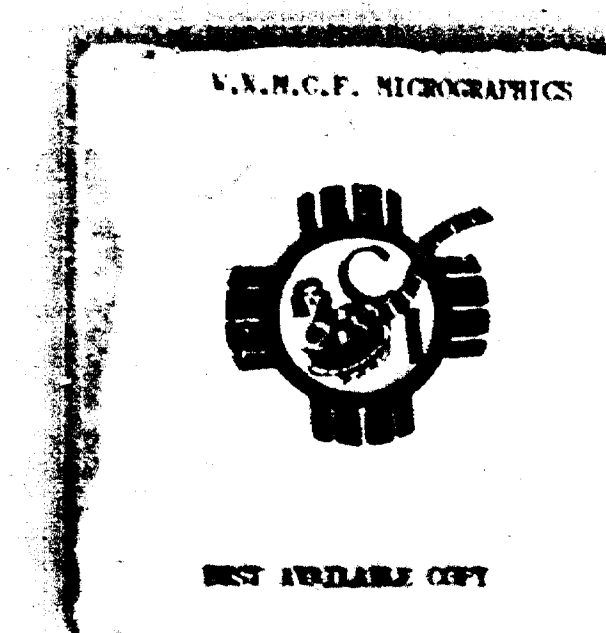
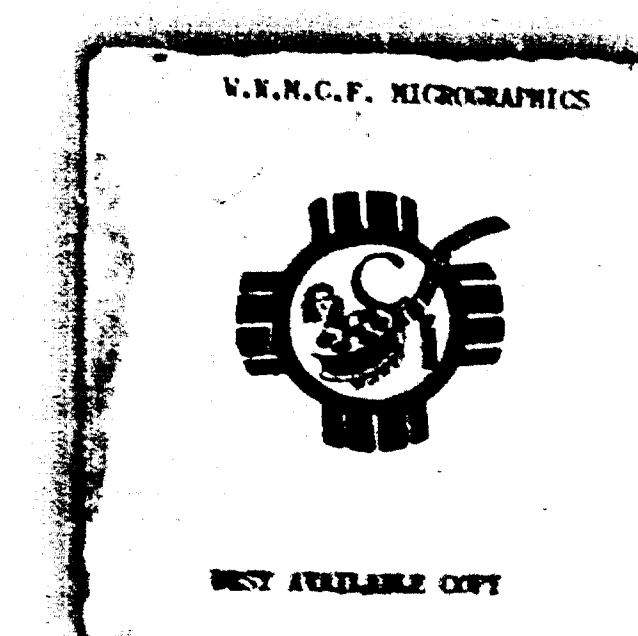
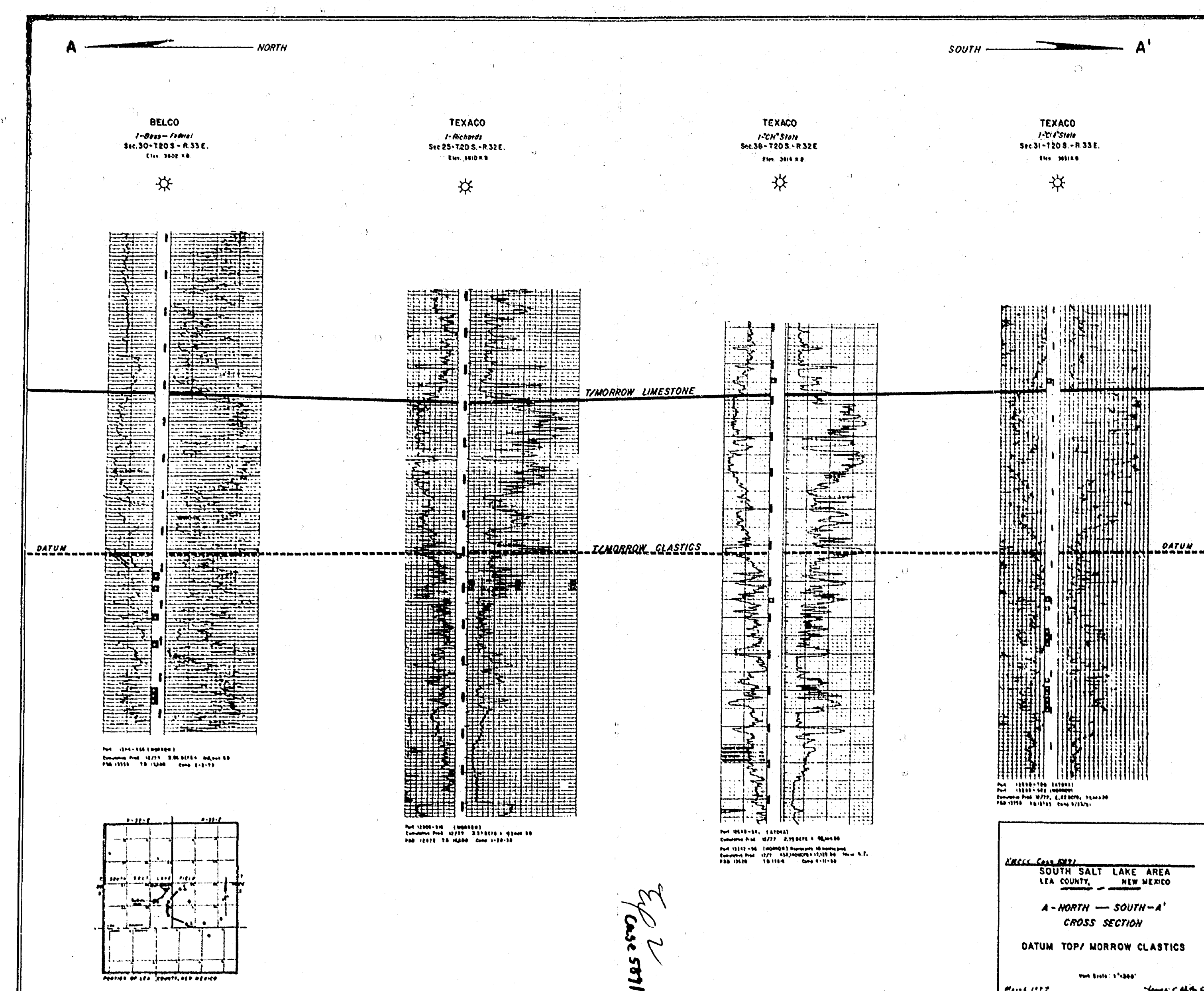


