

JUL 27 1998 PM 3:35

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WILLIAM K. STRATVERT, COUNSEL
PAUL W. ROBINSON, COUNSEL
RALPH WM. RICHARDS, COUNSEL
ROSS B. PERKAL, COUNSEL

PLEASE REPLY TO SANTA FE

July 27, 1998

HAND-DELIVERED

Michael Condon, Esq.
Gallegos Law Firm
460 St. Michaels Drive, Building 300
Santa Fe, New Mexico 87505

Re: NMOCD Case No. 11996; Application of Pendragon Energy Partners, Inc. and
J.K. Edwards Associates, Inc., San Juan County, New Mexico

Dear Michael:

Enclosed herein are copies of pumper's reports and hauler's invoices reflective of water
production for the following wells:

Chaco #1; Chaco #1J; Chaco #2J; Chaco #2R; Chaco #4; Chaco #5; and Lansdale Federal #1.

Also enclosed are the Sundry Notices and Reports on the subject wells.

Very truly yours,
MILLER, STRATVERT & TORGERSON, P. A.

J. Scott Hall
J. Scott Hall, Esq.

JSH/mg

Enclosures

cc: Rand Carroll, Esq., NMOCD (w/o encls.)
Al Nicol, Pendragon Energy Partners, Inc. (w/o encls.)
Keith Edwards, J. K. Edwards Associates, Inc. (w/o encls.)

BEFORE EXAMINER CATANACH

OIL CONSERVATION DIVISION

W/M EXHIBIT NO. 57

CASE NO. 11996 *MSE*

Walsh Engineering & Production Well Report

RECEIVED

MAR - 6 1998

Date: 2/98
 Oper: PENDRAGON ENERGY PARTNERS
 Well: Chaco #1

Coeff: 7.71
 Range: 100
 Spring: 250
 Plate: 0.875
 Hrs On: _____
 Hrs Off: _____

PENDRAGON ENERGY
PARTNERS, INC.

<u>Pressure</u>				<u>Meter</u>			Remarks
Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	
1				2.8	5.0	108	
2				2.8	5.0	108	
3				2.5	5.1	98	
4				2.5	5.1	98	
5				2.5	5.2	100	
6				2.3	5.1	90	
7				2.3	5.1	90	
8				2.2	5.3	90	
9				2.3	5.0	89	
10				2.3	5.0	89	
11				2.0	5.3	82	
12				1.8	5.6	78	
13				1.9	5.3	78	
14				1.8	5.0	69	
15				1.8	5.0	69	
16				1.8	5.0	69	
17				1.8	5.0	69	
18		48	95	1.8	5.0	69	
19				1.8	5.0	69	
20				1.8	5.0	69	
21				1.7	5.0	66	
22				1.5	5.0	58	
23				1.5	5.1	59	
24		60	98	1.5	5.4	62	
25				1.3	5.3	53	
26				1.3	5.0	50	
27				1.3	4.9	49	
28				1.0	4.9	38	
29						0	
30						0	
31						0	
Total MCFD:						2119	

Additional Remarks:

**Walsh Engineering & Production
Well Report**

Walsh Engineering & Production Well Report

Date: 3/98Oper: PENDRAGON ENERGY PARTNERSWell: Chaco #1Coeff: 7.71Range: 100Spring: 250Plate: 0.875Hrs On: Hrs Off: **Pressure****Meter**

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks		
1				1.0	4.8	37			
2				1.0	4.8	37			
3				1.0	4.9	38	Lay hose, blow well-pit		
4				0.0	5.0	0	Put well back on line		
5				2.8	5.3	114			
6				2.3	5.3	94			
7				2.0	5.2	80			
8				1.8	5.1	71			
9				1.8	4.8	67			
10				1.5	5.1	59			
11		49	94	1.3	5.5	55	Open well to pit		
12				0.5	5.0	19			
13				0.5	5.0	19			
14				4.8	5.4	200			
15				4.9	5.4	204			
16				5.0	5.4	208	12	110	2000
17				5.0	5.5	212	12	110	2000
18				5.1	5.6	220	8	115	2300
19				5.1	5.6	220	8	115	2300
20				5.2	5.7	229	10	115	2300
21				5.3	5.7	233			
22				5.3	5.8	237			
23				5.2	5.7	229	14	105	1700
24				5.2	5.7	229	10	115	2200
25		11		5.5	5.9	250	11	110	2300
26				5.5	5.9	250	11	110	2300
27				5.4	5.9	246	11	115	2300
28				5.7	5.5	242			
29				5.7	5.5	242			
30				5.8	5.4	241	8	113	2300
31				5.7	5.4	237	10	113	2300

Total MCFD: 4819**Additional Remarks:**

3/13 - Set compressor and start up
 3/17 - Speed up to 2200 RPM
 3/23 - Call Hanover - 1700 RPM max.

