

EXHIBIT 5

CHESAPEAKE OPERATING, INC.
DAILY DRILLING COST REPORT

WELL NAME: COLLEGE OF THE SW 1-17 DAY: _____ DATE: _____

CODE	INTANGIBLES	AFE DRY HOLE	AFE PRODUCER	ACTUAL DAILY	ACTUAL CUMULATIVE
233-400	ROADS, LOCATION, PITS	\$ 20,000	\$ 20,000		\$ 13,500
233-405	RECLAMATION	\$ 20,000	\$ 20,000		\$ 7,815
233-401	DAMAGES	\$ 6,000	\$ 6,000		\$ 2,000
233-402	GOVERNMENT FILINGS	\$ 2,000	\$ 2,000		\$ 2,000
233-403	TITLE OPINIONS	\$ 3,000	\$ 3,000		\$ 3,000
233-404	SEISMIC	\$ 50,000	\$ 50,000		\$ 50,000
233-410	DRILLING CONTRACTOR (\$5,600/DAY W/FUEL)	\$ 95,000	\$ 95,000		\$ 98,600
233-410	FUEL	\$ -	\$ -		
233-411	DIRECTIONAL SERVICES	\$ 46,000	\$ 46,000		\$ 63,003
233-413	RIG MOBILIZATION/DEMOBILIZATION	\$ 20,000	\$ 20,000		\$ 13,500
233-414	CONTRACT LABOR	\$ 10,000	\$ 15,000		\$ 9,679
233-415	BITS	\$ 30,000	\$ 30,000		\$ 20,377
233-416	SUPPLIES, FAX, PHONE, UTILITIES	\$ 1,000	\$ 3,000		\$ 2,517
233-417	CEMENT CONDUCTOR	\$ -	\$ -		
233-417	CEMENT SURFACE CSG.	\$ -	\$ -		
233-417	CEMENT INTERMEDIATE CSG.	\$ -	\$ -		
233-417	CEMENT PRODUCTION CSG.	\$ -	\$ 20,000		\$ 13,031
233-417	CEMENT DRILLING LINER	\$ -	\$ -		
233-417	CEMENT PRODUCTION LINER	\$ -	\$ -		
233-418	MUD LOGGING	\$ 11,000	\$ 11,000		\$ 3,555
233-419	DRILLING FLUID, MUD, CHEMICALS	\$ 20,000	\$ 20,000		\$ 20,707
233-421	DRILL STRING INSPECTION	\$ -	\$ -		
233-423	OPEN HOLE LOGGING/FORMATION EVAL.	\$ 22,000	\$ 22,000		\$ 18,775
233-441	FRAC FLUID HAUL OFF	\$ -	\$ -		
233-427	FISHING	\$ -	\$ -		
233-428	DOWNHOLE RENTAL EQUIP. (REAMERS)	\$ 10,000	\$ 10,000		
233-430	COMPLETION UNIT	\$ -	\$ 20,000		
233-431	CASED HOLE LOGGING/PERFORATING	\$ -	\$ 10,000		
233-434	FORMATION TREATMENT & STIMULATION	\$ -	\$ 10,000		
233-437	SURFACE EQUIPMENT RENTAL	\$ 18,000	\$ 19,000		\$ 11,245
233-438	TRANSPORTATION	\$ -	\$ 3,000		\$ 3,100
233-443	COMPANY SUPERVISION, LABOR, ENG.	\$ 10,000	\$ 15,000		\$ 15,000
233-444	CONSULTANTS	\$ 8,000	\$ 8,000		\$ 8,550
233-446	COMPANY OVERHEAD	\$ 8,000	\$ 13,000		\$ 13,000
233-447	INSURANCE	\$ 5,000	\$ 5,000		\$ 5,000
233-449	MAJOR CONSTRUCTION OVERHEAD	\$ -	\$ 2,000		\$ 2,000
	CONTINGENCY	\$ 83,000	\$ 100,000		
	TOTAL INTANGIBLE COSTS	\$ 498,000	\$ 598,000		\$ 399,954
CODE	TANGIBLES				
230-100	SURFACE CASING/CONDUCTOR	\$ -	\$ -		
230-100	INTERMEDIATE CASING	\$ -	\$ -		
230-100	PRODUCTION CASING	\$ -	\$ 82,000		\$ 72,501
230-100	TUBING	\$ -	\$ 40,000		
230-104	FLOAT EQUIPMENT	\$ -	\$ 2,000		\$ 2,085
230-106	WELLHEAD EQUIPMENT	\$ 3,000	\$ 7,000		\$ 4,427
230-107	DOWNHOLE EQUIPMENT	\$ -	\$ 3,000		\$ 3,000
230-111	ARTIFICIAL LIFT/PUMPING UNIT, ENGINE	\$ -	\$ 50,000		
230-113	PRODUCTION EQUIPMENT	\$ -	\$ 30,000		
230-115	COMPRESSOR/COMPRESSION	\$ -	\$ -		
230-120	NON-CONTROLLABLE EQUIPMENT	\$ 1,000	\$ 1,000		
	CONTINGENCY	\$ 1,000	\$ 43,000		
	TOTAL TANGIBLE COSTS	\$ 5,000	\$ 258,000		\$ 82,013
	TOTAL WELL COSTS	\$ 503,000	\$ 856,000		\$ 481,967

EXHIBIT 5

CHESAPEAKE OPERATING, INC.