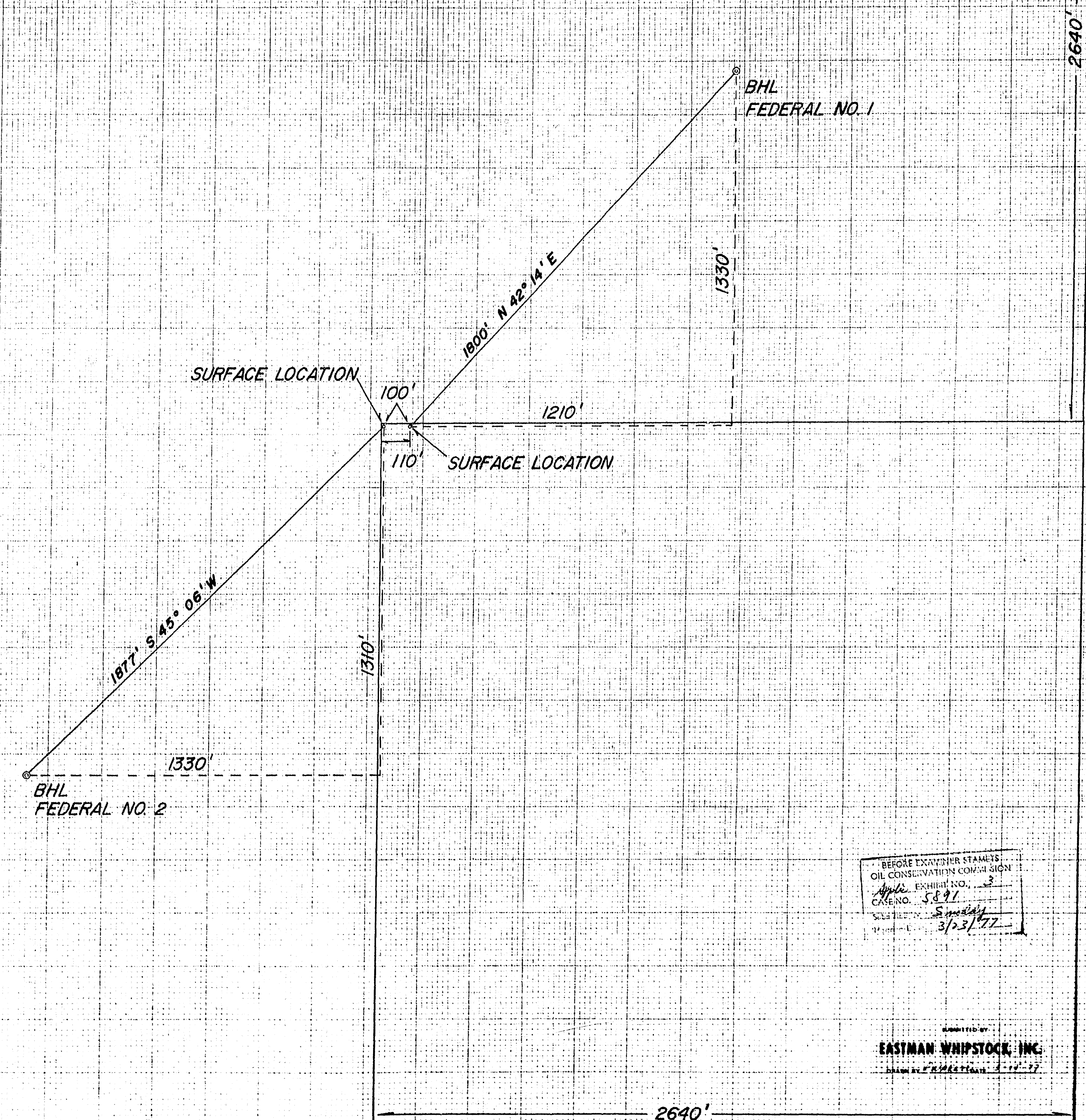
Case No
5891

Large Exhibits



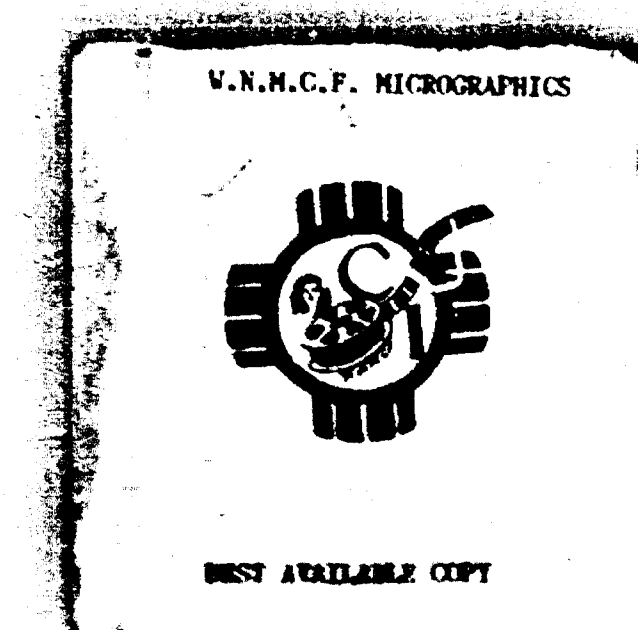