Walsh Engineering & Production Well Report

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: APRIL 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #1

CO-EFF: 7.71

RANGE: 100

SPRING: 250

PLATE: .875

HRS ON HRS OFF

		<u>PRESSURE</u>		<u>METER</u>				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				5.9	5.1	246		
2				5.9	5.1	246		
3				5.8	5.4	241		9 115 2300
4				5.9	5.5	250		
5				5.7	5.5	242		
6				1.0	0.8	68		Restart
7				5.8	5.6	250		12 100 2100
8				5.6	5.6	242	29 3/4	12 100 2100
9				5.8	5.6	250		
10				5.7	5.6	246		
11				5.8	5.6	250		
12				6.0	5.5	254		
13				5.9	5.5	250		10 100 2300
14				5.8	5.7	255		10 110 2300
15				5.8	5.7	255	35 3/4	10 100 2300
16				5.7	5.7	250		10 105 2300
17				5.6	5.7	246		10 105 2300
18				5.6	5.8	250		
19				5.6	5.6	242		
20				5.3	6.4	242		10 95 2300
21				5.9	5.5	250		10 100 2300
22				5.7	5.5	250	24 3/4	12 130 2300
23				5.7	5.8	255		10 95 2300
24				5.8	5.7	255		10 100 2300
25				5.7	5.7	250		
26				5.7	5.7	250		
27				5.6	5.7	246		10 98 2300
28				5.7	5.7	250		10 98 2300
29				4.5	3.6	194	24 3/4	Clutchant - Call Haver
30				5.6	5.7	246		10 98 2300
31								

REMARKS: *8th spool unit to 2200 RPM 14th Blow drip 7245*

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MAY 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #1

CO-EFF: 7.71

RANGE: 100

SPRING: 250

PLATE: .875

HRS ON HRS OFF

PRESSURE				METER				REMARKS
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	
1				5.5	5.8	246		10 98 230
2				5.5	5.8	246		
3				5.5	5.8	246		
4				5.5	5.8	246		
5				5.4	5.6	242		11 105 226
6				5.6	5.6	242	21 3/4	11 105 226
7				5.6	5.7	246		10 100 230
8				5.4	6.0	250		10 100 230
9				5.6	5.8	250		
10				5.6	5.8	250		
11				5.6	5.8	250		10 100 230
12				5.6	5.8	250		10 100 230
13				5.5	5.8	246	21 3/4	10 100 230
14				5.5	5.8	246		10 100 230
15				5.5	5.8	246		10 100 230
16				5.5	5.8	246		
17				5.5	5.8	246		
18				5.5	5.8	246		10 100 230
19				5.3	6.0	245		9 100 230
20				5.3	6.0	245	21 3/4	9 100 230
21				5.3	6.1	249		10 100 230
22				5.5	5.8	246		9 98 230
23				5.4	5.8	241		
24				5.4	5.8	241		
25				5.4	5.6	233		
26				5.3	5.6	229	21 3/4	9 100 230
27				5.5	5.5	233		12 130 210
28				5.2	6.2	249		10 100 230
29				5.4	5.7	237		10 100 230
30				5.6	5.5	237		
31				5.6	5.5	237		

7562

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: JUNE 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #1

CO-EFF: 7.71

RANGE: 100

SPRING: 250

PLATE: .875

HRS ON HRS OFF

DATE	LINE	PRESSURE		METER		MCF	WTR	REMARKS
		TUBING	CASING	DIFF.	STAT.			
1				5.16	5.3	229		10-100-2300
2				5.4	5.5	229		Rig on Hole - Rest
3				3.1	5.3	127	0 8/p	Rest - Low Section
4				3.8	5.4	158		4 105 2180
5				4.2	5.7	185		4 105 2180
6				4.4	5.7	193		
7				4.5	5.7	198		
8				4.7	5.7	207		5 90 2200
9				5.0	5.5	212		5 90 2200
10				5.1	5.5	216	21 8/p	5 90 2300
11				5.2	5.5	221		5 90 2300
12				5.2	5.5	221		5 90 2300
13				5.2	5.5	221		
14				5.2	5.6	225		
15				5.2	5.5	221		5 90 2300
16				0	5.5	0		
17				0	5.5	0	0	
18				0	5.6	0		open well
19				3.0	5.3	204		
20				3.8	5.4	158		
21				3.4	5.6	147		
22				3.3	5.6	142		
23				3.2	5.5	136		
24				3.0	5.9	136	0	
25				2.8	5.5	119		look up comp. start
26				4.4	5.6	190		9 90 1800 up
27				4.5	5.7	198		
28				4.5	5.8	201		
29				4.4	6.12	210		13 90 1800
30				4.7	6.3	228		Close well in
31								

5130

REMARKS: *4th cleaning adjust day*
15th close well in for test
26th open up to 2100 RPM
27th open up to 2200 RPM



INVOICE

INVOICE NO.

29770

A

WATER & OILFIELD HEAVY HAULING

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

RECEIVED

JUL 18 1998

PENDRAGON ENERGY
PARTNERS, INC.

ACCOUNT NO.

01422

INVOICE DATE

06/30/98

PAGE

1

JOB NO: 29770

FROM: CHACO 1

TO: CHACO 1

DESCRIPTION		BBLS	DATE	FREIGHT BILL NO.	AMOUNT
TRANSFER PRODUCED WATER		80	6/09/98	130738	68.2
TRANSFER PRODUCED WATER		80	6/14/98	130763	68.2
		5.625 % SALES TAX			7.6
SUMMARY:		BBLS			
TRUCKING W/TAX:	160	144.18	=	.90	PER BBL
DISPOSAL W/TAX:		.00	=	.00	PER BBL
TOTAL :	160	144.18	=	.90	PER BBL.

✓

7/20/98

SUB 612

400203

7/20/98

SUB 12
400203

Not Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

**TOTAL
AMOUNT DUE**

144.18



INVOICE

INVOICE NO.

