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Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 27 2012

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

Farmington Field

5. Lease Serial No.
N02G_0611-17496. Indian, Allottee or Tribe Name
Navajo Allotment

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 ☐ Other2. Name of Operator
Pro NM Energy, Inc.3a. Address
c/o Walsh Engineering
7415 East Main St, Farmington, NM 874023b. Phone No. (include area code)
505-327-48927. If Unit of CA/Agreement, Name and/or No.
NMNM-1210108. Well Name and No.
Bisti Otero 25 #19. API Well No.
30-045-347314. Location of Well (Footage, Sec., T., R., M., or Survey Description)
980' FNL & 1910' FWL, Section 25, T25N, R11W10. Field and Pool or Exploratory Area
Basin Dakota11. Country or Parish, State
San Juan County, NM

12 CHECK THE 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Pay add - Upper Dakota
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

RCVD FEB 28 '12
OIL CONS. DIV.
DIST. 3

Pro NM Energy, Inc. plans to perforate and fracture stimulate the Upper Dakota Sands in 2 stages as follows:

Set CIBP at 5960' (above existing Dakota perforations).

1st stage: Perforate 5920' - 5932' (4 spf), total of 48 holes. Stimulate with 70,000 lbs of 20/40 premium sand in 70 Quality (nitrogen) xlinked foam.

Set frac plug at ~ 5900'.

2nd stage: Perforate (selectively) from 5882' - 5854' (4 spf), total of 44 holes. Stimulate w/ 66,000 lbs of 20/40 premium sand in 70 Quality (nitrogen) xlinked foam.

Flowback through 1/4" choke, until "closure". Clean out sand and frac plug. Clean out down to CIBP at 5960'. Flow test well. Re-run tubing and land at ~ 5920'. Return well to production.

See attached procedure for details.

Need Location to PS

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

Title Engineer/Agent

Signature

Date 02/21/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

FEB 27 2012

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

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 page 2)

RECD
FV

PRO New Mexico Energy **Workover Procedure** Revised - January 23, 2012

Well	Bisti Otero 25-1	Field:	Basin DK
Location:	Sec. 25, T25N, R11W		Elevation: 6555' GL
	San Juan, New Mexico		

By: John Thompson

Purpose

P&A Lower Dakota. Complete upper Dakota sands

Procedure

Prior to moving in

1. File Sundry notice w/ ~~NMCS~~. *DM*
2. Schedule operations in coordination w/ stimulation company.
3. Check anchors and notify surface owners (if necessary) prior to move in. Move-in, rig up pulling unit and air/foam unit. Move in related surface equipment (Flowback tank, flowlines, BOP equipment.)

P&A Lower Dakota

4. Pressure test tubing/pump prior to TOH w/ rods & pump.
5. ND WH & NU BOP.
6. TOH w/ tubing.
7. PU 5-1/2" casing scraper & TIH to ~ 6000'. TOH & lay down scraper.
8. TIH w/ Cast Iron Bridge Plug. Set CIBP at 5960'. Pressure test plug/casing to 1500 psi - hold pressure for 30 min (record results on chart). If pressure test is OK proceed with upper Dakota stimulation. If not, pick up 5-1/2" casing packer and isolate leak in casing.

Perforate & Frac Upper Dakota

9. ND BOP & remove well head. Install 5K frac valve & RU flowback tank/lines.
10. Perforate Upper Dakota formation at the following depths: 5920' - 5932'. 4 spf, 90° phasing, 12 ft net pay, 48 holes total.

11. Rig up frac crew. Ball off the Dakota with 500 gal of 15% HCl with inhibitor, iron sequestering agent and de-emulsifying surfactant and drop 60 7/8" (1.3 sp.gr.) balls equally during the acid. **Maximum Pressure is 3,800 psi.** Add 2 gal/1000 gal of mutual solvent (CESI Chemical MA-844W or equivalent "wetting agent" to aid in flowback) in the flush water. Run a 4-3/4" junk basket and retrieve or knock off balls.
12. Stimulation Upper Dakota with 70,000# of 20/40 in 70 Quality cross linked gel system. Base fluid will be 2% KCl water, all stages will contain mutual solvent (CESI Chemical MA-844W or equivalent "wetting agent" to aid in flowback).
13. Displace sand to top perforation.
14. RIH & set frac plug at ~ 5900'.
15. Pressure test casing to 3500 psi.
16. Perforate 2nd stage of the Upper Dakota formation at the following depths: 5882' - 5885', 5869' - 5871', 5848' - 5854'. 4 spf, 90° phasing, 11 ft net pay, 44 holes total.
17. Ball off the Dakota with 1000 gal of 15% HCl with inhibitor, iron sequestering agent and de-emulsifying surfactant and drop 120 7/8" (1.3 sp.gr.) balls equally during the acid. **Maximum Pressure is 3,800 psi.** Add 2 gal/1000 gal of mutual solvent (CESI Chemical MA-844W or equivalent "wetting agent" to aid in flowback) in the flush water. Run a 4-3/4" junk basket and retrieve or knock off balls.
18. Stimulation Upper Dakota with 66,000# of 20/40 in 70 Quality cross linked gel system. Base fluid will be 2% KCl water, all stages will contain mutual solvent (CESI Chemical MA-844W or equivalent "wetting agent" to aid in flowback).
19. Rig down stimulation company and open well through 1/4" choke to flowback tank. Allow well to flowback until pressure falls below 100 psi. Bleed off remaining pressure through 2", kill w/ 2% KCl water if necessary.
20. Remove frac valve & install well head. NU BOP.

Clean out after frac

1. Haul in and spot air package.
2. TIH with a 4-3/4" bit on 2-3/8" tubing.
3. Clean out frac sand to the BP at 5941' with air-mist.
Caution: downhole fires caused by air drilling can be probable - monitor mist rates at all times to minimize risk
4. TOH and lay down the bit and bit sub.
5. If well will flow on it's own, RIH w/ rods & then TOH laying down rod string.
6. TIH with an expendable check on the bottom of the 2-3/8" tubing and land the tubing at ~ 5920' KB.
7. Nipple down the BOP and nipple up the wellhead. Pump off the check and blow the well around up the tubing.
8. If well does not flow, land tubing w/ seating nipple below 5932' & re-run pump & rods.
9. Turn well over to production

John C. Thompson
Engineer