



STATE OF
COLORADO

**OIL &
GAS**

CONSERVATION COMMISSION



02470271

Operator # 96701

DEPARTMENT OF NATURAL RESOURCES

Roy Romer, Governor

1120 Lincoln St., Suite 801

Denver, CO 80203

Phone: (303) 894-2100

FAX: (303) 894-2109

FACSIMILE COVER SHEET

DATE:

9/18/95

TO:

Lee Gooding

COMPANY:

Williams Field Services

FAX :

801-584-7760

FROM:

Debbie Baldwin

PAGES INCLUDING THIS COVER

5

MESSAGE:

① Cover letter to North West

~~3 pages~~

② 3 page list of deep bed cathodic
protection holes from 1989 survey

Thanks for your prompt response

DEPARTMENT OF NATURAL RESOURCES: James S. Lochhead, Executive Director

COGCC COMMISSION: Caroline Blackwell, Allan Heinle, Bruce Johnson, Logan MacMillan, Mike Matheson, Claudia Rebne, Maria Williams

COGCC STAFF: Richard T. Griebing, Director, Brian J. Macke, Deputy Director, Morris Bell, Manager of Engineering

Patricia C. Beaver, Manager, Environmental & Commission Affairs, Marnan Peacock, Manager of Information



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August 29, 1995

Northwest Pipeline Corp.

Attn: Mr. F.M. Semple

P.O. Box 58900

Salt Lake City, UT 84108-0900

RE: Cathodic Protection Hole Survey
Ignacio-Blanco Field

Dear Mr. Semple:

In February 1989 the Colorado Oil and Gas Conservation Commission (COGCC), with your cooperation, conducted an inventory of the deep bed, cathodic protection holes that have been installed to protect some oil and gas wells in the Ignacio-Blanco Field. As a result of that inventory, a number of these holes were identified which were impacting both shallow ground water and surface waters. At that time, the problem holes were remediated by the operator.

To ensure continued protection of water resources and to update our records, the COGCC is requiring that you submit to this office, within 30 days, a Sundry Notice, COGCC Form 4 containing any of the following information regarding cathodic protection holes:

- If you have no cathodic protection holes, then simply state this on the Form 4.
- If our records show that you had cathodic protection holes, then a list of these holes is included with this letter. Please review the list for its accuracy and completeness with respect to your cathodic protection holes and submit any corrections to this list on a Form 4.
- If you have cathodic protection holes **constructed since the 1989 inventory or existing cathodic protection holes which, for whatever reason, were not included in the 1989 survey**, then provide the following information, as available, on a Form 4 for each hole:
 - associated gas well number
 - location, including quarter, quarter, section, township, and range
 - total depth
 - subsurface geology (driller's log)
 - completion methods
 - depths and thickness of water zones
 - type and amount of coke breeze used
 - depths of anodes
 - construction of vent pipe

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1989 CATHODIC PROTECTION HOLE SURVEY