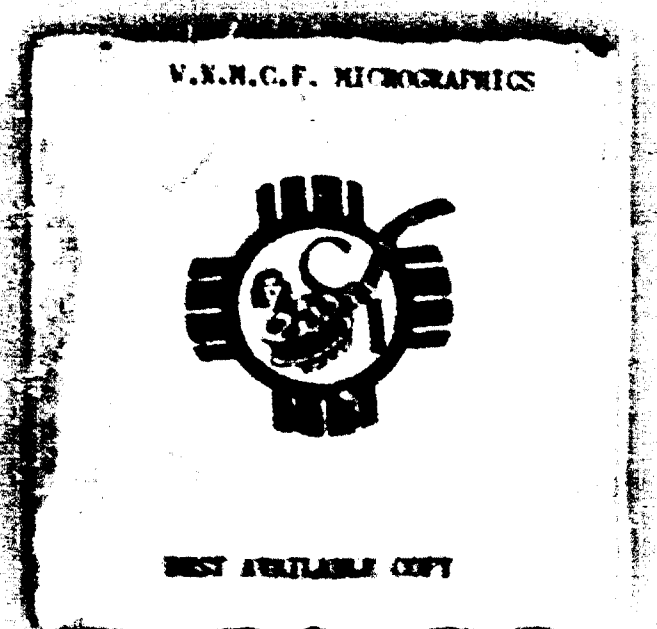
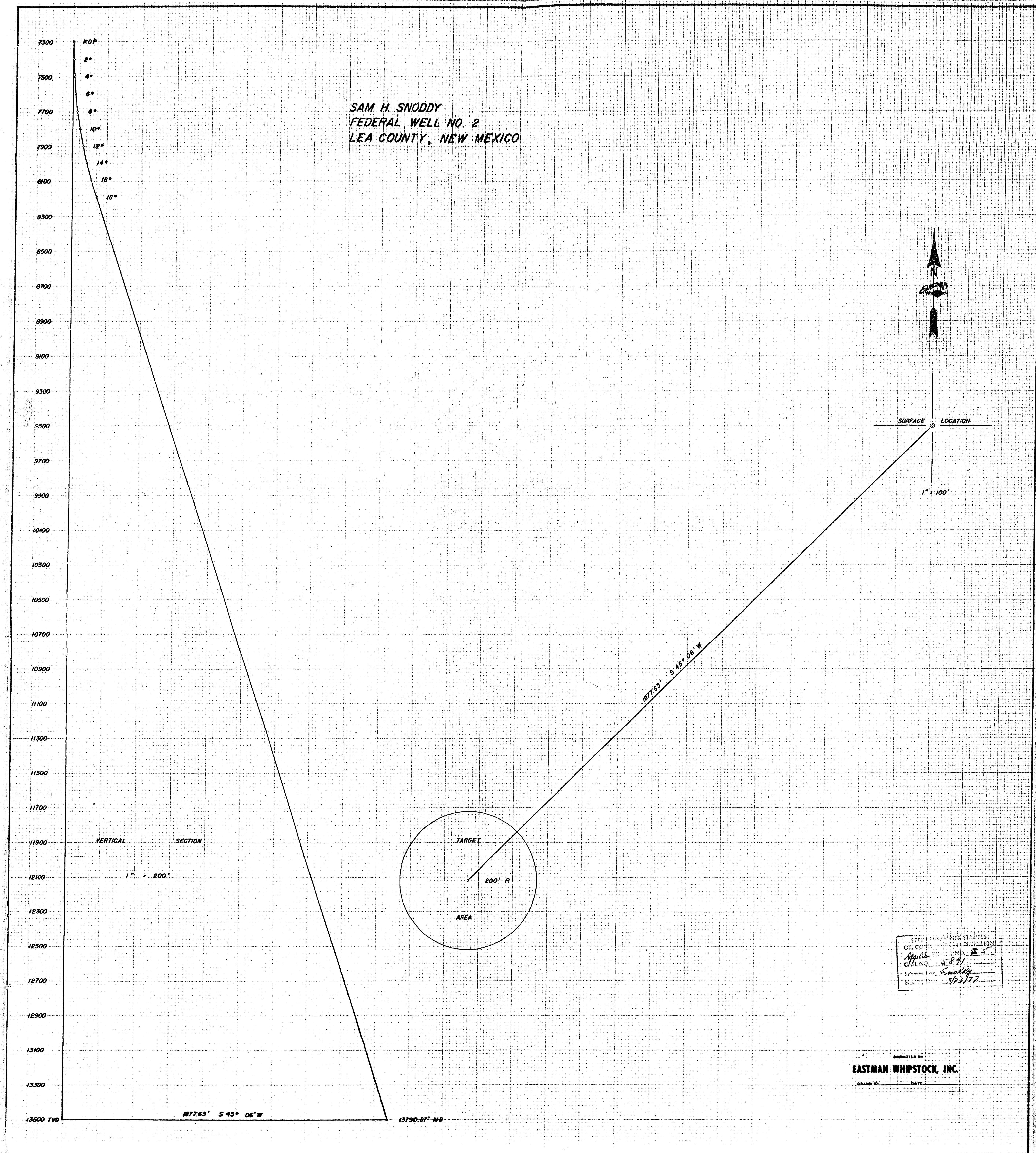
SAM H. SNODDY
 FEDERAL WELLS NO. 1 and NO. 2
 LEA COUNTY, NEW MEXICO
 1" = 200'



BEFORE EXAMINER STAMPS
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 2
 CASE NO. 5841
 DATE FILED 3/23/77

PREPARED BY
 EASTMAN WHIPSTOCK, INC.
 3/23/77





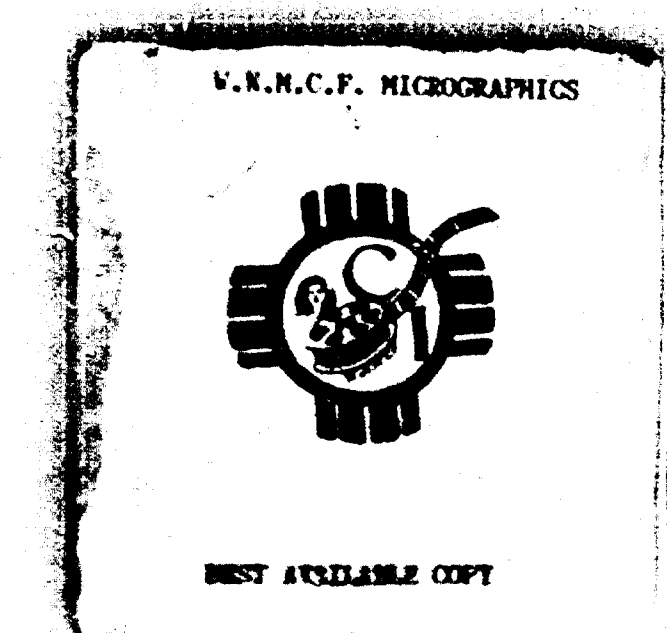
Eastman
Whipstock

BEFORE EXAMINER STAMPS
OIL CONSERVATION COMMISSION
APPLICANT EXHIBIT NO. 8841
CASE NO. 8841
Submitted by Sam H. Snoddy
Hearing Date 2/23/77

Mr. Sam H. Snoddy
Federal Well No. 1
Lea Co., New Mexico

Ex 6

DIRECTIONAL DRILLERS/SUB-SURFACE SURVEYORS/INSTRUMENT & TOOL RENTALS/SALES/WORLDWIDE





(915) 563-0511 / Telex: 74-3452
P. O. Box 5577 / Midland, Texas 79701
Int: TWX 910-881-5959 / Cable: EASTCO

March 16, 1977

Mr. Sam H. Snoddy
202 Mid American Bldg.
Midland, Texas 79701

Dear Mr. Snoddy:

Please find enclosed an Argle Build up schedule proposal, Surface Plot showing both surface locations and bottom hole locations and Cost Estimates to control directional drill your pending Federal Wells No. 1 and 2, in Lea County, New Mexico.

I believe the cost estimates are realistic but will do more research into the actual planning of the kick-off point. We will be looking for a drilling break in the vicinity of 750'. The kick-off point could vary a few 100' either way.