27177

WATER & OILFIELD HEAVY HAULING

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

ACCOUNT NO.

01422

INVOICE DATE

03/31/98

PAGE

1

RECEIVED

APR 14 1998

PENDRAGON ENERGY
PARTNERS, INC.

TO: *Proction A-1*
CHACO 1

JOB NO: 27177

M: CHACO 1

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
TRANSFER PRODUCED WATER	80	3/12/98	80404	68.2
TRANSFER PRODUCED WATER	80	3/14/98	80407	68.2
TRANSFER PRODUCED WATER	80	3/15/98	80415	68.2
TRANSFER PRODUCED WATER	80	3/17/98	80426	68.2
TRANSFER PRODUCED WATER	80	3/21/98	80442	68.2
TRANSFER PRODUCED WATER	80	3/25/98	80470	68.2
TRANSFER PRODUCED WATER	80	3/28/98	80484	91.0
TRANSFER PRODUCED WATER	80	3/30/98	80494	68.2
5.625 % SALES TAX				32.0

SUMMARY: BBLS

TRUCKING W/TAX:	640	600.75	=	.94	PER BBL
DISPOSAL W/TAX:		.00	=	.00	PER BBL
TOTAL :	640	600.75	=	.94	PER BBL.

SU612
400203

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

**TOTAL
AMOUNT DUE**

600.7

ORIGINAL



WATER & OILFIELD HEAVY HAULING

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

JOB NO: 27984

FROM: CHACO #1

TO: CHACO #1

INVOICE

INVOICE NO:

27984

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

RECEIVED

MAY 14 1998

PENDRAGON ENERGY
PARTNERS, INC.

ACCOUNT NO.

01422

INVOICE DATE

04/30/98

PAGE

1

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
PRODUCED WATER	80	4/25/98	52114	68.2
PRODUCED WATER	80	4/28/98	52134	68.2
PRODUCED WATER	80	4/01/98	73787	68.2
PRODUCED WATER	80	4/04/98	78700	113.75
PRODUCED WATER	80	4/11/98	78733	68.2
PRODUCED WATER	80	4/14/98	78755	68.2
PRODUCED WATER	80	4/16/98	78769	68.25
PRODUCED WATER	80	4/20/98	78793	113.75
5.625 % SALES TAX				35.84
SUMMARY:				
BBLS				
TRUCKING W/TAX:	640	672.84	=	1.05 PER BBL
DISPOSAL W/TAX:		.00	=	.00 PER BBL
TOTAL :	640	672.84	=	1.05 PER BBL.
56612 400203				
Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days. Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as stated on the reverse side apply.				
TOTAL AMOUNT DUE				672.84



INVOICE

INVOICE NO.

28791

A

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

WATER & OILFIELD HEAVY HAULING

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

ACCOUNT NO.

01422

INVOICE DATE

05/31/98

PAGE

1

RECEIVED

JUN 15 1998

PENDRAGON ENERGY
PARTNERS, INC.

JOB NO: 28791

OM:

CHACO #1

TO:

CHACO #1

Printer A-1

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
TRANSFER PRODUCED WATER	80	5/17/98	130639	68.
TRANSFER PRODUCED WATER	80	5/21/98	130663	68.
TRANSFER PRODUCED WATER	80	5/26/98	130674	68.
TRANSFER PRODUCED WATER	80	5/03/98	52162	68.
TRANSFER PRODUCED WATER	80	5/07/98	52191	113.
5.625 % SALES TAX				21.
SUMMARY:	BBLS			
TRUCKING W/TAX:	400	408.51	=	1.02 PER BBL
DISPOSAL W/TAX:		.00	=	.00 PER BBL
TOTAL :	400	408.51	=	1.02 PER BBL.

*OK
4/9/98*

54612
400203

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
All Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

**TOTAL
AMOUNT DUE**

408.

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: APRIL 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #1J

CO-EFF: .42

RANGE: 100

SPRING: 100

PLATE: .250

HRS ON HRS OFF

PRESSURE

METER

DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				1.5	8.6	5		
2				1.5	8.3	5		
3				1.5	8.3	5		
4				1.5	8.8	6		
5				1.3	9.2	5		
6				1.3	8.8	6		
7				1.5	8.8	6		
8		89	153	1.5	9.0	6	0	Master valves shut - open
9				1.5	8.9	6		
10				1.5	8.9	6		
11				1.3	8.6	5		
12				1.5	8.3	5		
13				1.5	8.4	5		
14				1.5	8.6	5		
15		62	154	1.5	8.8	6	0	
16				1.5	8.6	5		
17				1.5	8.6	5		
18				1.5	8.9	6		
19				1.3	8.7	5		
20				1.5	9.0	6		
21				1.5	8.8	6		
22		66	157	1.5	8.9	6	0	
23				1.5	8.9	6		
24				1.5	8.8	6		
25				1.5	8.8	6		
26				1.5	8.8	6		
27				1.5	8.8	6		
28				1.5	8.7	5		
29		62	154	1.5	8.7	5	0	
30				1.5	8.7	5		
31								

165

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MAY 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #1J

