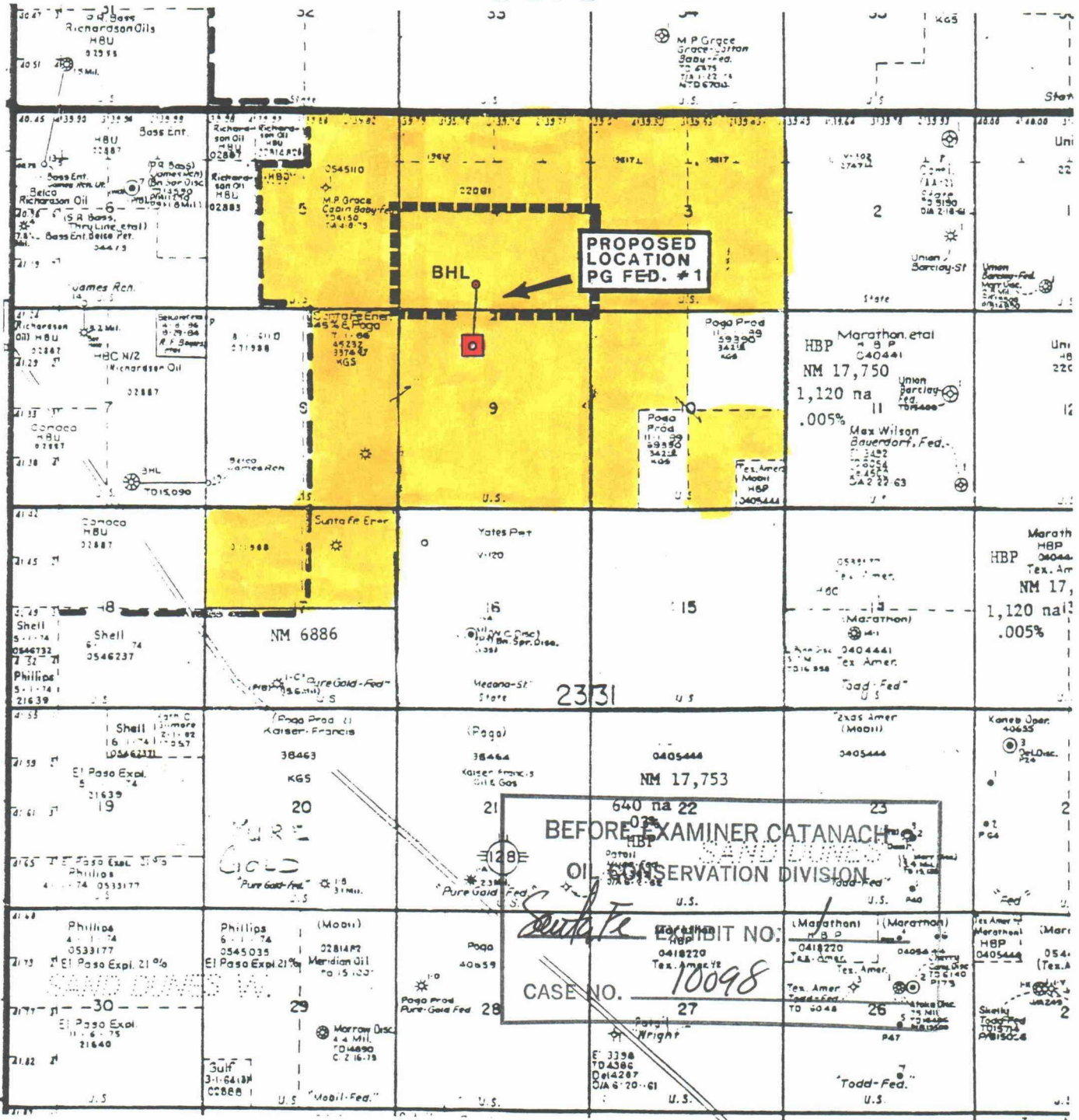


Exhibits 1 through 6

R 31 E



PRORATION UNIT

BOTTOM HOLE LOCATION
860' FSL & 1980' FWL, SEC 4

SURFACE LOCATION
900' FNL & 1980' FWL, SEC 9



SANTA FE ENERGY
OPERATING PARTNERS, LP.
PERMIAN BASIN DISTRICT
MIDLAND, TEXAS

CARLSBAD AREA
EDDY CO., NEW MEXICO

PURE GOLD PROSPECT

SCALE 1"=4000'

DATE 8-20-90

Santa Fe Energy Operating Partners, L.P.