OPERATOR	WELL NAME	COUNTY	DATE	INSTID	SECTION	TWNSHIP	RANGE	QTRQTR	ELEV	GRND	TD	DIAMETER	DEPTH H2O 1	DEPTH H2O 2
North	Bondad 33-10 #10 MV	La Plata	08/22/86		12	33N	10W	NW SE		0	500.0	0.000	24.00	0.00
North	Bondad 33-10 #16 MV	La Plata	08/20/86		2	33N	10W	SW SE		0	500.0	0.000	60.00	0.00
North	Bondad 33-10 #17 MV	La Plata	09/01/87		14	33N	10W	NW SE		0	500.0	0.000	20.00	0.00
North	Bondad 33-10 #18 MV	La Plata	08/20/86		36	33N	10S	NW SE		0	500.0	0.000	30.00	0.00
North	Bondad 33-10 #2 MV	La Plata	01/01/86		34	33N	10W	SW NW		0	500.0	0.000	120.00	0.00
North	Bondad 33-10 #20 MV	La Plata	09/01/87		14	33N	10W	SW NW		0	500.0	0.000	75.00	0.00
North	Bondad 33-10 #23 MV	La Plata	09/10/87		15	33N	10W	NE SE		0	500.0	0.000	40.00	0.00
North	Bondad 33-10 #24 DK	La Plata	08/22/88		36	33N	10W	NE SE		0	500.0	0.000	40.00	0.00
North	Bondad 33-10 #3 MV	La Plata	08/20/86		25	33N	10W	NW NE		0	500.0	0.000	60.00	0.00
North	Bondad 33-10 #4 MV	La Plata	07/30/87		3	33N	10W	SE SE		0	500.0	0.000	50.00	0.00
North	Bondad 33-10 #5 MV	La Plata	08/20/86		11	33N	10W	NW SE		0	500.0	0.000	80.00	0.00
North	Bondad 33-10 #6 MV	La Plata	08/20/86		36	33N	10W	SE NW		0	500.0	0.000	90.00	0.00
North	Bondad 33-10 #7 MV	La Plata	08/22/86		13	33N	10W	NW NW		0	500.0	0.000	26.00	0.00
North	Bondad 33-10 #8 MV	La Plata	05/12/86		28	33N	10W	NW NE		0	500.0	0.000	60.00	0.00
North	Bondad 33-9 #1 DK	La Plata	08/21/86		14	33N	9W	SW NW		0	500.0	0.000	80.00	0.00
North	Bondad 33-9 #10 MV	La Plata	08/22/86		4	33N	9W	SE NW		0	500.0	0.000	30.00	0.00
North	Bondad 33-9 #11 MV	La Plata	07/22/87		10	33N	9W	NE SE		0	500.0	0.000	75.00	0.00
North	Bondad 33-9 #13 MV	La Plata	08/22/86		6	33N	9W	SE SE		0	500.0	0.000	60.00	0.00
North	Bondad 33-9 #14 MV	La Plata	08/22/86		18	33N	9W	SE NW		0	500.0	0.000	36.00	0.00
North	Bondad 33-9 #15 MV	La Plata	08/16/88		24	33N	9W	SW NW		0	500.0	0.000	100.00	0.00
North	Bondad 33-9 #17 MV	La Plata	08/22/86		7	33N	9W	NE SE		0	500.0	0.000	40.00	0.00
North	Bondad 33-9 #18 MV	La Plata	08/22/86		30	33N	9W	NW SE		0	500.0	0.000	160.00	0.00
North	Bondad 33-9 #19 MV	La Plata	10/30/84		12	33N	9W	SE SE		0	500.0	0.000	190.00	0.00
North	Bondad 33-9 #19A MV	La Plata	08/12/88		12	33N	9W	NE SW		0	500.0	0.000	60.00	0.00
North	Bondad 33-9 #22 MV	La Plata	02/28/86		2	33N	9W	NE SE		0	500.0	0.000	70.00	0.00
North	Bondad 33-9 #23 MV	La Plata	08/22/86		18	33N	9W	NW SE		0	500.0	0.000	60.00	0.00
North	Bondad 33-9 #24 MV	La Plata	08/08/87		6	33N	9W	NW NW		0	500.0	0.000	140.00	0.00
North	Bondad 33-9 #25 MV	La Plata	08/22/86		14	33N	9W	SE NW		0	500.0	0.000	50.00	0.00
North	Bondad 33-9 #3 MV	La Plata	09/20/87		8	33N	9W	SW SE		0	500.0	0.000	60.00	0.00
North	Bondad 33-9 #31 MV	La Plata	01/01/00		19	33N	9W	SW NW		0	500.0	0.000	40.00	0.00
North	Bondad 33-9 #32 MV	La Plata	09/20/87		8	33N	9W	SE SE		0	500.0	0.000	60.00	0.00
North	Bondad 33-9 #33 MVDK	La Plata	08/21/86		13	33N	9W	NW SE		0	500.0	0.000	230.00	0.00
North	Bondad 33-9 #34 MV	La Plata	08/22/88		19	33N	9W	NW SE		0	500.0	0.000	100.00	0.00
North	Bondad 33-9 #6 MV	La Plata	08/22/86		7	33N	9W	SW NE		0	500.0	0.000	60.00	0.00
North	Bondad 33-9 #7 MV	La Plata	08/21/86		13	33N	9W	SE NW		0	500.0	0.000	40.00	0.00
North	Bondad 33-9 #8 MV	La Plata	08/22/86		19	33N	9W	NW SE		0	500.0	0.000	30.00	0.00
North	Bondad 33-9 #9 MV	La Plata	08/18/88		23	33N	9W	SW SW		0	500.0	0.000	60.00	0.00
North	Carr #1 MV	La Plata	08/21/86		20	33N	9W	SE NW		0	500.0	0.000	180.00	0.00
North	Carr #1M MV/DK	La Plata	08/21/86		20	33N	9W	SE SW		0	500.0	0.000	220.00	0.00
North	Colorado 32-7 #11 MV	La Plata	08/10/88		3	32N	7W	SW NE		0	500.0	0.000	60.00	0.00

