

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED

Form C-101
Revised 1-1-89

DEC 10 1993

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)
30-015-27398
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LH-2460

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL <input type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>	7. Lease Name or Unit Agreement Name Pogo 36 State
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Well No. 1
2. Name of Operator Southwest Royalties, Inc.	9. Pool name or Wildcat Undesignated Delaware
3. Address of Operator P.O. Box 11390, Midland, Texas 79702	
4. Well Location Unit Letter L : 2310 Feet From The South Line and 330 Feet From The West Line Section 36 Township 25-S Range 29-E NMPM Eddy County	

10. Proposed Depth TD: 5690' / PBD: 5360'	11. Formation Getty (Delaware)	12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 3037.5' GR	14. Kind & Status Plug Bond Blanket	15. Drilling Contractor L & M Drilling	16. Approx. Date Work will start 12-18-93

17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	54.50 #	563'	595 sx	Surface
11"	8-5/8"	24 # & 32 #	3234'	960 sx	1180'
7-7/8"	5-1/2"	15.5 #	5971'	886 sx - 2 stage	3000'

DV @ 5110'

Plug back to convert to SWD well. Present productive zone is Getty (Delaware) from 5420' - 5690'. Proposed SWD interval is Cherry Canyon formation from 4176' - 4826'. Propose to set CIBP @ 5380' and cap with 20' cement. A CBL will be run to verify TOC above 3776' as required by Administrative Order SWD-541. Cherry Canyon will be selectively perforated from 4176' - 4826' and acidized with 7-1/2% NEFE HCL. Packer will be set at approximately 4100' and injection will be through 2-7/8" plastic-lined tubing.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ann E. Ritchie TITLE Regulatory Agent DATE 12-7-93
686-9927
TYPE OR PRINT NAME Ann E. Ritchie (915) TELEPHONE NO. 684-6381

(This space for State Use)

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE DEC 20 1993
CONDITIONS OF APPROVAL, IF ANY: