



Daggett Surveying, Inc.

R. HOWARD DAGGETT
Registered Land Surveyor

P.O. Box 2789
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505-326-1772

New Mexico License
No. 967

August 2, 1990

Mr. Charles Werner
Meridian Oil Company
3535 E. 30th
Farmington, New Mexico 87401

RE: Rosa Unit No. 201, Well Footages

Dear Mr. Werner:

Regarding the above mentioned well, there appears to be a discrepancy between the well list footages and where the well head has been located with relationship to Section 22, T.31 N., R.6 W., NMPM. Well list footages were 1230 feet FNL, 1330 feet FEL, surveyed location is 1644 FNL, 420 FEL. We find a difference of 414 feet North/South, and 910 feet East/West.

We encountered this discrepancy upon completing our preliminary survey for a pipeline right-of-way to the above mentioned well head.

Procedures used to determine well head location are as follows: surveyed centerline of right-of-way to the existing well head. We also found and located a USGLO Brass Cap at the Northeast Corner of Section 22, and the East Quarter Corner of Section 22. The line between the two found Brass Caps we held for a Basis of Bearing. Record GLO Bearing is S 00-30-00 W.

We then also checked this Basis of Bearing in our survey with a solar observation, which checked within 00-02-30 (00 degrees, 02 minutes, and 30 seconds).

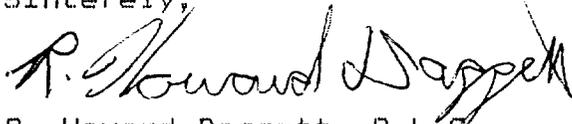
Survey footages were calculated using the found Brass Cap at the Northeast Corner of Section 22 by running a bearing - bearing intersection against both the North and East lines of Section 22.

Examiner _____
Case No. 10040
EXHIBIT NO. 4

Please find enclosed a copy of our preliminary survey plat showing our surveyed location of the well head in question and the location of the pipeline right-of-way as surveyed leading to it.

Should you have any further questions or require any addition information, please feel free to contact us at anytime.

Sincerely,

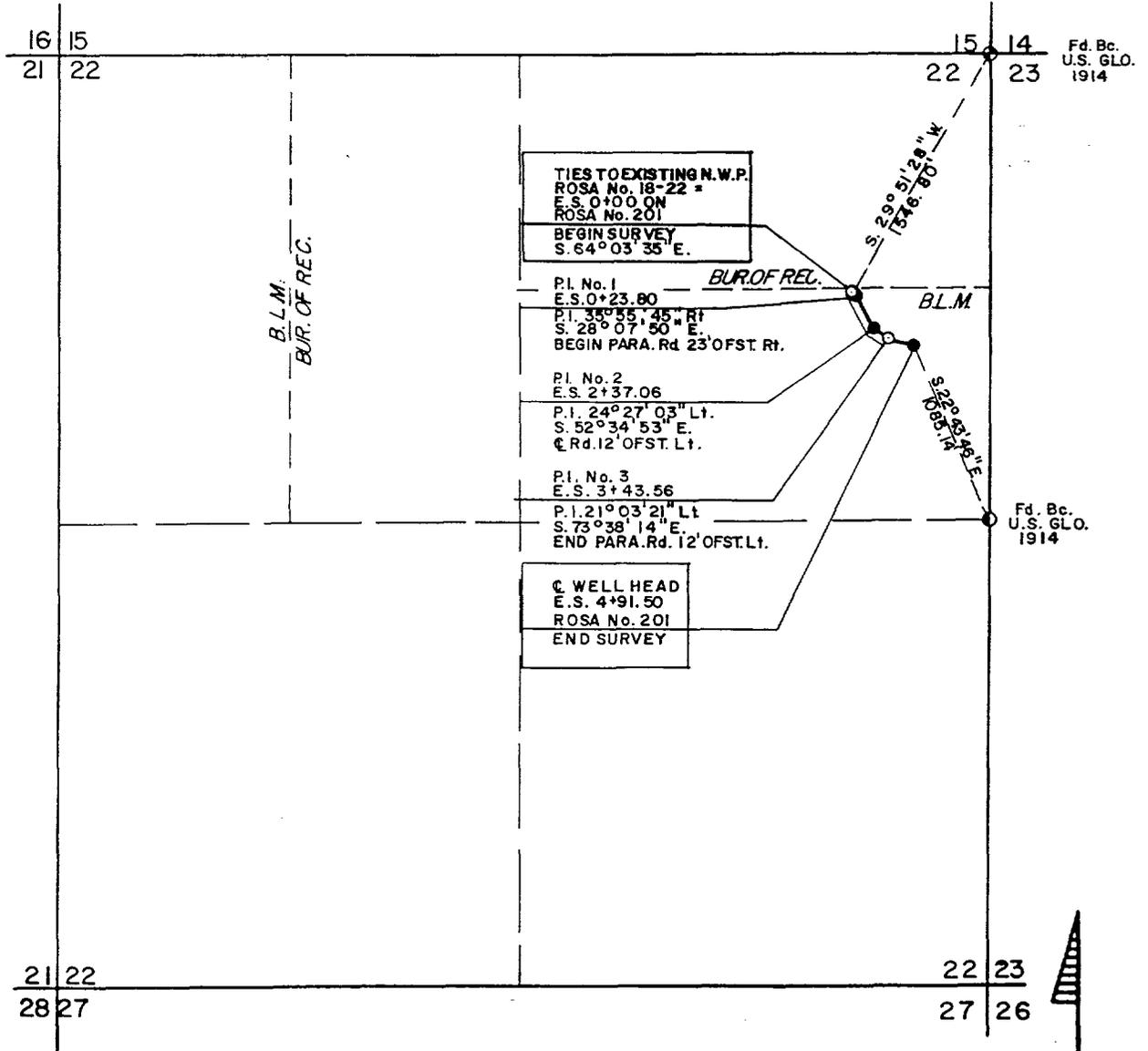
A handwritten signature in black ink that reads "R. Howard Daggett". The signature is written in a cursive style with a large, prominent initial "R".