We appreciate the opportunity to submit this proposal to you and as always, it is our pleasure to be of service.

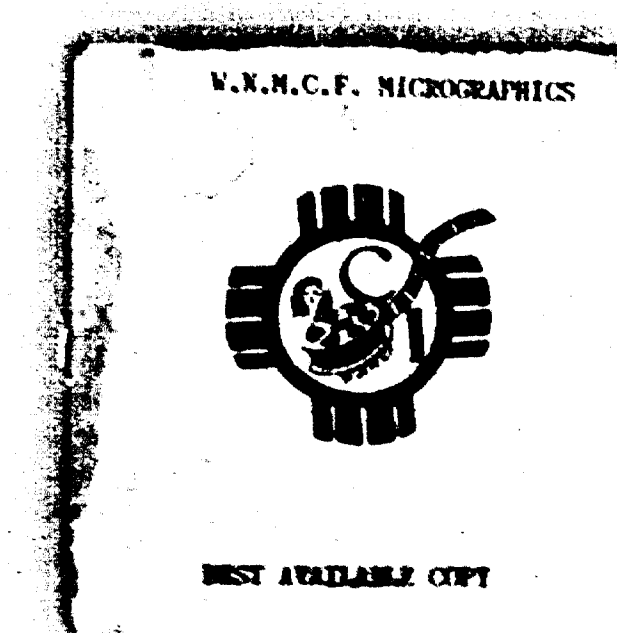
Sincerely,

Ray Warner
Ray Warner
District Representative

RW/pj

enc:

Directional Drillers/Sub-Surface Surveyors/Instrument & Tool Rentals/Sales/Workovers



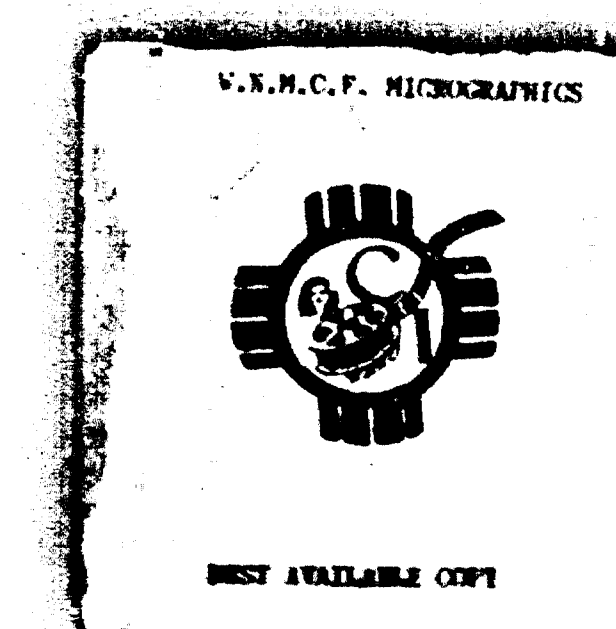
Sam H. Snoddy

Federal Well No. 1
Lea Co., New Mexico

RECOMMENDED PROCEDURES

1. Run directional survey 0' to 3000' (casing point) either on 5/16" (standard) wire line or run 60' x 25' non-magnetic drill collar on last bit trip before drilling to casing point and drop multiple shot and survey on trip out of hole.
2. Drill to approximately 7000' and drop multiple shot survey on trip out. (Accumulated deviation in off-set well is 133'). It is possible that this deviation could be in the opposite direction of the proposed direction. In this case it is possible we would have to start deflecting the well at this point (depending on where the bottom hole location from surface and/or proposed bottom hole location). If the bottom hole location is in a favorable position we would drill to a deeper depth for our kick off point.
3. Upon reaching kick off point, we would run 7 7/8" diamond bit, down hole and motor, 2" deflecting sub w/ orienting sleeve, 60' x 25' non-magnetic drill collar and regular steel drill collars and drill pipe and drill 60' +/- w/ surface read out equipment to deflect the well bore with the proper direction and angle.
4. Run regular drilling bit, extension sub, bottom hole reamer, non-magnetic drill collar and steel collars until average angle is reached.
5. Run packer hole assembly consisting of regular drilling bit, bottom hole reamer, short steel drill collar, reamer, non-magnetic drill collar, reamer and steel drill collars.
6. Drill until it is determined that a corrective deflecting tool is needed or to total depth.

