

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

FORM APPROVED
OMB NO. 1004-0135
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.

JUN 29 2015

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM04411
2. Name of Operator ENERGEN RESOURCES CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 3510 NORTH "A" STREET BLGS A & B MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No. NMNM91055X
3b. Phone No. (include area code) Ph: 432-688-3323		8. Well Name and No. WLSU 02
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T15S R35E Mer NMP SESE 330FSL 725FEL		9. API Well No. 30-025-31767
		10. Field and Pool, or Exploratory W LOVINGTON
		11. County or Parish, and State LEA COUNTY, 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 checked="" 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 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 site is ready for final inspection.)

ENERGEN RESOURCES SUBMITS APPLICATION TO RE-COMPLETE THE WLSU #2 IN THE WOLFCAMP.

Former well name was Hamilton Federal #2. Recompletion will remove it from the Unit. Well will be renamed back to Hamilton Federal #2 after recompletion.

Recompletion procedure and wellbore schematic attached.

Thank you.

Note attached change, step 3 & 33

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #302119 verified by the BLM Well Information System For ENERGEN RESOURCES CORPORATION, sent to the Hobbs	
Name (Printed/Typed) BRENDA RATHJEN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/18/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>James R. [Signature]</i>	Title <i>SPE</i>	Date <i>6-17-15</i>
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 <i>CFO</i> <i>Ka</i>		

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.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

JUN 29 2015 *dm*

HAMILTON FEDERAL #2 (former WLSU #2)

TOWNSEND, PERMO-PENN, UPPER

Add Wolfcamp Pay & Acid Stimulate

330' FSL & 725' FEL

Section 33, T-15-S, R-35-E

Lea County, New Mexico

API — 30-025-31767

AFE# - PB15100222- \$422M

Spud Date: 10/25/92 KB: 3985.5' TD: 11872'(sidetrack)

Completion Date: 12/01/92 GL: 3970.5' PBTD: 11396' (CIBP)

Well was sidetracked in 2006.

Wellbore has been TA'd since 05/13 with CIBP at 11396'.

Previous Wolfcamp recompletion attempts have seen pressures during acid treatments over 6500 psi.

SAFETY CONSIDERATIONS

- OBSERVE ALL ENERGEN GUIDELINES FOR PPE AND H2S SAFETY.**
- OBSERVE PERFORATION AND STIMULATION CONTRACTOR SAFETY GUIDELINES.**
- WIRELINE AND EXPLOSIVES ON LOCATION WHILE PERFORATING**
- CORROSIVES, PRESSURE AND ROTATING EQUIPMENT ON LOCATION WHILE ACIDIZING**
- CHEMICALS, PRESSURE AND ROTATING EQUIPMENT ON LOCATION WHILE FRAC'ING**
- WORKSTRING SHOULD BE IN GOOD CONDITION AND TESTED TO 8000 PSI.**
- BOP SHOULD BE IN GOOD WORKING CONDITION AND SHOP TESTED**
- RIG ANCHORS SHOULD BE PULL TESTED PRIOR TO MIRU**

1) MIRU Well Service Unit. ND WH. NU 5-1/2", 5K, hydraulic BOP dressed for 2-7/8" PH6. Test to 500 psi above working pressure. Set frac and test tanks.

2) Unload and rack 11500' 2-7/8", PH6 WS. Maintain kill truck w/10 ppg brine on location.

3) PU WS and tally in the hole with bit and scraper for 5-1/2", 17# . Tag PBTD. Circulate hole clean. Test casing to 750 psi. POH.

* Dump Bail 35' Class "H" Cnt on top of CIBP.

4) MIRU WL. RIH w/3-1/8" gun loaded at 90 degree phased 4 JSPF.

Perforate the Wolfcamp Zone 1 as follows: (correlate to BPB DLL/MLL/GR dated 11/21/92)

10,566'-10,568'

2'

9 Holes

5) POH w/WL. RDMO WL.

6) RIH w/5-1/2" treating packer on 2-7/8", PH6 WS to +/-10475'.

7) MIRU Stimulation company to acidize the Wolfcamp Zone 1 down 2-7/8", PH6 WS.

