



AUTHORITY FOR EXPENDITURE

AFE No. Lease Name Federal "E"

Well No. #1E

Description SE/4 of Sec 17, T28N, R10W

State	New Mexico	Area	San Juan Division
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Project	Drill & Complete a infill Dakota Gas Well
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Exploration	Development	X	Recompletion	T.D.
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County San Juan

Operator	<u>CTOC</u>
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Prepared by JW Patton

6,850' TVD

Date 07/24/2000

24x xx

INTANGIBLE

TANGIBLE

TOTAL

8-01	CONDUCTOR HOLE / RATHOLE			\$0
8-01	DAYWORK DRILLING 10 days @ \$6,300/day	\$63,000		\$63,000
8-01	FOOTAGE DRILLING			\$0
8-01	MOVING RIG	\$9,500		\$9,500
8-01	TURNKEY DRILLING			\$0
8-03	CONTRACT LABOR	\$4,000		\$4,000
8-04	TRUCKING	\$5,000		\$5,000
8-05	LOCATION / ROADS / PITS	\$12,000		\$12,000
8-06	MUD / CHEMICALS	\$10,000		\$10,000
8-06	WATER & WATERLINES (for drilling)	\$12,000		\$12,000
8-07	DST / WL FORMATION TESTING			\$0
8-08	OPEN HOLE LOGS	\$16,000		\$16,000
8-09	CEMENT & CEMENTING SERVICES	\$6,000		\$6,000
8-10	DRILL BITS 1- 12 1/4", 3 - 7 7/8" Bits	\$20,000		\$20,000
8-10	POWER & FUEL	\$2,000		\$2,000
8-11	CASING CREWS, TOOLS & TONGS			\$0
8-12	RENTAL TOOLS & EQUIPMENT	\$4,000		\$4,000
8-15	CORING & CORE ANALYSIS			\$0
8-16	PUMP TRUCKS & SERVICES			\$0
8-17	ENGINEERING / SUPERVISION 10 days @ \$500/day	\$5,000		\$5,000
8-18	MUD LOGGING UNIT	\$5,000		\$5,000
8-18	DIRECTIONAL TOOLS & SERVICE			\$0
8-18	FISHING TOOLS & SERVICE			\$0
8-21	LAND DAMAGES / LEGAL WORK	\$5,000		\$5,000
9-01	OVERHEAD 10 days @ \$300/day	\$3,000		\$3,000
9-01	CONDUCTOR PIPE			\$0
9-01	INTERMEDIATE CASING			\$0
9-01	SURFACE CASING 8-5/8" Surface Csg set @ 350'		\$2,800	\$2,800
9-03	BRADENHEAD		\$4,500	\$4,500
9-10	NON-CONT. TANG. EQUIP. DRLG.			\$0
CONTINGENCIES 5%		\$9,100	\$400	\$9,500
TOTAL COST TO CASING POINT		\$190,600	\$7,700	\$198,300
PLUG & ABANDONMENT		\$2,000		\$2,000
TOTAL COST IF DRY HOLE		\$192,600	\$7,700	\$200,300
8-02	COMPLETION UNIT 6 days @ \$2250/day	\$13,500		\$13,500
8-03	CONTRACT LABOR	\$5,000		\$5,000
8-03	INSTALLATION OF SERVICE EQUIPMENT			\$0
8-04	TRUCKING	\$5,000		\$5,000
8-05	FILL PITS & DRESS LOCATION	\$2,500		\$2,500
8-06	CHEMICAL PRODUCTS			\$0
8-06	WATER TRANSPORTS (DELIVERY & DISPOSAL)	\$5,000		\$5,000
8-07	CASED HOLE WIRELINE SERVICES	\$3,000		\$3,000
8-09	CEMENT & CEMENTING SERVICES	\$17,000		\$17,000
8-11	CASING CREWS, TOOLS & TONGS	\$4,000		\$4,000
8-11	RENTAL TOOLS & EQUIPMENT	\$5,000		\$5,000
8-15	FRAC PIT / LINER			\$0
8-15	FRAC TANK RENTALS & TANK TRUCKING (TO LOC.)	\$4,000		\$4,000
8-15	PUMP TRUCKS & SERVICES			\$0
8-15	STIMULATION SERVICES Dakota Frac	\$60,000		\$60,000
8-16	ENGINEERING / SUPERVISION 6 days @ \$500/day	\$3,000		\$3,000
8-18	FISHING TOOLS & SERVICES			\$0
8-18	LEGAL WORK			\$0
8-18	PLUG & ABANDONMENT			\$0
8-21	OVERHEAD 6 days @ \$300/day	\$1,800		\$1,800
9-01	PRODUCTION CASING / LINER 4-1/2", 10.5# Csg @ 6850'		\$25,700	\$25,700
9-02	TUBING 2-3/8" Tbg @ 6750'		\$15,200	\$15,200
9-03	TUBINGHEAD / X-MAS TREE		\$6,500	\$6,500
9-04	ARTIFICIAL LIFT EQUIPMENT		\$2,500	\$2,500
9-04	SUBSURFACE EQUIPMENT / SALVABLE			\$0
9-05	SEPARATION EQUIPMENT / GAUGES		\$10,000	\$10,000
9-05	TANKS / WALKS / STAIRWAYS		\$4,000	\$4,000
9-09	FLOWLINES & FITTINGS		\$4,500	\$4,500
9-10	NON-CONT. TANG. EQUIP. COMPL. EFM/MTR RUN		\$8,000	\$8,000
CONTINGENCIES 5%		\$6,400	\$3,800	\$10,200
TOTAL COST TO COMPLETE & EQUIP		\$135,200	\$80,200	\$215,400
TOTAL WELL COST		\$325,800	\$87,900	\$413,700

[illegible]