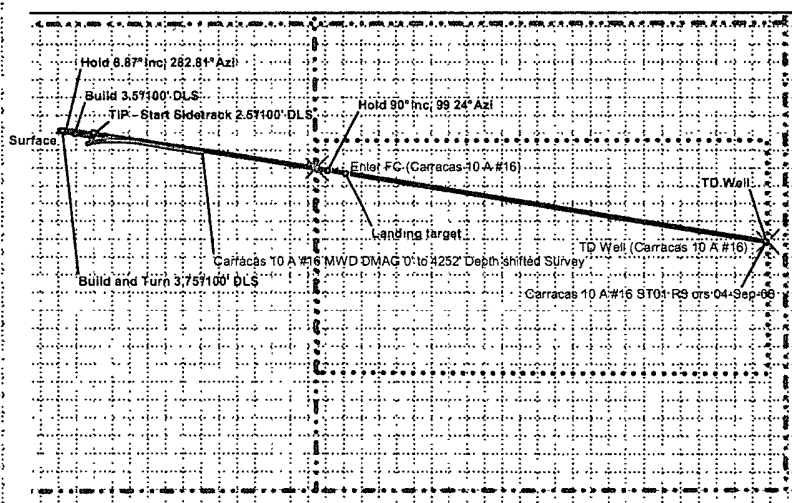
True North
Tot Corr (M->T +10.0750°)
Mag Dec (+10.075°)
Grid Conv (-0.66428317°)



Quality Control
Date Drawn Thu 01 40 PM
September 04, 2008
Drawn by Oswaldo Salazar
Checked by
Client OK

<<< W Scale = 1(in):1000(ft) E >>>

0 1000 2000 3000 4000



<<< S Scale = 1(in):1000(ft) N >>>

0
-1000
-2000

Legend

Proposal

Carracas 10 A #16 ST01 R3 ors 04-Sep-08
Carracas 10 A #16 MWD DMAG 0' to 4252' Depth shifted Survey

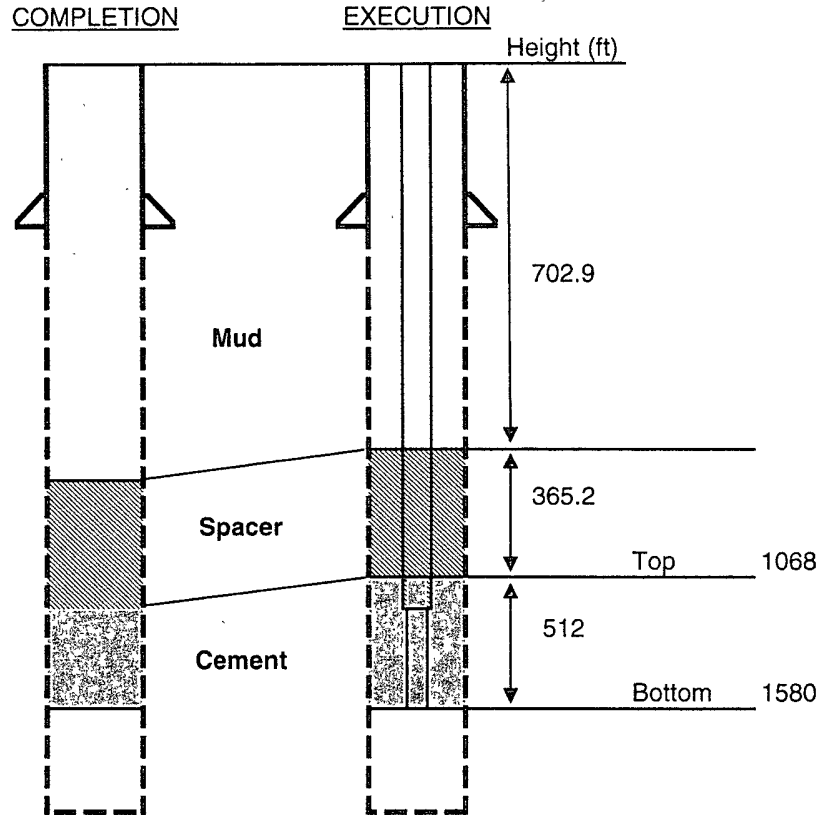
Critical Point	MD	INCL	AZIM	TVD	YSEC	N(+)/S(-)	E(+)/W(-)	DLS
TIP - Start Sidetrack 2.57100' DLS	1281.00	2.46	194.40	1280.83	-2.62	-12.52	-4.69	
Build 3.57100' DLS	1965.17	17.00	282.81	1954.75	-104.52	-4.50	-106.62	2.50
Hold 8.87° Inc, 282.81° Azi	2197.34	8.87	282.81	2180.83	-156.35	7.01	-157.27	3.50
Build and Turn 3.757100' DLS	2319.93	8.87	282.81	2301.96	-175.23	11.21	-175.71	0.00
Top of Coal	4820.65	84.92	99.19	4059.00	1199.17	-192.61	1183.60	3.75
Hold 90° Inc, 99.24° Azi	4956.11	90.00	99.24	4065.00	1334.44	-214.27	1317.13	3.75
Landing target	5056.11	90.00	99.24	4065.00	1434.44	-230.33	1415.83	0.00
TD Well	7451.09	90.00	99.24	4065.00	3829.43	-614.89	3779.74	0.00

Surface Location
Northing 2182637.04 ft Easting 1318042.65 ft

Target Name	Shape	Major Axis	N(+)/S(-)	E(+)/W(-)	TVD	YSec	N(+)/S(-)	E(+)/W(-)
Enter FC (Carracas 10 A #16)	Point	0.00	2182419.91	1319286.41	4059.00	1262.55	-202.69	1246.17
TD Well (Carracas 10 A #16)	Point	0.00	2181978.36	1321815.07	4065.00	3829.43	-614.89	3779.74

ENERGEN

R E S O U R C E S



PARAMETERS	INPUT
Hole Size (in).....	8 3/4
Plug Length (ft).....	500
Cement Type.....	G
Density (ppg).....	16.5
Yield (ft ³ /sk).....	1.03
Spacer Ahead (bbls).....	20
Drillpipe Size (in).....	4 1/2
i.d. (in).....	3.83
length (ft).....	1080
Tubing Size (in).....	2 3/8
i.d. (in).....	1.99
length (ft).....	500

	Annular Factor		Internal Factor	
Drillpipe	0.3075	0.0548	0.0801	0.0143
Tubing	0.3872	0.0690	0.0216	0.0039
	ft ³ /ft	bbl/ft	ft ³ /ft	bbl/ft

CALCULATIONS (Drillpipe Out)

Cement Required	209	ft ³
Sacks of Cement	203	

CALCULATIONS (Drillpipe In)

Height of Cement	512	ft
Volume of Spacer Behind	5.2	bbls
Vol of Mud Behind (To Balance)	10	bbls