### SUBMIT IN TRIPLICATE\*

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

OR DEEPEN  GGLE MICLTIPI  20NE  303) 290-870  000, Co. 801  Late requirements:  0-0 2001  of ACRES IN LEASE  4,560  POSSED DEPTH  6,470'  ed  CEMENTING PROGRAM  SETTING DEPTH  320 160  6,470'	SCOTT Fed. 27-11-23-1000  9 AR WELL NO 20-45 20 8 7 2 12 10 FIELD ABASIN OR DUKKOTA  11. SEC., T., R., M., OR BCK AND SURVEY OR AREA  123-27n-11w NMPN  12 COUNTY OR PARISH 13 STATE San Juan  17. NO. OF ACRES ASSIGNED TO THIS WELL  20. ROTARY OR CABLE TOOLS  ROTARY  22 APPROX. DATE WARK WILL  22 APPROX. DATE WARK WILL  22 APPROX. DATE WARK WILL  23 APPROX. DATE WARK WILL  24 APPROX. DATE WARK WILL  25 APPROX. DATE WARK WILL  26 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  28 APPROX. DATE WARK WILL  29 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  21 APPROX. DATE WARK WILL  22 APPROX. DATE WARK WILL  23 APPROX. DATE WARK WILL  24 APPROX. DATE WARK WILL  25 APPROX. DATE WARK WILL  26 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  28 APPROX. DATE WARK WILL  29 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  21 APPROX. DATE WARK WILL  22 APPROX. DATE WARK WILL  23 APPROX. DATE WARK WILL  24 APPROX. DATE WARK WILL  25 APPROX. DATE WARK WILL  26 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  28 APPROX. DATE WARK WILL  29 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  21 APPROX. DATE WARK WILL  22 APPROX. DATE WARK WILL  23 APPROX. DATE WARK WILL  24 APPROX. DATE WARK WILL  25 APPROX. DATE WARK WILL  26 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  28 APPROX. DATE WARK WILL  27 APPROX. DATE WARK WILL  28 APPROX. DATE WARK WILL  29 APPROX. DATE WARK WILL  29 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  20 APPROX. DATE WARK WILL  21 APPROX. DATE WARK WILL  22 APPROX. DATE WARK WILL  23 APPROX. DATE WARK WILL  24 APPROX. DATE WARK WILL  25 APPROX. DATE WARK WILL
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# State of New Mexico Energy, Minerals & Natural Resources Department

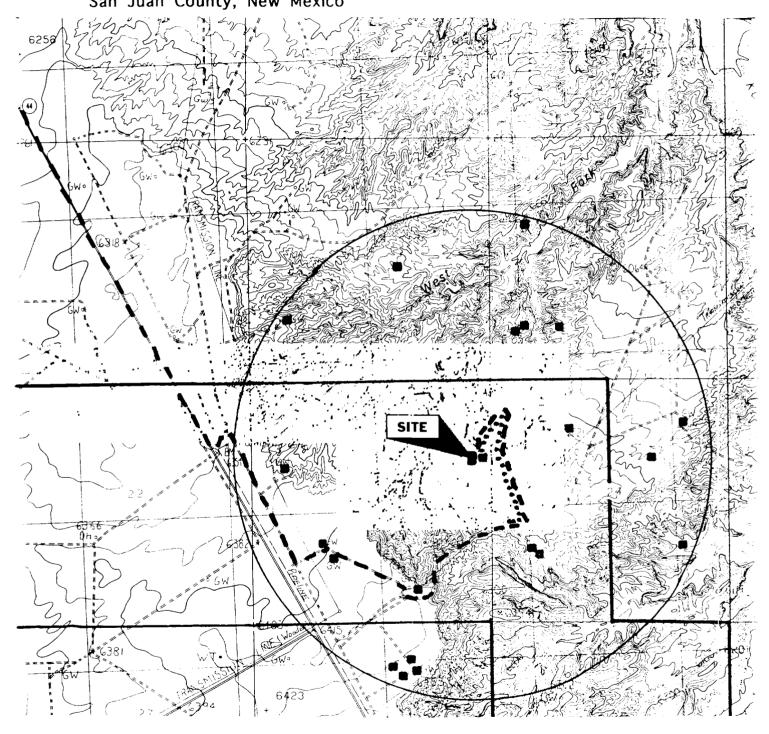
Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