R. Howard Daggett, R.L.S.
President, Daggett Surveying, Inc.

Enclosure

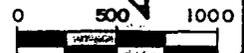
RHD/jkt

A SURVEY FOR
MERIDIAN OIL CO.
GAS PIPELINE
ROSA No. 201
 NE/4, SEC. 22, T. 31 N., R. 6 W., N.M.P.M.
 RIO ARRIBA COUNTY, NEW MEXICO



NOTE:
 1. BASIS OF BEARING - E. LINE NE/4 SEC. 22, T. 31 N., R. 6 W., N.M.P.M., RIO ARRIBA CO., N.M. BEARS: S. 00° 03' 00" W.
 2. O = CAPPED IRON PINS SET AT REFERENCE POINTS

OWNER	STATION	FT./RODS
B.L.M.	0+00 to 4+91.50	491.50/29.78



R. Howard Daggett
 R. HOWARD DAGGETT
 NEW MEXICO

DATE: 10/3/89

REVISION REV. BY DATE

SCALE 1" = 1000'

I, R. HOWARD DAGGETT, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYING IN NEW MEXICO

DAGGETT SURVEYING, INC.
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geological consultants

and



Archaeological Division

**CURTIS MATTHEWS
STEPHANIE MATTHEWS
P.O. BOX 2922
DURANGO, CO 81302
303-247-5814**

August 21, 1989

Charles Werner
Meridian Oil Co
P.O. Box 4289
Farmington, NM 87499-4289

Re: Rosa Unit #201
Rosa Unit #216
Rosa Unit #222
Rosa Unit #208

Dear Mr. Werner:

The wells mentioned above were included in a farmout agreement with Northwest Pipeline, and were examined by Steve Sacks of the Bureau of Reclamation, Odell Farley of Meridian Oil, and myself as archaeologist, in order to determine whether the already approved well locations required expansion.

It was determined that the above locations were acceptable to all parties and do not require additional expansion.

As there were no alterations to the original APD, no report on the above locations was necessary.

If there are any questions, please call us.

Sincerely,

S. Sofranoff (Matthews)
Supervisory Archaeologist