PLEASE CORRECT ERRONEOUS/MISSING INFORMATION

189 CATHODIC PROTECTION HOLE SURVEY

ERATOR WELL NAME	COUNTY	DATE INSTLD	SECTION	TWNSHIP	RANGE	QTRQTR	ELEV GRND	TD	DIAMETER	DEPTH H2O 1	DEPTH H2O 2
Docar #1 MV	La Plata	01/12/86	26	33N	8W	SE NW	0	500.0	0.000	75.00	0.00
Docar #1A MV	La Plata	10/08/84	26	33N	8W	SE SW	0	500.0	0.000	240.00	0.00
Docar #2 MV	La Plata	10/09/84	26	33N	8W	NW NW	0	500.0	0.000	200.00	0.00
Docar #2A MV	La Plata	01/08/86	26	33N	8W	NE NE	0	500.0	0.000	250.00	0.00
Ignacio 33-7 #1 DK	La Plata	07/21/88	18	33N	7W	SE NE	0	500.0	0.000	60.00	0.00
Ignacio 33-7 #10 MVD	La Plata	01/10/86	27	33N	7W	SE NW	0	500.0	0.000	30.00	0.00
Ignacio 33-7 #12 MV	La Plata	09/07/87	29	33N	7W	SE NW	0	500.0	0.000	80.00	0.00
Ignacio 33-7 #14 DK	La Plata	01/15/86	20	33N	7W	SE NW	0	500.0	0.000	350.00	0.00
Ignacio 33-7 #18 DK	La Plata	09/22/87	16	33N	7W	NE SW	0	500.0	0.000	60.00	0.00
Ignacio 33-7 #2 MV	La Plata	06/22/88	20	33N	7W	SW NE	0	500.0	0.000	50.00	0.00
Ignacio 33-7 #23 MV	La Plata	06/22/88	18	33N	7W	NE SE	0	500.0	0.000	60.00	0.00
Ignacio 33-7 #3 MV	La Plata	07/29/88	34	33N	7W	NE SE	0	500.0	0.000	80.00	0.00
Ignacio 33-7 #4 MV	La Plata	09/18/87	17	33N	7W	SE NW	0	500.0	0.000	135.00	0.00
Ignacio 33-7 #6 MV	La Plata	08/11/88	21	33N	7W	SE NW	0	500.0	0.000	60.00	0.00
Ignacio 33-7 #7 MV	La Plata	12/21/85	7	33N	7W	NW SE	0	500.0	0.000	210.00	0.00
Ignacio 33-7 #9 MV	La Plata	09/22/87	16	33N	7W	NW NW	0	500.0	0.000	60.00	0.00
Ignacio 33-7#10E MVD	La Plata	09/20/87	27	33N	7W	SW SE	0	500.0	0.000	80.00	0.00
Ignacio 33-7#11 MVDK	La Plata	07/22/87	19	33N	7W	SE NW	0	500.0	0.000	110.00	0.00
Ignacio 33-7#17 MVDK	La Plata	01/11/86	21	33N	7W	NW SE	0	500.0	0.000	20.00	0.00
Ignacio 33-7#4E MVDK	La Plata	01/12/86	17	33N	7W	NW NW	0	500.0	0.000	100.00	0.00
Ignacio 33-8 #1 DK	La Plata	12/20/85	12	33N	8W	NE SW	0	500.0	0.000	160.00	0.00
Ignacio 33-8 #10 MV	La Plata	01/13/86	2	33N	8W	SE NW	0	500.0	0.000	80.00	0.00
Ignacio 33-8 #14 MV	La Plata	07/14/87	15	33N	8W	SW NW	0	500.0	0.000	110.00	0.00
Ignacio 33-8 #2 MV	La Plata	06/22/88	1	33N	8W	NE SW	0	500.0	0.000	80.00	0.00
Ignacio 33-8 #3 MV	La Plata	01/14/86	2	33N	8W	NW SE	0	500.0	0.000	140.00	0.00
Ignacio 33-8 #4 DK	La Plata	07/27/88	13	33N	8W	SW NE	0	500.0	0.000	60.00	0.00
Ignacio 33-8 #6 MV	La Plata	01/17/86	4	33N	8W	SE SE	0	500.0	0.000	20.00	0.00
Ignacio 33-8 #8 MV	La Plata	07/25/87	1	33N	8W	SE SE	0	500.0	0.000	30.00	0.00
Ignacio 33-8#17 MKDK	La Plata	12/22/85	11	33N	8W	NW SE	0	500.0	0.000	20.00	0.00
Ignacio 33-8#21 MVDK	La Plata	07/26/88	13	33N	8W	NE NW	0	500.0	0.000	80.00	0.00
Ignacio 33-8#22 MVDK	La Plata	05/05/88	13	33N	8W	NE SE	0	500.0	0.000	80.00	0.00
Ignacio 33-8#5 MV/DK	La Plata	07/24/87	10	33N	8W	NE SW	0	500.0	0.000	55.00	0.00
Ignacio 33-7#13 MVDK	La Plata	09/18/87	28	33N	7W	SE NW	0	500.0	0.000	60.00	0.00
Martinez #1 DK	La Plata	08/16/88	24	33N	9W	SE NW	0	500.0	0.000	100.00	0.00
McCarthy #1 DK	La Plata	08/19/88	23	33N	9W	SW NW	0	500.0	0.000	40.00	0.00
NMCH 32-10 #1 MV	La Plata	08/05/87	18	32N	10W	SW SW	0	500.0	0.000	75.00	0.00
NMCH 32-10 #10 MV	La Plata	07/20/87	8	32N	10W	SW SW	0	500.0	0.000	70.00	0.00
NMCH 32-10 #12 MV	La Plata	07/16/87	23	32N	10W	NW NW	0	500.0	0.000	60.00	0.00
NMCH 32-10 #13 MV	La Plata	07/29/87	7	32N	10W	SW SW	0	500.0	0.000	100.00	0.00
NMCH 32-10 #14 MV	La Plata	07/16/87	8	32N	10W	NW NE	0	500.0	0.000	240.00	0.00

