

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address. Energen Resources Corporation 3300 N. A St, Bldg 4, Ste 100 Midland, TX 79705		² OGRID Number 162928
⁴ Property Code 27820	³ Property Name West Lovington Strawn Unit	⁵ API Number 30-025-35586
		⁶ Well No. 20

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	34	15S	35E		1980	N	1980	W	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

⁹ Proposed Pool 1 Lovington, Strawn, West (#40875)	¹⁰ Proposed Pool 2
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¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code PS	¹⁵ Ground Level Elevation 3964'
¹⁶ Multiple No	¹⁷ Proposed Depth 11,900'	¹⁸ Formation Strawn	¹⁹ Contractor Unknown	²⁰ Spud Date

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	400'	450	Surface
11"	8 5/8"	32#	4,800'	1,200	Surface
7 7/8"	5 1/2"	17# & 20#	11,900'	600	9,000'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Plan to drill a 17 1/2" hole to 400', run 13 3/8" H-40 48# ST&C casing, & cement to surface. Install a 13 3/8" SOW wellhead, NU a 11" x 5M# hydraulic double ram BOP, & a 11" x 5M# annular BOP w/ a 4" x 5M# choke manifold. Drill a 11" hole to 4,800', run 8 5/8" K-55 32# ST&C casing & cement to surface. NU & test the same BOP stack & drill a 7 7/8" hole to approximately 11,900'. If productive, run 5 1/2" L-80 17# & 20# LT&C casing & cement back to approximately 9,000' FS. If non-productive, initial P&A as per the OCD's requirements.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Denise Menoud</i>		OIL CONSERVATION DIVISION	
Printed name: Denise Menoud		Approved by:	
Title: Prod. Tech.		Title:	
6/5/01		Approval Date:	Expiration Date:

SP