Note: It may be necessary to change the recommended procedures because of hole conditions or other considerations.



Sam H. Snoddy

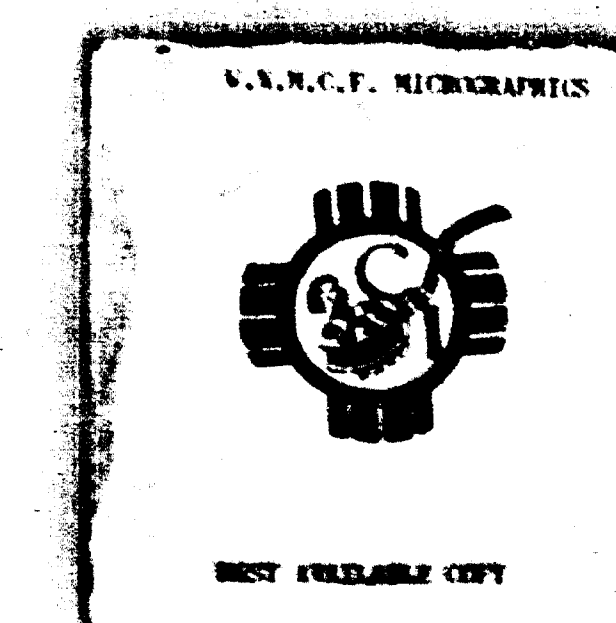
Federal No. 1
Las Cruces, New Mexico

COST ESTIMATE

Cost Estimate based on 44 Straight Hole Drilling days from kick-off point, 7500' TVD, to total depth of 13,500' TVD.

Directional Surveys 0" to 13,500'	\$2420.00
1st Day Directional Drilling Service	575.00
59 Additional days @ \$310.00 per day	18,290.00
60 Days Meals and Lodging @ \$30.00 per day	1800.00
Down Hole Motor (initial run, 15 hrs)	1850.00
Loss in Hole Coverage	110.00
Down Hole Motor (corrective run, 8 hrs)	1010.00
Loss in Hole Coverage	70.00
Wire Line Charges--1st run	1090.00
Surface Read-Out -- 1st run	2300.00
2" Deflecting sub w/sleeve min 7.50 @ 15 days	112.50
6 1/4 x 25' Non Magnetic Drill Collar 60 days @ 60.60 per day	3636.00
Directional Single Shot Instrument 60 days @ 34.00 per day	2040.00
7 7/8 Diamond Bit	3500.00
3 Reamer Body Rental @ \$165.00 each	495.00
3 Sets 7 7/8 Reamer Cutters @ \$315.00 each	945.00
6 1/2" x 10' Steel Drill Collar 56 Days @ 9.00 per day	504.00
Miscellaneous subs, trucking, mileage, etc.	600.00
	\$33,985.50
	41 227 50

Average cost per day -- \$566.45

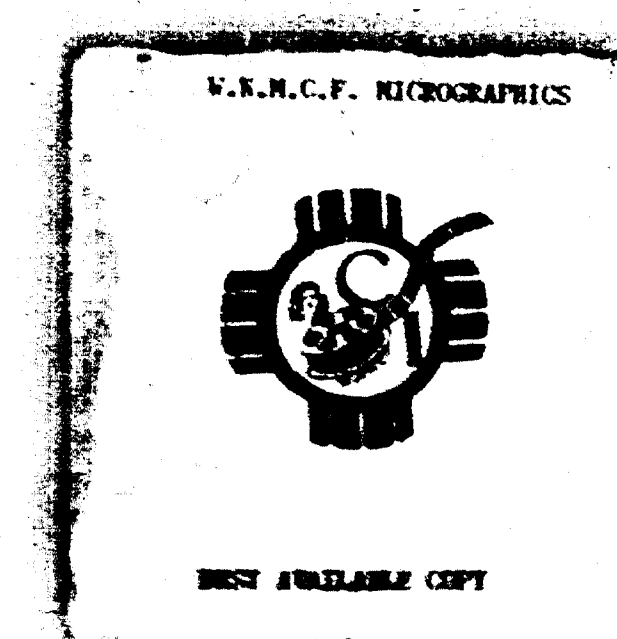


San H. Snoddy

Federal Well No. 1
Lea Co., New Mexico

ANGLE BUILD-UP SCHEDULE
2° per 100'