Santa Fe Pacific Exploration Company
Managing General Partner

Certified Mail #P 355 214 137

August 28, 1990

Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Attention: Mr. Mike Burch

Re: P.G. Fed. "4" #1
S/2 Section 4,
T-23-S, R-31-E,
Eddy County, New Mexico

Gentlemen:

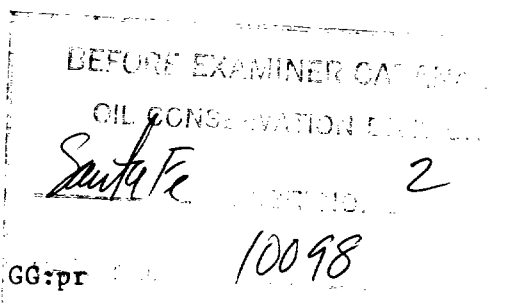
Enclosed is a revised Well Cost Estimate to reflect the additional cost of directional drilling for the captioned well.

In addition, please allow this letter to serve as notice of Santa Fe's application to appear at the September 19, 1990 New Mexico Oil Conservation Division hearing, for approval of the directional drilling of this well.

Should you have any questions, please give me a call.

Sincerely,

SANTA FE ENERGY OPERATING PARTNERS, L.P.
By: Santa Fe Pacific Exploration Company
Managing General Partner



By: Gary Green
Gary Green, Senior Landman

Enclosure a/s

pr1617

Permian Basin District
500 W. Illinois
Suite 500
Midland, Texas 79701
915/687-3551

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS



SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE
USE, \$300

RETURN
TO



GG-P.G. "4" #1

Print Sender's name, address, and ZIP Code in the space below.

SANTA FE ENERGY CO.
500 W. Illinois - 5th Floor
MIDLAND, TX 79701

● **SENDER:** Complete Items 1 and 2 when additional services are desired, and complete Items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the addressee to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210	4. Article Number P 3574 137 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED .
5. Signature — Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X <i>Mike Burch</i>	
7. Date of Delivery <i>08-28-90</i>	

Submit to Appropriations
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-162
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer 00, Aramis, NM 88210

DISTRICT III
1000 Rio Grande Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator SANTA FE ENERGY OPERATING PARTNERS LP			Lease P.G. 4 Federal		Well No. 1
Unit Letter C	Section 9	Township 23 South	Range 31 East	County Eddy	

Actual Footage Location of Well:

900	feet from the	North	line and	1980	feet from the	West	line
Ground level Elev. 3346.4	Producing Formation Morrow		Pool West Sand Dunes (Morrow)		Dedicated Acreage: 320 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or ballpoint marker on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☒ No If answer is "yes" type of consolidation one lease- see below
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, unitizing such interest, has been approved by the Division.

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Darrell Roberts

Printed Name

Darrell Roberts

Position

Senior Drilling Engineer

Company Santa Fe Energy

Operating Partners, L.P.

Date

September 17, 1990

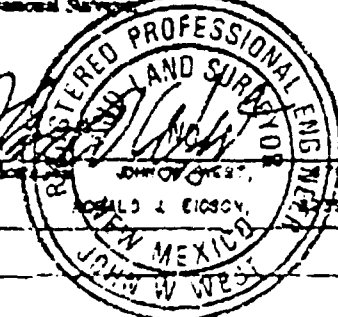
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

September 9, 1990

Signature & Seal of Professional Surveyor



Federal Lease: #NM-81953
W.I. Owners:
Santa Fe Energy Operating
Partners, L.P. - Et Al 100%

Royalty Owners:
U.S.A. - 12.5 %

NOTE: Bottom hole location
to be 660' FSL & 1980'
FWL of Sec. 4 T-23-S,
R-31-E.

BEFORE EXAMINER CATANAC

OIL CONSERVATION DIVISION

Santa Fe EXAMINER NO. 3

CASE NO. 10098

3355.4 3352.4

3347.0 3346.4

0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600

Santa Fe Energy Operating Partners, L.P.
P. G. "4" Federal No.1
Bottom Hole Location: 660' FSL & 1980' FWL, Sec. 4
Surface Location: 990' FNL & 1980' FWL, Sec. 9
T-23S, R-32E, Eddy County, New Mexico

Generalized Directional Drilling Procedure

1. Drill a 17 1/2" hole to 600' and set 13 3/8" casing, circulate cement to surface.
2. Drill a 12 1/4" hole to 4150' and set 9 5/8" casing, circulate cement to surface.
3. Run a Gyroscopic Survey on wireline while WOC.
4. Drill out with an 8 3/4" bit and a non-magnetic drill collar in the BHA, keeping wellbore as near vertical as possible, will drop a Multishot Survey at 6000' and survey back to 9 5/8" to establish a bottom hole location at KOP.
5. Pick up Deflecting Assembly No. 1 consisting of : 6 1/2" Slow-Speed mud motor, 8 3/4" 3-type insert bit and 1.5 deg. deflecting sub back to non-magnetic drill collars and BHA.
6. Orient Deflecting Assembly with a surface readout steering tool to the desired azimuth, (North), drill with Deflecting Assembly until 5-6 deg of inclination and correct azimuth has been achieved.
7. TOH for conventional fulcrum assembly consisting of: 8 3/4" 3-type insert bit w/ extension sub, 8 3/4" near bit stabilizer, non-magnetic drill collars, one steel drill collar, string stabilizer, drill collars, 3-pt roller reamer, and drill pipe.
8. Drill with fulcrum assembly until maximum inclination has been achieved or a correction motor run is required.
9. Once maximum inclination and desired azimuth has been accomplished, a recommended lock-up assembly will be run to maintain trajectory.
10. A 30'-60' pendulum assembly will be utilized to start the trajectory down based on 1 deg/100' of drop.
11. With the wellbore at a TVD of 12,000' and near vertical, 7" intermediate casing will be run and cemented with a TOC at 8000'.
12. A 6 1/8" hole will be drilled vertically to a TVD of 15,000'. A 4 1/2" liner will be hung from the 7" intermediate casing and cemented in place.