CO-EFF: .42

RANGE: 100

SPRING: 100

PLATE: .250

HRS ON HRS OFF

DATE	LINE	<u>PRESSURE</u>		<u>METER</u>		MCF	WTR	REMARKS
		TUBING	CASING	DIFF.	STAT.			
1				1.5	8.7	5		
2				1.5	8.7	5		
3				1.5	8.7	5		
4				1.5	8.7	5		
5				1.5	8.7	5		
6		06	157	1.5	8.7	5	0	
7				1.5	8.7	5		
8				1.5	8.7	5		
9				1.5	8.7	5		
10				1.5	8.7	5		
11				1.5	8.7	5		
12				1.5	8.7	5		
13		06	157	1.5	8.7	5	0	
14				1.5	8.7	5		
15				1.5	8.7	5		
16				1.5	8.7	5		
17				1.5	8.7	5		
18				1.5	8.7	5		
19				1.3	9.1	5		
20		71	157	1.3	9.1	5	0	
21				1.3	9.1	5		
22				1.3	9.0	5		
23				1.3	9.1	5		
24				1.3	9.0	5		
25				1.3	8.9	5		
26				1.3	8.9	5		
27		70	157	1.3	8.9	5	0	
28				1.3	9.2	5		
29				1.3	9.1	5		
30				1.3	9.1	5		
31				1.3	9.1	5		

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: JUNE 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Chaco #1J

CO-EFF: .42
 RANGE: 100
 SPRING: 100
 PLATE: .250
 HRS ON HRS OFF

DATE	LINE	PRESSURE		METER		MCF	WTR	REMARKS
		TUBING	CASING	DIFF.	STAT.			
1				1.0	9.0	4		
2				1.0	9.1	4		
3		57	157	1.0	9.4	4	0	
4				1.0	8.6	4		
5				1.0	8.7	4		
6				1.0	8.7	4		
7				1.0	8.7	4		
8				1.0	8.6	4		
9				1.0	8.6	4		
10		62	157	1.0	8.6	4	0	
11				1.0	8.5	4		
12				1.0	8.7	4		
13				1.0	8.9	4		
14				1.0	8.9	4		
15				1.0	8.8	4		Replace Red Pen
16				1.0	8.7	4		
17		62	158	1.0	8.8	4	0	
18				1.0	8.8	4		
19				1.0	8.8	4		
20				1.0	8.8	4		
21				3.5	9.3	14		
22				3.5	9.3	14		
23				6.4	9.3	25		
24		157	157	6.4	9.4	25	0	
25				1.0	9.2	4		Open well
26				1.5	9.2	6		
27				1.5	9.2	6		
28				1.5	9.2	6		
29				1.5	9.3	6		
30				1.5	9.3	6		Close well in
31								

REMARKS: *19th hook up comp. - blow well to pit* 184

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: APRIL 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Chaco #2J

CO-EFF: .89
 RANGE: 100
 SPRING: 100
 PLATE: .375
 HRS ON HRS OFF

PRESSURE

METER

DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				2.0	8.4	15		
2				2.0	8.3	13		
3				1.5	8.5	11		
4				2.2	8.7	17		
5				2.2	8.8	17		
6				2.0	8.2	16		
7				2.2	8.8	17		
8		17	106	2.2	8.9	17	0	
9				2.4	8.7	19		
10				2.1	8.8	16		
11				2.1	8.4	16		
12				2.4	8.1	18		
13				2.4	8.3	18		
14				2.4	8.4	18		
15		10	105	2.4	8.6	18	0	
16				2.1	8.6	18		
17				2.4	8.6	18		
18				2.4	8.7	19		
19				2.4	8.6	18		
20				2.2	8.9	17		
21				2.2	8.6	17		
22		18	105	2.2	8.9	17	0	
23				2.4	8.9	19		
24				2.4	8.8	19		
25				2.2	8.8	17		
26				2.2	8.7	17		
27				2.2	8.7	17		
28				2.2	8.6	17		
29		17	105	2.2	8.6	17	0	
30				2.2	8.7	17		
31								

517

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MAY 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #2J

CO-EFF: .89

RANGE: 100

SPRING: 100

PLATE: .375

HRS ON HRS OFF

DATE	LINE	<u>PRESSURE</u>		<u>METER</u>		MCF	WTR	REMARKS
		TUBING	CASING	DIFF.	STAT.			
1				2.0	8.7	15		
2				2.0	8.7	15		
3				2.0	8.7	15		
4				2.0	8.7	15		
5				2.0	8.7	15		
6		48	106	2.0	8.7	15	0	
7				2.0	8.7	15		
8				2.0	8.7	15		
9				2.0	8.7	15		
10				2.0	8.7	15		
11				2.0	8.7	15		
12				2.0	8.7	15		
13		10	98	2.2	8.7	17	0	Replace Rod per
14				2.2	8.7	17		
15				2.2	8.7	17		
16				2.2	8.7	17		
17				2.2	8.7	17		
18				2.2	8.7	17		
19				2.0	9.0	16		
20		22	98	2.0	9.0	16	0	
21				2.0	9.0	16		
22				1.7	8.9	13		
23				2.0	9.1	16		
24				1.7	8.9	13		
25				2.2	8.8	17		
26				2.2	8.8	17		
27		33	98	1.7	8.9	13	0	
28				1.7	9.2	14		
29				1.7	9.0	14		
30				1.7	9.1	14		
31				1.7	9.1	14		

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: JUNE 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Chaco #2J