Measured Depth	Angle	TVD	Displacement
7500'	0°	7500.00'	0'
7600'	2°	7599.98'	1.75'
7700'	4°	7699.84'	6.98'
7800'	6°	7799.45'	15.70'
7900'	8°	7898.70'	27.89'
8000'	10°	7997.46'	43.54'
8100'	12°	8095.62'	62.63'
8200'	14°	8193.05'	85.13'
8300'	16°	8289.63'	111.02'
13777.43'	17°58'	13500.00'	1800.00'



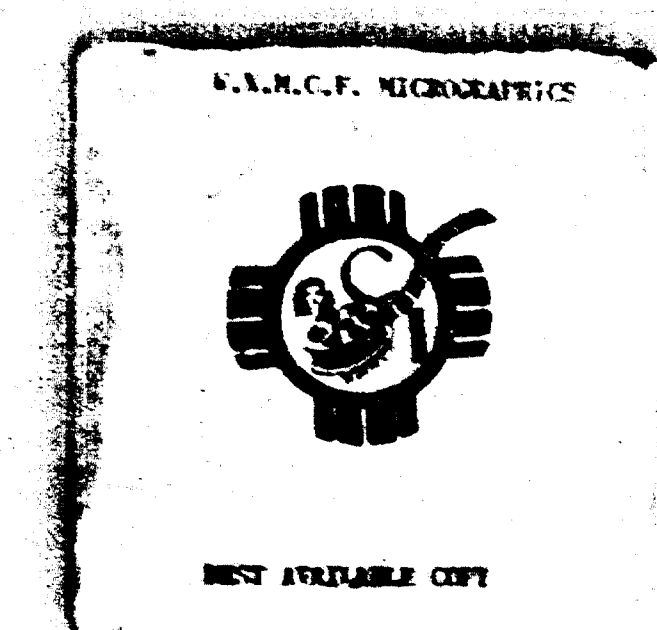
San H. Snoddy Federal No. 1
Lee Co., New Mexico

COST ESTIMATE

Cost Estimate based on 44 Straight Hole Drilling days from kick-off
point, 7500' TVD, to total depth of 13,500' TVD.

Directional Surveys 0' to 13,500'	\$2420.00
1st Day Directional Drilling Service	575.00
59 Additional days @ \$310.00 per day	18,290.00
60 Days Meals and Lodging @ \$30.00 per day	1800.00
Down Hole Motor (initial run, 15 hrs)	1850.00
Loss in Hole Coverage	110.00
Down Hole Motor (corrective run, 8 hrs)	1210.00
Loss in Hole Coverage	70.00
Wire Line Charges--1st run	1000.00
Surface Read-Out -- 1st run	2300.00
2" Deflecting sub w/sleeve min 7.50 @ 15 days	112.50
6 1/4 x 22' Non-Magnetic Drill Collar 60 days @ 60.60 per day	3636.00
Directional Single Shot Instrument 60 days @ \$34.00 per day	2040.00
7 7/8 Diamond Bit	3500.00
1 Reamer Body Rental @ \$65.00 each	455.00
7 Sets 7 7/8 Reamer Cutters @ \$15.00 each	2205.00
6 1/2" x 10' Steel Drill Collar 56 Days @ 9.00 per day	504.00
Miscellaneous subs, trucking, mileage, etc.	600.00
	\$ 42,517.50

Average cost per day -- \$ 708.63



Contact your nearest **Eastman Whipstock** representative

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FAX: (203) 289-1001

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