AUTHORIZATION FOR EXPENDITURE

Project Area: Lovington
Well Name: College of the SW 1-17 (Re-entry)
Operator: Chesapeake Operating, Inc.
AFE #: 952332
Spacing Unit: S/2 Section 17-16S-36E

County, State: Lea, New Mexico
Date: October 22, 1999
Total Depth: 12,100'
Formation: Strawn/Atoka

CODE	INTANGIBLE COSTS	WORK DESCRIPTION	DRY HOLE	PRODUCER
233400	Location:	Roads, Location, Pits	\$20,000.00	\$20,000.00
233405		Reclamation	\$20,000.00	\$20,000.00
233401		Damages	\$8,000.00	\$8,000.00
233402	Legal:	Governmental Filings	\$2,000.00	\$2,000.00
233403		Title Opinions	\$3,000.00	\$3,000.00
233404		Seismic Costs	\$50,000.00	\$50,000.00
233406	Drilling:	Top Drive	\$0.00	\$0.00
233408		Pipeline Construction	\$0.00	\$0.00
233410		Drilling Contractor: 18 days @ \$5,300/day	\$95,000.00	\$95,000.00
233411		Directional Services	\$48,000.00	\$48,000.00
233413		Rig Mobilization/Demobilization	\$20,000.00	\$20,000.00
233414		Contract Labor	\$10,000.00	\$15,000.00
233415		Bits	\$30,000.00	\$30,000.00
233416		Supplies and Utilities	\$1,000.00	\$3,000.00
233417		Cement Conductor	\$0.00	\$0.00
233417		Cement Surface Casing	\$0.00	\$0.00
233417		Cement Intermediate Casing	\$0.00	\$0.00
233417		Cement Production Casing	\$0.00	\$20,000.00
233417		Cement Drilling Liner	\$0.00	\$0.00
233417		Cement Production Liner	\$0.00	\$0.00
233418		Mud Logging	\$11,000.00	\$11,000.00
233419		Drilling Fluids, Mud, Chem.	\$20,000.00	\$20,000.00
233421		Drill String Inspection	\$0.00	\$0.00
233423		Open Hole Logging	\$22,000.00	\$22,000.00
233427		Fishing	\$0.00	\$0.00
233428		Downhole Rental Equipment	\$10,000.00	\$10,000.00
233430	Completion:	Completion Unit	\$0.00	\$20,000.00
233431		Cased Hole Logging/Perforating	\$0.00	\$10,000.00
233433		Jetting	\$0.00	\$0.00
233434		Formation Stimulation	\$0.00	\$10,000.00
233437	General:	Surface Equipment Rental	\$18,000.00	\$19,000.00
233438		Transportation	\$0.00	\$3,000.00
233441		Frac Fluid Hauloff	\$0.00	\$0.00
233442		Blowout/Emergencies	\$0.00	\$0.00
233443		Company Supervision/Engineering	\$10,000.00	\$15,000.00
233444		Consultants	\$8,000.00	\$8,000.00
233446		Company Overhead	\$8,000.00	\$13,000.00
233447		Insurance	\$5,000.00	\$5,000.00
233449		Major Construction Overhead	\$0.00	\$2,000.00
233450		Plug to Abandon	\$0.00	\$0.00
		20% Contingency	\$83,000.00	\$100,000.00
TOTAL	INTANGIBLES	Total Intangible Costs	\$498,000.00	\$598,000.00

CODE	TANGIBLE COSTS	WORK DESCRIPTION		
230100	Tubulars:	Surface Casing:	\$0.00	\$0.00
230100		Intermediate Casing:	\$0.00	\$0.00
230100		Production Casing: 12,100' 5 1/2"	\$0.00	\$82,000.00
230100		Drilling Liner:	\$0.00	\$0.00
230100		Production Liner:	\$0.00	\$0.00
230100		Tubing: 11,500' 2 7/8"	\$0.00	\$40,000.00
230104		Float Equipment	\$0.00	\$2,000.00
230108	Lease Equipment:	Wellhead Equipment	\$3,000.00	\$7,000.00
230107		Downhole Equipment	\$0.00	\$3,000.00
230111		Artificial Lift-Pumping Unit	\$0.00	\$50,000.00
230113		Production Equipment	\$0.00	\$30,000.00
230115		Compressor/Compression	\$0.00	\$0.00
230116		Pipeline Equipment	\$0.00	\$0.00
230120		Non-Controllable Equipment	\$1,000.00	\$1,000.00
		20% Contingency	\$1,000.00	\$43,000.00
TOTAL	TANGIBLES	Total Tangible Costs	\$5,000.00	\$258,000.00
		Total Costs	\$503,000.00	\$856,000.00

Prepared by: JKD

Approved by: JML

OPERATOR'S APPROVAL: _____ DATE: _____

Operations/Geology

OPERATOR'S APPROVAL: _____ DATE: 10/22/99

Land/Accounting

NON-OPERATOR'S APPROVAL: _____ DATE: _____

EXHIBIT 5