CO-EFF: .89
 RANGE: 100
 SPRING: 100
 PLATE: .375
 HRS ON HRS OFF

PRESSURE

METER

DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				1.5	8.9	12		
2				1.5	9.0	12		
3		80	90	1.5	9.2	12	0	
4				1.5	8.6	11		
5				1.5	8.6	11		
6				1.5	8.6	11		
7				1.5	8.7	12		
8				1.5	8.6	11		
9				1.5	8.6	11		
10		28	100	2.4	8.3	17	0	
11				2.2	8.3	17		
12				2.0	8.6	15		
13				1.5	8.8	12		
14				1.5	8.8	12		
15				1.5	8.7	12		
16				1.8	8.7	14		
17		68	100	1.8	8.8	14	0	
18				1.8	8.8	14		
19				1.6	8.8	14		
20				1.6	8.8	14		
21				1.3	9.0	10		
22				1.3	9.0	10		
23				1.3	9.1	11		
24		68	99	1.3	9.2	11	0	
25				1.3	8.9	10		
26				1.3	8.9	10		
27				1.3	8.8	10		
28				1.3	8.9	10		
29				1.0	9.1	8		
30				1.0	8.7	8		Close well in
31								

358

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MARCH 1995OPERATOR: J. K. EDWARDS ASSOCIATESWELL NAME: Chaco #2R
 CO-EFF: 2.64
 RANGE: 100
 SPRING: 250
 PLATE: .275
 HRS ON OFF

PRESSURE

METER

DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	REMARKS
1							
2							
3							
4							
5							
6							
7		76	76				Well Shut in waiting on hookup
8							
9							
10							
11							
12							
13							
14							
15		104	104				
16							
17		104	104	4.0	4.2	18	turn well on 2:00 PM
18				3.5	4.2	40	
19				3.4	4.2	38	
20	33	34	102	3.4	4.2	38	0 H2O
21				3.4	4.6	41	
22				2.8	4.9	36	
23				2.5	5.0	33	Blew well overnight
24				2.5	5.0	112	put well to sales
25				6.0	5.1	81	
26				4.5	5.1	58	
27				4.0	4.7	50	
28				3.7	4.7	45	
29	43	43	106	3.0	4.7	37	
30				3.3	4.7	41	
31				3.3	4.7	41	

TOTAL

71.0

Walsh Engineering & Production

Well Report

1/96

J. K. Edwards Associates Inc.

Chaco #2R

Coeff:	<u>1.32</u>
Range:	<u>100</u>
Spring:	<u>250</u>
Plate:	<u>0.375</u>
Hrs On:	<u> </u>
Hrs Off:	<u> </u>

Pressure

Meter

Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
			0.0	4.9	0	
			0.0	4.9	0	CONTROLLER SUPP
			0.0	4.9	0	FROZEN - REPAIR
			0.0	4.9	0	SHUT WELL IN TO
			0.0	4.9	0	PRESSURE UP
			0.0	4.9	0	
			0.0	4.9	0	
			0.0	5.0	0	
			0.0	5.0	0	
	117	117	0.0	5.0	0	LOGGED OFF
			0.0	5.0	0	
			0.0	5.0	0	
			0.0	5.0	0	
			0.0	5.0	0	
			0.0	5.0	0	
			0.0	5.0	0	
			0.0	5.0	0	TRIED TO BLOW
			0.0	5.0	0	WELL - WOULD NOT
			0.0	5.0	0	UNLOAD
			0.0	5.0	0	
			0.0	5.0	0	
			0.0	5.0	0	
	117...	117	0.0	5.0	0	LOGGED OFF - BLO
					0	WELL OVERNIGHT
					0	WELL WOULD NOT
					0	UNLOAD - LOGGED
					0	OFF - LEFT WELL O
					0	
					0	
117	0	48			0	
Total MCFD:					<u>0</u>	

emarks:

Wal Engineering & Production Well Report

Date: 2/96

Oper: Pendragon Energy Partners, Inc.

Well: Chaco #2R

Coeff: 1.32

Range: 100

Spring: 250

Plate: 0.375

Hrs On: _____

Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1						0	Logged Off
2						0	
3						0	
4						0	
5						0	
6						0	
7						0	
8				0.0	4.7	0	Logged Off
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28			117	0.0		0	LOGGED OFF- OPEN
29						0	CASING VALVE TO
30						0	SALES LINE. PLACE
31						0	NEW CHART. WILL
Total MCFD:						0	INSTALL .250 PLATE

Additional Remarks:

Walsh Engineering & Production Well Report

Date: 3/96

Coeff: 1.32

Oper: Pendragon Energy Partners, Inc

Range: 100

Spring: 250

Well: Chaco #2R

Plate: 0.375

Hrs On:

Hrs Off:

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1				0.0	5.9	0	
2				0.0	5.9	0	
3				0.0	4.6	0	
4				0.0	4.6	0	
5				0.0	4.6	0	
6			40	0.0	4.5	0	
7				0.0	5.3	0	
8				0.0	5.1	0	
9				0.0	5.1	0	
10				0.0	5.0	0	
11				0.0	5.0	0	
12				0.0	5.0	0	
13		45	45	0.0	5.0	0	
14				0.0		0	
15				0.0		0	
16				0.0		0	
17				0.0		0	
18				0.0		0	
19				0.0		0	
20				0.0		0	
21				0.0		0	
22				0.0		0	
23						0	
24						0	
25						0	
26						0	SHUT WELL TO
27						0	PRESSURE UP
28						0	
29						0	
30						0	
31						0	

Total MCFD: 0

Additional Remarks:

Walsh Engineering & Production Well Report

Date: 7/96

Oper: Pendragon Energy Partners, Inc.

