

DORCHESTER MINERALS OPERATING L P

3838 OAK LAWN AVENUE, SUITE 300

DALLAS, TEXAS 75219-4541

TELEPHONE 214-559-0300

TELECOPY 214-559-0301

Via Certified Mail – Return Receipt Requested

October 31, 2005

LCX Energy, LLC
110 N. Marienfeld, Suite 200
Midland, Texas 79701

RE: AFE No. LCXD5023
1725 Fed Com #61
Section 6, T17S-R25E
Eddy County, New Mexico
DMLP File No. 31-015-001-00

Gentlemen:

Dorchester Minerals Operating LP (Dorchester) elects to participate with 25% of its unleased mineral interest in the drilling of the captioned well for an estimated total interest of 1.5625% of 100% working interest in the well.

We enclose one (1) original executed AFE, check number 8035 in the amount of \$15,682.81, and a copy of our Well Information Requirements. Dorchester elects to be covered by LCX Energy's well control insurance.

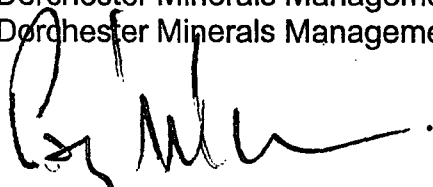
Thank you for your assistance in this matter.

Very truly yours,

DORCHESTER MINERALS OPERATING LP

By: Dorchester Minerals Management LP, its General Partner

By: Dorchester Minerals Management GP LLC, its General Partner



By: William Casey McManemin
Chief Executive Officer

Enclosures

NMOCD CASE NO. 13628
MARCH 2, 2006
LCX ENERGY, LLC
EXHIBIT NO. 4

LCX ENERGY, LLC

AUTHORITY FOR EXPENDITURE

LEASE & WELL NO.: 1725 Fed Com # 61

COUNTY: Eddy

AFE No.: LCXD5023

Lease # 8085.001

PROSPECT:

STATE: New Mexico

SEC 6, 17S-25E, 760' FWL & 860' FNL SL, 760' FWL & 660' FSL BHL

TOTAL DEPTH: MD 920'

WELL TYPE: Horizontal

INTANGIBLE DRILLING COST

			IDC; ICC	DRY HOLE	COMPLETE	TOTAL
Survey, Permits & Professional Fees			6.43	2,000		2,000
Surface Damages			8.06	10,000		10,000
Road & Location Dirtwork			6.07	35,000	3,000	38,000
Drilling Footage	ft @ \$	per ft	6.11			
Drilling Daywork	30.0 day @ \$	12,500 per day	6.13	375,000		375,000
Rig Mobilization			6.40	40,000		40,000
Pulling Unit	8 day @ \$	\$2,200 per day	6.60, 7.39		17,600	17,600
Swab Rig	day @ \$	\$1,000 per day	7.30			
Fuel & Lubricants			6.39	40,000		40,000
Mud, Wash Oil & Chemicals			6.12	50,000		50,000
Bits, Stabilizers & Reamers			6.08	65,000		65,000
Directional Service			6.53	110,000		110,000
Casing Crews & Equipment			6.01; 7.03	7,000	5,000	12,000
Equipment Rental			6.20; 7.12	40,000	10,000	50,000
Waterwell, Pump & Line			6.47	10,000	5,000	15,000
Water Transport			6.46; 7.17	10,000	5,000	15,000
Cement Service			6.02; 7.43	51,000	35,000	86,000
Drill Stem Testing	@ \$	per test	6.54			
Coring & Core Analysis	ft @ \$	per ft	6.05			
Geological Services			6.24			
Mud Logging	15 day @ \$	650 per day	6.33	9,800		9,800
Open Hole Log Service			6.34	16,000		16,000
Cased Hole Log Service			7.36		10,000	10,000
Perforating	TCP + Tractor		6.35; 7.35		70,000	70,000
Acid Stimulation			7.01			
Frac Stimulation			7.16		300,000	300,000
Pump Truck & Nitrogen Service			7.19		3,000	3,000
Transportation			6.32; 7.32	5,000	3,000	8,000
Contract Labor & Welding			6.04; 7.07	1,500	1,500	3,000
Tubular Inspection			6.45; 7.34			
Engineering & Wellsite Supervision	Days @ \$900/day		6.16; 7.10	27,000	7,200	34,200
Abandonment			6.55			
Environmental, Disposal & Restoration			6.56		10,000	10,000
Contingencies @ 5 %			6.98; 7.98	45,200	24,300	69,500
Subtotal:				949,500	509,600	1,459,100

LEASE & WELL EQUIPMENT

Tubulars:	Size/Wt./Grade/Thd	Footage	Price			
Conductor Pipe		ft @ \$	per ft	3.03		
Surface Casing	13 3/8" 48# H40	385	ft @ \$ 32.00	per ft	3.08	12,400
Intermediate Casing	9 5/8" 36# J55	1,300	ft @ \$ 26.00	per ft	3.04	33,800
Protection Liner			ft @ \$	per ft	4.40	
Production Casing			ft @ \$	per ft	4.21	
Production Liner	5 1/2" 17# N80	9,300	ft @ \$ 16.00	per ft	4.21	139,500
Production Tubing	2 3/8" 4.6# L80	4,800	ft @ \$ 4.50	per ft	4.33	21,600
Wellhead Equipment			3.09; 4.36		4,000	4,000
Flowing Tree			3.09; 4.36			3,500
Pumping Hookup			3.09; 4.36			
Liner Hanger, Packer & Tubing Anchor			4.17; 4.20		40,000	40,000
Cementing & Float equipment			3.01; 4.41	4,000	2,000	6,000
Pumping Unit w/ Base & Prime Mover			4.22			
Electrical Installation			4.15			
Rods, Subsurface Pump & Accessories			4.24; 4.28; 4.06			
Compressor & Accessories			4.05			
SWD Equipment			4.14			
Oil Storage Tanks			4.27			
SW Fiberglass Tanks			4.35		4,800	4,800
Separator			4.26		7,500	7,500
Heater-Treater			4.13			
Dehydrator/Line Heater			4.38			
Meters, Valves & Connections			4.34		3,000	3,000
Installation			4.25		3,000	3,000
Flowline & Connections			4.34; 4.10		1,000	1,000
Gas Pipeline, Meter & Installation			4.18		10,000	10,000
Subtotal:				54,200	235,900	290,100
Grand Total:				1,003,700	745,500	1,749,200

LCX ENERGY, LLC

Prepared By: Larry Gillette

DATE: 23-Sep-05

Approved By: *[Signature]*

DATE: 10/10/05

Dorchester Minerals Operating, LP a Delaware Limited Partnership
Tax ID No. 27-0930477
By: Dorchester Minerals Management LP, its General Partner
By: Dorchester Minerals Management GP LLC, its General Partner

Approved By: *[Signature]*
By: William [Name]
DATE: 10.20.05