

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

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

Form C-103  
May 27, 2004

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-31830
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Energen Resources Corporation		6. State Oil & Gas Lease No.
3. Address of Operator 3300 N. "A" St., Bldg 4, Ste. 100, Midland, TX 79705		7. Lease Name or Unit Agreement Name: West Lovington Strawn Unit
4. Well Location Unit Letter <u>B</u> : <u>990</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>1</u> Township <u>16S</u> Range <u>35E</u> NMPM County <u>Lea</u>		8. Well Number 5
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3978.3' GR		9. OGRID Number 162928
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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 checked="" type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input 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.

See attached procedure.

RECEIVED

JAN 22 2008

HOBBS OCD

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 Carolyn Larson TITLE Regulatory Analyst DATE 1/17/08

Type or print name Carolyn Larson

E-mail address: clarson@energen.com

Telephone No. 432 684-3693

For State Use Only

APPROVED BY Chris Williams

OCD DISTRICT SUPERVISOR/GENERAL MANAGER  
TITLE \_\_\_\_\_ DATE \_\_\_\_\_

FEB 06 2008

Conditions of Approval, if any:

# **ENERGEN RESOURCES CORPORATION**

## **WLSU #5**

990' FNL X 1980' FEL,  
Sec 35, T-16-S, R-35-E  
Lea, Co. NM

### **West Lovington Field Casing Tie-back Procedure**

Date: July 25, 2007

AFE No: PB09

Cost: \$434,500

WI: 89.97657%

NRI: 73.97791%

TD: 11793'

PBTD: 11742'

KB: 3996'

GL: 3978'

Surface Casing: 13-3/8" 48#/ft, H-40, Set at 407'.  
Cemented w/440 sx class C.  
Cement circulated.

Intermediate Casing: 8-5/8" 32#/ft, K-55 & NS-80 Surf to 4738'  
Cemented w/550 sx 35/65 POZ  
200 sx class C.  
TOC: 2321' calculated ✓

Production Casing: 5-1/2" 17# ,N-80 & S-95 @ 11,793'  
Cemented w/ 775 sx Class "H"  
TOC:7500 calculated

Tbg/Rods/Pump: Laid down and sent for inspection.

Perforations: Strawn: 11,474-11,514' (80 holes at 2 spf)

CIBP @ 11,350'. Dump Bail 2 sx Cmt on top.

## **RECEIVED**

JAN 22 2008

## **HOBBS OCD**

# **ENERGEN RESOURCES CORPORATION**

## **WLSU #5**

990' FNL X 1980' FEL,  
Sec 35, T-16-S, R-35-E

Lea, Co. NM

West Lovington Field

### **Casing Tie-back Procedure**

1. MIRU Pulling Unit.
2. RU Gray Wireline. Run Scientific Gyro-Survey from surface to 11,350' taking shots every 100'.
3. RIH w/open ended tubing. Tag CIBP. Circulate 9# plugging mud from 11415' to 6900'. Spot 30 sk cement plug from 9000'
4. RU wireline. RIH w/GR/CCL log. Run log from 8700' to get on depth with Grey Wireline Multi-Caliper/MTT log run 8/30/07. RIH w/chemical cutter and chemical cut casing at 6950' (Casing collars at 6928' and 6972' MCP/MTT measurements).
5. RU casing jacks
6. RIH w/2-7/8" 4" drill pipe and casing spear. RIH and spear casing. Release casing from slips with casing jacks.
7. Install BOPE with 5-1/2" pipe rams.
8. POOH & LD casing.
9. RIH with 7-7/8" bit, 6-4" drill collars and 2-7/8" N-80 tubing to top of cut off casing. Circulate well with gel sweeps. POOH.
10. RIH w/ Shoe w/ canfield bushing and concave mill, 6-4" drill collars and 2-7/8" N-80 tubing to top of cut off casing and dress off casing stub. Circulate well with gel sweeps. POOH.
11. RU casing crew. RIH with casing bowl assembly, latch-in sub and 5-1/2" 17# N-80 casing. Circulate while going in hole
12. Latch onto casing stub at 6950'.
13. Cement casing per service company recommendation.
14. Set casing in tubing head
15. WOC
16. RIH w/bit, DC's and tubing. Tag cement. Pressure test casing to 1000 psi.
17. Drill out cement, float and cement plug @ 9000'. Pressure test casing to 1000 psi.
18. RIH to CIBP set at 11350'. Drill out CIBP.
19. PU RIH w/ Packer. Set @ 11,350'. Acidized Strawn perms w/ 5000 gals 15% HCl acid w/ recommended additives and 100 ball sealers.
20. Swab test.
21. RWTP w/ acid resistant pump.

**RECEIVED**

JAN 22 2008

**HOBBS OCD**