Well: Chaco #2R

Coeff: 1.32

Range: 100

Spring: 250

Plate: 0.375

Hrs On: _____

Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1						0	
2						0	
3						0	
4						0	
5						0	
6						0	
7						0	
8						0	
9						0	
10						0	
11		150	150			0	SET COMPRESSOR
12						0	NEED FUEL GAS LEG
13						0	BLOW TUB DOWN
14						0	
15		0	150			0	INSTALL FUEL GAS
16		0	124			0	LEGS - ST UNIT 34 BW
17		0	124			0	34 BW/D
18		0	124			0	SHUT COMP DOWN
19						0	30 BW/D
20						0	
21						0	
22						0	
23		0	128			0	comp down - well unloa
24						0	10-15 bw/d 10-15 mcf
25						0	unloading on its own
26						0	down H2O supply - blow
27						0	lines
28						0	
29						30th	well unloading on its ow
30			100			0	20 mcf/20 bpd - comp
31			100			20 mcf/20	down - H2O supply

Total MCFD:

bpd

blow lines - well unload-
ing on its own

Additional Remarks:

7/15 START COMP - WELL UNLOADED IN 10 MINUTES
30 BW/D

7/23 H2O in supply gas line - well unloading on its own - blew supply gas line dry and start unit.

7/25 well unloading on its own. 10-15 mcf/10-15 bw/d

Walsh Engineering & Production Well Report

RECEIVED
SEP 12 1996
PENDRAGON ENERGY
PARTNERS, INC.

Date: 8/96
Oper: Pendragon Energy Partners, Inc.
Well: Chaco #2R

Coeff: 1.32
Range: 100
Spring: 250
Plate: 0.375
Hrs On: _____
Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1						0	
2						15-20	20 BPD
3						0	
4						0	
5						0	
6						0	
7						0	
8			FCP 80			15-20	20 BPD
9						0	
10						0	
11						0	
12						0	
13			FCP 80			20-25	20 BPD
14						0	
15			FCP 80			20-25	20 BPD
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22			FCP 80			20-25	20 BPD
23						0	
24						0	
25						0	
26						0	
27						0	
28			FCP 80			0	
29			FCP 80			0	10-15 BPD - 20 MCF
30						0	
31						0	

Total MCFD: 0

Additional Remarks:

Walsh Engineering & Production Well Report

RECEIVED
OCT - 7 1996
PENDRAGON ENERGY
PARTNERS, INC.

Date: 9/96
Oper: Pendragon Energy Partners, Inc.
Well: Chaco #2R

Coeff: 3.64
Range: 100
Spring: 250
Plate: 0.625
Hrs On: _____
Hrs Off: _____

Pressure				Meter			
Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1						0	
2						0	
3						0	
4						0	
5			75			35	20 BPD
6						0	
7			75			35	20 BPD
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19	50	18		8.5	5.0	155	Install comp - Change
20				5.7	4.8	100	plate to a .625
21				4.8	4.6	80	
22				4.5	4.4	72	comp down - start 12
23				1.5	4.6	25	noon - Down on high
24				8.0	4.5	131	liquid - Down - start
25				0.0	4.4	0	comp 2:30 pm 34 BPD
26			97	8.2	4.5	12 hrs. 67	Down - Hi liquid
27		14	80	8.0	5.0	146	45 BPD
28				4.0	4.5	66	
29				6.8	4.5	111	Down - start at 1:00 p
30		12		6.8	4.6	114	
31						0	
Total MCFD:						1069	

Additional Remarks:

9/7 - Took pitot test 4 oz.
9/18 - Installed compressor from the Bartlesville to this location
9/26 - Down - Hi-liquid. Start Comp at 9:00 am - Down at 1:00 pm Hi-liquid
dump valve bad - EFI will repair
9/30 - Down Discharge Temp

Walsh Engineering & Production Well Report

RECEIVED
NOV - 4 1996
PENDRAGON ENERGY
PARTNERS, INC.

Date: 10/96
Oper: Pendragon Energy Partners, Inc.
Well: Chaco #2R

Coeff: 3.93
Range: 100
Spring: 250
Plate: 0.375
Hrs On: _____
Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1		10		9.4	4.7	161	Set back pressures on
2		14	76	10.0	4.7	171	sales at 125
3				10.0	4.8	174	
4				10.0	4.9	192	Dumping from comp
5				10.0	4.9	192	scrubber
6				10.0	4.9	192	Suc 15 - Disc 125
7				10.0	4.9	192	
8				10.0	4.9	192	
9				10.0	4.9	192	
10				10.0	4.9	192	
11				10.0	4.9	122	Comp down @ 3 pm
12				10.0	4.9	0	
13				10.0	4.9	0	
14				10.0	4.9	0	Call EFI to fix disc reg
15				10.0	5.0	196	
16		15	75	10.0	5.0	196	
17				9.8	5.0	193	
18				9.8	5.0	193	
19				9.8	5.0	193	
20				9.5	4.9	183	
21				9.0	4.8	170	
22				9.0	4.8	170	
23		18	70	9.0	4.8	170	Dump valve on comp
24				5.7	4.8	108	hung open
25				4.5	4.7	83	Well logging off - start
26				4.5	4.7	83	comp.
27				3.8	4.7	70	
28				3.3	4.6	60	Comp down - Hi Disc
29				3.0	4.5	53	temp. Comp. down
30				8.3	5.0	163	EFI repaired
31	54	15	124	8.3	5.2	170	31 BPD H2O

Total MCFD: 4423

Additional Remarks:

10/2 - Need to install a .875 or 1.000 plate

10/23 - Kill comp to check volumns without comp.

