Cross Timbers Operating Company

AUTHORITY FOR EXPENDITURE

AFE No. _____ Lease Name Federal "F" Well No. #2E

Description SE/4 of Sec 4, T27N, R10W County San Juan

State New Mexico Area San Juan Division Operator CTOC

Project Drill & Complete a infill Dakota Gas Well Prepared by JW Patton

Exploration Development X Recompletion T.D. 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

OPERATOR	BY	WI %	DATE
COMPANY	BY	WI %	DATE
COMPANY	BY	WI %	DATE
COMPANY	BY	WI %	DATE
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