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<i>Santa Fe</i>	EXHIBIT NO. <u>4</u>
CASE NO.	<u>10098</u>

SANTA FE ENERGY OPERATING PARTNERS, L.P.
P. G. "4" FEDERAL NO. 1
SEC 4-9, T23S, R31E, EDDY COUNTY, NEW MEXICO

PROPOSED DIRECTIONAL WELL PLAN
RADIUS OF CURVATURE METHOD

MEASURED	COURSE	INCL	DRIFT	TRUE	VERTICAL	DOGLEG
DEPTH	LENGTH	ANGLE	DIRECTION	VERTICAL	SECTION	SEVERITY
(FT)	(FT)	(DEG)	(DEG)	DEPTH	(FT)	(DEG/100')

6030.14	0.00	0.00	N 0.00 E	6030.14	0.00	0.00
6130.14	100.00	1.50	N 0.00 E	6130.13	1.31	1.50
6230.14	100.00	3.00	N 0.00 E	6230.05	5.23	1.50
6330.14	100.00	4.50	N 0.00 E	6329.83	11.77	1.50
6430.14	100.00	6.00	N 0.00 E	6429.41	20.92	1.50
6530.14	100.00	7.50	N 0.00 E	6528.71	32.68	1.50
6630.14	100.00	9.00	N 0.00 E	6627.68	47.03	1.50
6730.14	100.00	10.50	N 0.00 E	6726.23	63.96	1.50
6830.14	100.00	12.00	N 0.00 E	6824.30	83.47	1.50
6930.14	100.00	13.50	N 0.00 E	6921.84	105.54	1.50
7030.14	100.00	15.00	N 0.00 E	7018.76	130.15	1.50
7130.14	100.00	16.50	N 0.00 E	7115.00	157.30	1.50
7230.14	100.00	18.00	N 0.00 E	7210.50	186.95	1.50
7330.14	100.00	19.50	N 0.00 E	7305.19	219.09	1.50
7363.47	33.33	20.00	N 0.00 E	7336.56	230.36	1.50
10240.81	2877.34	20.00	N 0.00 E	10040.28	1214.47	0.00
10340.81	100.00	19.00	N 0.00 E	10134.94	1247.95	1.00
10440.81	100.00	18.00	N 0.00 E	10229.47	1279.58	1.00
10540.81	100.00	17.00	N 0.00 E	10324.84	1309.65	1.00
10640.81	100.00	16.00	N 0.00 E	10420.72	1338.05	1.00
10740.81	100.00	15.00	N 0.00 E	10517.08	1364.77	1.00
10840.81	100.00	14.00	N 0.00 E	10613.90	1389.81	1.00
10940.81	100.00	13.00	N 0.00 E	10711.13	1413.15	1.00
11040.81	100.00	12.00	N 0.00 E	10808.76	1434.90	1.00
11140.81	100.00	11.00	N 0.00 E	10906.75	1454.73	1.00
11240.81	100.00	10.00	N 0.00 E	11005.08	1472.96	1.00
11340.81	100.00	9.00	N 0.00 E	11103.70	1489.46	1.00
11440.81	100.00	8.00	N 0.00 E	11202.60	1504.24	1.00
11540.81	100.00	7.00	N 0.00 E	11301.75	1517.29	1.00
11640.81	100.00	6.00	N 0.00 E	11401.10	1528.61	1.00
11740.81	100.00	5.00	N 0.00 E	11500.64	1538.20	1.00
11840.81	100.00	4.00	N 0.00 E	11600.33	1546.04	1.00
11940.81	100.00	3.00	N 0.00 E	11700.14	1552.15	1.00
12040.81	100.00	2.00	N 0.00 E	11800.05	1556.51	1.00
12140.81	100.00	1.00	N 0.00 E	11900.01	1559.13	1.00
12240.81	100.00	0.01	N 0.00 E	12000.00	1560.00	0.99
15240.81	3000.00	0.01	N 0.00 E	15000.00	1560.24	0.00

1.00	BEFORE EXAMINER CATANACH
1.00	OIL CONSERVATION DIVISION
1.00	EXHIBIT NO. <u>5</u>
1.00	CASE NO. <u>10098</u>