Walsh Engineering & Production Well Report

RECEIVED
JAN - 4 1997
PENDRAGON ENERGY
PARTNERS, INC.

Date: 12/96
Oper: Pendragon Energy Partners, Inc.
Well: Chaco #2R

Coeff: 3.93
Range: 100
Spring: 250
Plate: 0.625
Hrs On: _____
Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1				8.3	5.3	173	
2				8.1	5.3	169	
3				8.2	5.3	171	
4				8.2	5.3	171	
5				8.0	5.3	167	
6		10	61	8.0	5.3	167	
7				8.0	5.3	167	
8				8.1	5.3	169	
9				8.1	5.3	169	
10				8.0	5.3	167	15-20 BPD H2O
11	58	11	65	8.1	5.3	169	Speed compressor up
12				8.1	5.3	169	
13				8.1	5.3	169	
14				7.7	5.3	160	
15				6.0	4.9	116	
16				3.2	4.9	62	
17				3.3	5.0	65	Down - EFI started
18				4.4	5.2	90	Down - low suction
19				3.0	5.1	60	Down - start
20		10	64	7.5	5.2	154	
21				7.5	5.2	153	
22				7.5	5.2	153	
23				7.5	5.2	153	
24				7.8	5.3	162	
25				8.0	4.8	151	Speed unit up
26				7.8	5.0	153	Meter Freeze
27				8.0	5.3	167	Blow meter piping
28				8.3	5.2	170	15 BPD
29				8.3	5.2	170	
30				8.1	5.2	166	
31				6.9	4.9	133	Down

Total MCFD: 4631

Additional Remarks:

Walsh Engineering & Production Well Report

RECEIVED

Date: 2/98

Coeff: 3.93

MAR - 6 1998

Oper: PENDRAGON ENERGY PARTNERS

Range: 100

Spring: 250

PENDRAGON ENERGY
PARTNERS, INC.

Well: Chaco #2R

Plate: 0.625

Hrs On: _____

Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1				7.7	5.3	160	
2				7.7	5.3	160	
3				7.6	5.3	158	
4				7.5	5.4	159	7 125 2000
5				7.4	5.3	154	
6				7.4	5.3	154	4 120 2200
7				7.3	5.4	155	
8				7.0	5.7	157	
9				7.3	5.3	152	
10				7.3	5.3	152	
11				7.1	5.4	151	3 120 2200
12				6.7	5.8	153	14 bbls/d
13				6.0	5.6	132	Restart
14				7.2	5.3	150	
15				7.2	5.3	150	
16				7.2	5.3	150	
17				7.1	5.3	148	4 125 2100
18				7.1	5.3	148	3 125 2200
19		3	36	7.1	5.3	148	3 125 2200
20				7.0	5.3	146	3 125 2200
21				7.0	5.3	146	
22				7.1	5.3	148	
23				6.9	5.4	146	3 125 2200
24		4	36	6.5	5.6	143	4 125 2200
25				6.5	5.6	143	3 125 2200
26				6.7	5.5	145	
27				0.0	4.9	0	Down on dis. press
28				7.1	5.2	145	
29						0	
30						0	
31						0	

Total MCFD:

4053

Additional Remarks:

2/27 - Call Hanover, com won't start

Walsh Engineering & Production Well Report

Date: 3/98
 Oper: PENDRAGON ENERGY PARTNERS
 Well: Chaco #2R

Coeff: 3.93
 Range: 100
 Spring: 250
 Plate: 0.625
 Hrs On: _____
 Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1				6.8	5.1	136	
2				6.8	5.0	134	
3		3	36	6.6	5.1	132	3 125 2200
4				6.8	5.2	139	3 125 2200
5				6.6	5.5	143	3 125 2200
6				6.6	5.5	143	3 125 2200
7				6.5	5.5	140	
8				6.6	5.4	140	
9				0.0	4.9	0	Restart -High liquid
10				6.3	5.3	131	4 125 2600
11		3	36	6.3	6.0	149	3 125 2300
12				6.9	5.3	144	3 125 2300
13				6.8	5.3	142	3 125 2300
14				6.4	5.6	141	14 bbls/d
15				6.4	5.6	141	
16				6.4	5.6	141	3 125 2300
17				6.4	5.6	141	3 125 2300
18		3	36	6.4	5.6	141	3 125 2300
19				6.3	5.6	139	14 bbls/d
20				6.3	5.6	139	3 125 2300
21				6.3	5.6	139	
22				6.2	5.8	141	
23				6.0	5.9	139	3 130 2200
24				6.0	5.9	139	3 130 2200
25		3	36	6.3	5.6	139	3 130 2300
26				6.2	5.6	136	14 bbls/d
27				6.2	5.6	136	3 125 2300
28				6.1	5.6	134	
29				6.1	5.6	134	
30				6.2	5.6	136	2 123 2200
31				6.0	5.6	132	2 120 2200

Total MCFD: 4160

Additional Remarks:

3/3 - Blow drip
 3/11 - Blow drip
 3/13 - Replace red pen.

