

J.W.MULLOY ASSOCIATES, INC.

Engineering & Consulting

508 West Wall #100

Midland, Texas 79701

Phone: (915) 687-0323 Fax: (915) 686-7224

Operator: Matrix New Mexico Operating Company, LLC
 Location: 530 FNL & 330 FEL Sec 10 T13S R38E
 Field: Bronco (Wolfcamp)

Well Name: Townsen #1-A
 County: Lea
 Formation: Wolfcamp

Date: 8/10/2004

State: New Mexico
 Depth: 9,800

Code	DRILLING	Time in days:		28		Tangible	Intangible	Total Cost
D1	Survey, Build Site, Road & Surface Damages						\$25,000	\$25,000
D5	Surface Casing	13 3/8 "	450	'@	\$27.00 per foot	\$12,150		\$12,150
D6	Cement, Accessories & Service						\$10,000	\$10,000
D7	Protective Casing	8 5/8 "	4,500	'@	\$20.00 per foot	\$90,000		\$90,000
D8	Cement Accessories & Service						\$20,000	\$20,000
D13	Casing Heads, Valves & Fittings					\$5,500		\$5,500
D14	Mud, Water, Oil & Chemicals						\$40,000	\$40,000
D15	Mud Hydrocarbon Logging	10	days	@	\$750.00 per day		\$7,500	\$7,500
D17	Electrical Logging						\$15,000	\$15,000
D18	Daywork On Contract	3	days	@	\$7,200.00 per day		\$21,600	\$21,600
D19	Footage On Contract	9800	feet	@	\$25.00 per foot		\$245,000	\$245,000
D23	Special Tools, Bits & Rentals						\$15,000	\$15,000
D24	Supervision, Engineering	30	days	@	\$750.00 per day		\$22,500	\$22,500
D25	Supervision, Geological	10	days	@	\$750.00 per day		\$7,500	\$7,500
D26	Drilling Overhead	1	month	@	\$5,000.00 per mo		\$5,000	\$5,000
D27	Misc. Services, Supplies & Labor @ 10%					\$11,000	\$43,500	\$54,500
Total Drilling Costs						\$118,650	\$477,600	\$596,250

ABANDONMENT

Cost To Abandon		\$20,000
Total Dry Hole Costs		\$477,600
		\$616,250

COMPLETION

		Time in days:		10				
C1	Production Casing/Liner	5 1/2 "	9,800	'@	\$12.50 per foot	\$122,500		\$122,500
C2	Cement, Accessories & Service w/Hanger						\$20,000	\$20,000
C3	Casing Heads, Valves & Fittings					\$5,000		\$5,000
C4	Packers, Accessories & Service						\$3,000	\$3,000
C5	Production Tubing	2 3/8 "	9,800	'@	\$4.20 per foot	\$41,160		\$41,160
C6	Perforating Service & Logs						\$3,500	\$3,500
C7	Treating Services & Supplies						\$12,500	\$12,500
C8	Well Servicing Rig	10	days	@	\$2,500.00 per day		\$25,000	\$25,000
C9	Artificial Lift Facilities w/rods, pump & accessories						\$75,000	\$75,000
C10	Supervision, Engineering	12	days	@	\$750.00 per day		\$9,000	\$9,000
C11	Special Tools, Bits & Rentals						\$5,000	\$5,000
C12	Misc. Services, Supplies & Labor @ 10%					\$17,000	\$15,300	\$32,300
Total Completion Cost						\$185,660	\$168,300	\$353,960

LEASE FACILITIES

		Time In Days:		5				
F1	Build Site & Road						\$2,000	\$2,000
F2	Tanks & Accessories					\$15,000		\$15,000
F4	Heaters, Treators & Accessories					\$5,000		\$5,000
F5	Line Pipe, Flow & Other					\$2,500		\$2,500
F6	Valves & Fittings					\$10,000		\$10,000
F7	Supervision, Engineering	4	days	@	\$750.00 per day		\$3,000	\$3,000
F8	Misc. Services, Supplies & Labor					\$3,000	\$4,000	\$7,000
Total Lease Facilities Cost						\$35,500	\$9,000	\$44,500

SUMMARY OF COST

Drilling Cost	\$118,650	\$477,600	\$596,250
Completion Cost	\$185,660	\$168,300	\$353,960
Total	\$304,310	\$645,900	\$950,210
Lease Facilities Cost	\$35,500	\$9,000	\$44,500
GRAND TOTAL COST	\$339,810	\$654,900	\$994,710

Approval:

Company _____ (This AFE is an estimate only-Invoicing will be on actual cost.)

By: _____

Hearing Date: November 18, 2004

Name/Title: _____ Date _____

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Case Nos. 13357 Exhibit No. 4

Submitted by:

Matrix Production Company