PLEASE CORRECT ERRONEOUS/MISSING INFORMATION

89 CATHODIC PROTECTION HOLE SURVEY

ERATOR WELL NAME	COUNTY	DATE INSTLD	SECTION	TOWNSHIP	RANGE	QTRQTR	ELEV GRND	TD	DIAMETER	DEPTH H2O 1	DEPTH H2O 2
rch NWCH 32-10 #15 MV	Ia Plata	09/10/87	7	32N	10W	SW NE	0	500.0	0.000	80.00	0.00
rch NWCH 32-10 #16 MV	Ia Plata	07/29/87	17	32N	10W	NW NE	0	500.0	0.000	90.00	0.00
rch NWCH 32-10 #17 MV	Ia Plata	07/29/87	18	32N	10W	NW NE	0	500.0	0.000	130.00	0.00
rch NWCH 32-10 #2 MV	Ia Plata	08/05/87	20	32N	10W	NW SW	0	500.0	0.000	110.00	0.00
rch NWCH 32-10 #3 MV	Ia Plata	07/13/87	20	32N	10W	SE NE	0	500.0	0.000	120.00	0.00
rch NWCH 32-10 #4 MV	Ia Plata	07/29/87	17	32N	10W	NE SW	0	500.0	0.000	80.00	0.00
rch NWCH 32-10 #5 MV	Ia Plata	07/14/87	21	32N	10W	SW NE	0	500.0	0.000	195.00	0.00
rch NWCH 32-10 #6 MV	Ia Plata	06/29/87	22	32N	10W	NW SW	0	500.0	0.000	60.00	0.00
rch NWCH 32-10 #7 MV	Ia Plata	08/23/88	12	32N	10W	NE NE	0	500.0	0.000	33.00	0.00
rch NWCH 32-10 #8 MV	Ia Plata	07/20/78	10	32N	10W	NW NE	0	500.0	0.000	150.00	0.00
rch NWCH 32-10 #9 MV/PC	Ia Plata	09/01/87	19	32N	10W	NE SW	0	500.0	0.000	140.00	0.00
rch NWCH 32-10#18 MV/PC	Ia Plata	08/03/88	20	32N	10W	NW NW	0	500.0	0.000	40.00	0.00
rch Spatcer #2 MV	Ia Plata	03/27/86	31	33N	9W	SE NW	0	500.0	0.000	20.00	0.00
rch Spatcer #3 MV	Ia Plata	03/28/86	31	33N	9W	NW SE	0	500.0	0.000	60.00	0.00
rch Tiffany #2 MV	Ia Plata	09/20/87	35	33N	7W	NE NE	0	500.0	0.000	70.00	0.00
rch Tiffany #2M MV/DK	Ia Plata	09/14/87	35	33N	7W	NE NW	0	500.0	0.000	60.00	0.00

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