8) RU on the tubing and spot 250 gal of 15% HCl acid to the end of tubing with +/-60 bbl 2% KCl.

9) Set packer at +/-10475'. Pressure annulus to 500 psi.

10) Attempt to breakdown perms w/spot acid. Max pressure – 7000 psi.

11) Continue acidizing w/2750 gal 15% HCl @ best rate.

12) Displace to top perf with +/-62.9 bbl 2% KCl. RDMO Stimulation Company.

13) Swab test Wolfcamp Zone 1 as directed by Engineering

14) Release packer. POH w/packer and 2-7/8", PH6 WS.

- 15) MIRU WL. RIH w/3-1/8" gun loaded at 90 degree phased 4 JSPF.
Perforate the Wolfcamp Zone 2 as follows: (correlate to BPB DLL/MLL/GR dated 11/21/92)

10,335'-10,342'

7'

29 Holes

- 16) POH w/WL. Set 10K RBP at +/-10500'. POH w/WL. RDMO WL.
- 17) RIH w/5-1/2" treating packer on 2-7/8", PH6 WS to +/-10250'.
- 18) MIRU Stimulation company to acidize the Wolfcamp Zone 2 down 2-7/8", PH6 WS.
- 19) RU on the tubing and spot 350 gal of 15% HCl acid to the end of tubing with +/-51 bbl 2% KCl.
- 20) Set packer at +/-10250'. Pressure annulus to 500 psi.
- 21) Attempt to breakdown perms w/spot acid. Max pressure - 7000 psi.
- 22) Continue acidizing w/4650 gal 15% HCl @ best rate. Drop 44 1.3 SG RCNBS evenly after first 750 gal is away.
- 23) Displace to top perf with +/-59 bbl 2% KCl. Surge balls. Allow balls to fall. RDMO Stimulation Company.
- 24) Swab test Wolfcamp Zone 2 as directed by Engineering.
- 25) If well is deemed productive, continue w/Step 26. If not, proceed to plug and abandon with previously approved C-103 from the NMOCD.
- 26) Release packer. Circulate hole clean with +/-240 bbl 2% KCl. POH w/WS.
- 27) Retrieve RBP at +/-10500'. POH, LD WS.
- 28) MI and rack 10,500' 2-7/8", L80 production tubing.

- 29) RIH w/SN and TAC on 2-7/8", L80 production tbg, hydrotesting to 7000 psi. Pump chemical treatment per workover SOP. Set TAC at +/-10250'. ND BOP. (DH configuration will be furnished once rates are determined)
- 30) MI FG/Steel rod string according to Rodstar design. (Rod design will be furnished once rates are determined)
- 31) NU pumping WH. RIH w/pump & rods. Space well out.
- 32) MI and set 640-365-144 pumping unit.
- 33) Hang well on. Load tubing. Confirm pump action. Clean location, RDMO well service unit and place well on production.

upon completion submit form 3160-4

ENERGEN RESOURCES CORP

WLSU #2

(formerly Hamilton Federal Well No. 2)

LEA COUNTY, NM

Conductor:
None

Surface Casing:
13-3/8", 54.5# @ 417'
Cemented w/440 sx
Circ 50 sx

Intermediate Casing:
8-5/8", 32# @ 4610'
Cemented w/1425 sx
Circ 125 sx (2nd stage)

Cut & pull 5-1/2" from 5481'
Whipstock plug - 5190-5480
(10/06)

Sqz w/490 sx @ cut
Casing cut @ 8005' (12/04)
Unable to pull
50 sx plug @ 8062' (10/06)

Initial TOC for Production Casing,
9200'

Cap w/25 sx - TOC - 11116' (10/06)
CIBP @ 11350' (10/06)
CIBP @ 11419' (10/06)
CIBP @ 11500' (10/06)

Strawn Perfs: 11,538-11,580' (2 JSPF)

Production Casing:
5-1/2" 17# @ 11,826'
w/750 sxs

GL Elevation: 3970.5'

KB Elevation: 3985.5'

Location: 330° FSL & 725° FEL

Sec 33-T15S-R35E

Spud: 10/25/92

API: 30-025-31767