Submit to Appropriate District Office

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 8	7410	OIL CO	NSERVA 2040 Sou Santa Fe	th Pa				٥	Fee Lea	se – 4 Copie se – 3 Copie	
DISTRICT IV 2040 South Pacheco, Santa Fe, Nu	87505		Danta re	, 1481	07303				AMEN	DED REPORT	
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29140 SCOTT FEDERAL 27-11-23								Han 1			
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<sup>10</sup> Surface Location											
UL or lot no. Section Town		Lot Idn	Feet from t		North/South line	Peel	from the	East/W	est line	County	
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			S 0 2.7	00-01 : CHAINS	WITNESS CO FD 2 1/2 G.L.O.	RNER 2 BC	I hereby cert( was plotted fr	fy that the rom field n my supervi	well location otes of actua	TIFICATION  shown on this plat is surveys made by at the same is true	
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MarkWest Resources, Inc. Scott Federal 27-11 23-1 Surface: 1645' FNL & 360' FEL Sec. 23, T. 27 N., R. 11 W. San Juan County, New Mexico



PROPOSED WELL:

EXISTING WELL:

LEASE:

PROPOSED GAS LINE: •••

EXISTING ROAD: ———



MarkWest Resources, Inc. Scott Federal 27-11 23-1

Surface: 1645' FNL & 360' FEL

Sec. 23, T. 27 N., R. 11 W. San Juan County, New Mexico

#### 3. PRESSURE CONTROL

Maximum expected pressure is  $\approx 1,000$  psi. The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. A typical 11" 3,000 psi model is on PAGE 3.

BOP equipment and all accessories will meet or exceed BLM requirements in 43 CFR Part 3160 for a 3,000 psi system. A 3,000 psi double ram hydraulic BOP will be used. Accumulator system capacity will be sufficient to close all BOPE with a 50% safety factor. Fill, kill, and choke manifold lines will be 2". Accessories will include upper and lower Kelly cocks with handles, stabbing valve to fit drill pipe on floor at all times, string float at bit, 3,000 psi choke manifold with 2" adjustable and 2" positive chokes, and pressure gauge. BOPs will be tested every 24 hours. Tests will be recorded on IADC log.

#### 4. CASING & CEMENT

<u> Hole Size</u>	<u>O.D.</u>	Weight (lb/ft)	<u>Grade</u>	<u>Age</u>	Connection	GL Setting Depth
12-1/4"	8-5/8"	24	K-55	New	ST&C	<i>₹</i> <b>%</b> 6,470'
7-7/8"	4-1/2"	11.6	N-80	New	ST&C	6,470'

Surface casing will be cemented to the surface with  $\approx 148$  cu. ft. ( $\approx 100$  sx) Class B + 1/4 lb/sk cello-flake + 2% CaCl<sub>2</sub>. Yield = 148 cu. ft./sk. Weight = 15.2 lb/gal. Volume = 100% excess. A guide shoe and insert float will be used. WOC =12 hours. Surface casing will be tested to 1,500 psi for 30 minutes.

Production casing will be cemented to the surface. Volumes are calculated at 28% excess. If cement does not circulate to surface, then a temperature survey will be run to determine the actual cement top as needed. WOC = 12 hours. Test to 2,000 psi.



Form 3160-5

## **UNITED STATES**

FORM APPROVED OMB No. 1004-0135

(August 1999) DEPARTMENT OF THE INTERIOR Expires November 30, 2000 **BUREAU OF LAND MANAGEMENT** Lease Serial No. NMSF-078089 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. If Indian, Allottee or Tribe Name N/A If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE Other Instructions on reverse side Type of Well 🗖 Oil Well 🖫 Gas Well 📮 Other SCOTT FED: 27-11 Name of Operator MARKWEST RESOURCES, INC. 155 INVERNESS DRV. W, #200 30-045-3b. Phone No. finclude area code) 290-8700 (303)ENGLEWOOD. CO. 80112 10. Field and Pool, or Exploratory Area Location of Well (Footage, Sec., T., R., M., or Survey Description) BASIN DAKOTA 11. County or Parish, State 1645' FNL & 360' FEL 22-27n-11w SAN JUAN, NM 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Acidize Deepen Production (Start/Resume) Water Shut-Off Notice of Intent Alter Casing Fracture Treat Reclamation Well Integrity Casing Repair New Construction Recomplete Other ☐ Subsequent Report Change Plans Plug and Abandon Temporarily Abandon ☐ Final Abandonment Notice Convert to Injection Plug Back ■ Water Disposal 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.) Will double surface casing length (from 160' to 320') and double cement volume (from 118 cubic feet to 236 cubic feet). 14. Thereby certify that the foregoing is true and correct Name (Printed/Typed) (505)466-8120 CONSULTANT BRIAN WOOD Title Signature 12-12-01 cc: BLM (&OCD), Pippin, Stowe Date THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by 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. 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.