Submit 3 Copies To Appropriate District Office District I 1625 N. French Dr., Hobbs, NM 87240 District II

Conditions of approval, if

#### State of New Mexico Energy, Minerals and Natural Resources

Form C-103 Revised March 25, 1999

WELL API NO. 30-025-28811 OIL CONSERVATION DIVISION 811 South First, Artesia, NM 87210 5. Indicate Type of Lease 2040 South Pacheco District III STATE FEE X 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505 District IV 6. State Oil & Gas Lease No. 2040 South Pacheco, Santa Fe, NM 87505 004684 SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name: (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.) Snyder "F" 1. Type of Well: Oil Well X Gas Well Other 2. Name of Operator 8. Well No. Energen Resources Corporation 3. Address of Operator 9. Pool name or Wildcat 3300 N. "A" St., Bldg 4, Ste. 100, Midland, TX 79705 Townsend Permo Upper Penn 4. Well Location Unit Letter 1116 North 350 feet from the line and\_ feet from the line Section Township Range 36E **NMPM** County NM 10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3947.9 GR 11. Check Appropriate Box to Indicate, Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK **ALTERING CASING** TEMPORARILY ABANDON **CHANGE PLANS** COMMENCE DRILLING OPNS. PLUG AND **ABANDONMENT** PULL OR ALTER CASING MULTIPLE CASING TEST AND COMPLETION **CEMENT JOB** OTHER: Recompletion  $\square$ OTHER: 12. 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 recompilation. Start approximately 5/1/04 (1) MIRU WSU. Pull rods and pump. NU BOP. Pull tubing. (2) TIH w/tubing bit & scraper to PBD. Circulate hole clean. (3) TIH w/RBP & set @10,550'. Pressure test 5-1/2" csg to 1000 psi for 30 mins. (4) Perf Upper Wolfcamp 10,161-10,474 (75 holes). (5) PU PPI tools and breakdown Wolfcamp perfs using 100 gals acid per foot of perfs. (6) POH & LD PPI tools. TIH w/treating pkr on 2-7/8" tubing and set at 10,050'. Load annulus and pressure to 1000 psi. (7) Stimulate Wolfcamp perfs per the attached. (8) Flow and swab back load and swab test new perfs. Additional stimulation will be designed if it is required. (9) POOH w/pkr, TIH w/retrieving head and recover RBP set at 10,550'. (10) Run production equipment and return well to service. I hereby certify that the information above is true and complete to the best of my knowledge and belief. **SIGNATURE** TITLE Regulatory Analyst Type or print name Carolyn Larson Telephone No. 432-684-3693 (This space for State use) MAY 27 2004 TICLEFIELD REPRESENTATIVE II/STAFF MANAGER

# Completion Procedure Snyder "F" # 2 (Cont.)

# **Major Acid Frac Stimulation**

Fluid	Total	S
13000 gal	of	15% HCL
15000 gal	of	20% SXE
5593gal	of	2% KCL Water

Job Description				
Stage Name	Pump Rate (bbl/min)	Fluid Name	Stage Fluid Volume (gal)	Acid Conc. (%)
Acid	5.0	15% HCL	5000	15.0
SXE	5.0	20% SXE	7500	14.0
Acid	5.0	15% HCL Drop 40 ball sealers at end of stage	3000	15.0
SXE	5.0	20% SXE	7500	14.0
Acid	5.0	15% HCL	5000	15.0
Overflush	5.0	2% KCL Water	3000	0.0
Flush	5.0	2% KCL Water	2592	0.0

## **Fluid Descriptions**

### 2% KCL Water

•	M117, POTASSIUM CHLORIDE	166.01 lb/mgal
•	F803,TRIFUNC ADDITIVE 380	2.00 gal/mgal

#### HCL 15%

•	H15, 15% HCI	1000.00 gal/mgal
•	L58, IRON CONTROL AGENT	10.00 lb/mgal
•	A264, CORROSION INHIBITOR	2.00 gal/mgal
•	U42, CHELATING AGENT	5.00 gal/mgal
•	F103, SURFACTANT	2.00 gal/mgal
•	W54, NONEMULSIFYING AGENT	2.00 gal/mgal
•	U66, FREFLO EB MISCIBLE SOL	10.00 gal/mgal

#### **SXE 20%**

•	H20, 20% HCl	700.00 gal/mgal
•	U80, EMULSIFYING AGENT	10.00 gal/mgal
•	L58, IRON CONTROL AGENT	10.00 lb/mgal
•	A264, CORROSION INHIBITOR	2.00 gal/mgal
•	U42, CHELATING AGENT	5.00 gal/mgal
•	F103, SURFACTANT	2.00 gal/mgal