

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. RECEIVED -7 AM 6:20

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. NM-09840
2. Name of Operator Energen Resources Corporation		6. If Indian, Allottee or Tribe Name RCVD FEB14 07 OIL CONS. DIV.
3a. Address 2198 Bloomfield Hwy, Farmington, NM 87401	3b. Phone No. (include area code) 505-325-6800	7. If Unit or CA/Agreement, Name and/or No. DIST. 3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2555' fnl, 1700' fel Sec 13 T26N R09W		8. Well Name and No. Tibbar Federal #2E
		9. API Well No. 30-045-34109
		10. Field and Pool, or Exploratory Area Basin Dakota
		11. County or Parish, State San Juan 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 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 change the setting depth of the 9 5/8" surface casing from 200' to 320' and cement with 175 sks of Type V cement.

Energen Resources would like to also change the drilled hole size for the production longstring from a 6 1/4" hole to 7 7/8" and cement the casing with three (3) stages as follows:

Set 1st stage collar @ 4900' and cement with 600 sks of 50/50 Type V cement (13.5 ppg, 1.30 cuft/sk).

Cement 2nd stage with 350 sks 65/35 Type V cement (12.3 ppg, 1.93 cuft/sk) lead and 300 sks 50/50 Type V cement (13.5 ppg, 1.30 cuft/sk) tail.

Set 2nd stage collar @ 2450' and cement 3rd stage with 600 sks 65/35 Type V cement (12.3 ppg, 1.93 cuft/sk) lead and 50 sks Type V neat cement (15.4 ppg, 1.18 cuft/sk) tail.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Nathan Smith	Title Drilling Engineer
	Date 2/6/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy L. Salyers	Title Petroleum Engineer	Date 2/12/2007
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.

NMOC

Operations Plan
Revised February 6, 2007
Tibbar Federal #2E

General Information

Location	2555' fnl, 1700' fel swne S13, T26N, R09W San Juan County, New Mexico
Elevations	6317' GL
Total Depth	6734' (MD)
Formation Objective	Basin Dakota

Formation Tops

Nacimiento	Surface	Menefee Fm	3659'
Ojo Alamo Ss	1234'	Point Lookout Ss	4359'
Kirtland Sh	1339'	Mancos Shale	4704'
Fruitland Fm	1734'	Graneros Shale	6374'
Top Coal	1814'	Dakota "Twowells" Ss	6404'
Bottom Coal	2019'	Dakota "Pagate" Ss	6499'
Pictured Cliffs Ss	2019'	Dakota "Cubero" Ss	6569'
Lewis Shale	2249'	Dakota "Oak Canyon" Ss	6669'
Cliffhouse Ss	3574'	Dakota "Encinal Cyn" Ss	6684'
		Total Depth	6734'

Drilling

The 12 1/4" wellbore will be drilled with a fresh water mud system.
The 7 7/8" wellbore will be drilled with a low solids non-dispersed fresh water mud system. Weighting materials will be drill cuttings. Mud density is expected to range from 8.3 ppg to 8.9 ppg.

Blowout Control Specifications:

A 2000 psi minimum double ram or annulus BOP stack (figure 1) will be used following nipple up of casing head. 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: From Surface to TD – Temp / HRI / CNT, LDT / GR
Surveys: Surface and/or every 500' to TD

Tubulars

Casing, Tubing, & Casing Equipment:

String	Interval	Wellbore	Casing	Csg Wt	Grade
Surface	0'-320'	12 1/4"	9 5/8"	32.3 ppf	H-40 ST&C
Production	0'-6734'	7 7/8"	4 1/2"	11.6 ppf	J-55 LT&C
Tubing	0'-6680'		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.

Production Casing: Depending on wellbore conditions, a cement nose guide shoe on bottom with self fill insert float collar on top of shoe joint and casing centralization with standard bow spring centralizers to optimize standoff. Put first stage collar @ 4900' and second stage collar @ 2450'.

Cementing

Surface Casing: 175 sks Type V cement with 2.0 % CaCl_2 and $\frac{1}{4}$ #/sk Flocele (15.4 ppg, 1.23 ft³/sk 154 ft³ of slurry, 100% excess to circulate to surface). WOC 12 hours. Pressure test surface casing to 1000 psi for 30 min.

Production Casing: Before cementing, circulate hole at least 1 $\frac{1}{2}$ hole volumes of mud and reduce funnel viscosity to minimum to aide in hole cleanup.

First Stage: 600 sks 50/50 Type V with 0.60 % Halad-9, 0.10 % CFR-3, 5 #/sk Gilsonite, and $\frac{1}{4}$ #/sk Flocele (13.5 ppg, 1.30 ft³/sk). Circulate 4 hours at time of plug down.

Second Stage: 350 sks 65/35 Type V with 6.0 % Bentonite, 2.0 % CaCl_2 , 10 #/sk Gilsonite, and $\frac{1}{2}$ #/sk flocele lead (12.3 ppg, 1.93 ft³/sk) followed by 300 sks 50/50 Type V with 0.60 % Halad-9, 0.10 % CFR-3, 1.0 % CaCl_2 , 5 #/sk Gilsonite, and $\frac{1}{4}$ #/sk Flocele tail (13.5 ppg, 1.30 ft³/sk).

Third Stage: 600 sks 65/35 Type V with 6.0 % Bentonite, 2.0 % CaCl_2 , 10 #/sk Gilsonite, and $\frac{1}{2}$ #/sk flocele lead (12.3 ppg, 1.93 ft³/sk) followed by 50 sks Type V with 1.0 % CaCl_2 (15.4 ppg, 1.18 ft³/sk).

Other Information

- 1) This well will be cased and the Basin Dakota fracture stimulated.
- 2) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control. The production string may need to be cemented in multiple stages with a slurry design deviated from that listed above.
- 3) No abnormal temperatures or pressures are anticipated. Anticipated fracture gradient is 0.70 psi/ft.
- 4) This gas is dedicated.