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: APRIL 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Chaco #2R

CO-EFF: 3.93
 RANGE: 100
 SPRING: 250
 PLATE: .625
 HRS ON HRS OFF

DATE	LINE	PRESSURE		DIFF.	METER		WTR	REMARKS
		TUBING	CASING		STAT.	MCF		
1				6.0	5.6	132		2 - 125 - 230
2				6.0	5.6	132		2 - 125 - 230
3				6.0	5.6	132		2 - 125 - 230
4				6.0	5.6	132		
5				6.0	5.6	132		
6				6.0	5.6	132		Restart
7				6.8	5.7	152		3 120 220
8		2	34	6.1	5.8	139	14 8/10	2 120 220
9				6.0	5.8	137		2 120 220
10				5.9	5.8	134		2 120 220
11				6.0	5.8	137		
12				5.9	5.7	132		
13				5.9	5.7	132		3 120 220
14				5.9	5.9	137		2 133 230
15		2	33	5.9	5.9	137	14 8/10	2 115 230
16				5.6	5.9	130		2 118 230
17				5.6	5.9	130		2 118 230
18				5.5	5.9	128		
19				5.5	5.9	128		
20				4.5	6.5	115		2 110 230
21				5.8	5.8	132		2 115 230
22		3	33	5.4	6.0	127	14 8/10	3 145 2100
23				5.1	10.0	132		2 115 2300
24				5.7	5.9	132		2 115 2300
25				5.6	5.9	130		
26				5.5	5.9	128		
27				5.5	5.9	128		2 115 2300
28				5.5	5.9	126		2 115 2300
29		2	33	5.5	5.9	128	14 8/10	2 115 2300
30				5.4	5.9	125		2 120 2300
31								

3816

REMARKS: 14th Blowdrip

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MAY 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #2R

CO-EFF: 3.93
 RANGE: 100
 SPRING: 250
 PLATE: .625
 HRS ON HRS OFF

DATE	LINE	PRESSURE		METER			WTR	REMARKS
		TUBING	CASING	DIFF.	STAT.	MCF		
1				5.4	6.0	127		2 115 230
2				5.4	6.0	127		
3				5.4	6.0	127		
4				5.4	6.0	127		2 115 230
5				5.4	6.0	127		2 115 230
6				5.4	5.9	125	14 80	2 120 230
7		2	30	5.4	5.8	125		2 120 230
8				5.2	6.3	129		2 120 230
9				5.3	6.0	125		
10				5.3	6.0	125		
11				5.3	6.0	125		2 120 230
12				5.3	6.0	125		2 120 230
13		2	30	5.2	6.0	123	14 80	2 120 230
14				5.2	6.0	123		2 120 230
15				5.2	6.0	123		2 120 230
16				5.2	6.0	123		
17				5.2	6.0	123		
18				5.2	6.0	123		2 120 230
19				5.0	6.2	122		2 120 230
20				5.0	6.2	122	14 80	2 120 230
21		2	30	5.1	6.3	126		2 120 230
22				5.1	6.1	122		2 120 230
23				5.1	6.1	122		
24				5.1	6.1	122		
25				5.1	5.8	116		
26				5.1	5.8	116	14 80	2 115 240
27		2	32	5.3	6.0	125		2 145 210
28				5.0	6.3	124		
29				5.3	5.8	121		2 115 220
30				0	5.6	0		
31				0	5.6	0		

3590

REMARKS:

20th Hanover Replacing Motor

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: JUNE 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Chaco #2R

CO-EFF: 3.93
 RANGE: 100
 SPRING: 250
 PLATE: .625
 HRS ON HRS OFF

DATE	LINE	PRESSURE		METER		MCF	WTR	REMARKS
		TUBING	CASING	DIFF.	STAT.			
1				1.5	5.4	32		Restart oil level
2				5.8	5.4	123		2 115 2100
3		2	32	5.8	6.0	137	14 8/10	2 125 2100
4				5.8	5.3	121		2 115 2100
5				2.2	5.5	48		Rig on hole. Restart
6				2.2	5.5	48		3 115 1800
7				2.2	5.5	48		
8				2.2	5.5	48		-5 110 1800
9				0	5.3	0		
10				0	5.3	0		
11				0	5.2	0		Restart
12				2.8	5.3	58		0 90 1600
13				2.3	5.3	52		
14				2.3	5.3	48		
15				2.3	5.3	48		-2 100 1500
16				2.0	5.4	42		-2 105 1500
17		-2	49	2.0	5.5	43	0	-2 105 1500
18				2.0	5.4	42		
19				2.0	5.2	41		-4 95 1500
20				2.0	5.2	41		
21				2.0	5.7	42		
22				2.0	5.4	42		-4 95 1500
23				2.0	5.3	42		-4 100 1500
24		-4	51	1.8	5.9	42	0	-4 95 1500
25				1.8	5.9	38		-4 100 1500
26				1.8	5.5	39		-4 100 1500
27				1.7	5.6	37		
28				1.5	5.8	34		
29				1.5	6.2	37		-6 90 1500
30				0	6.0	0		Close well in
31								

1372

REMARKS: *1st open well & blow to pit*
2nd open well & blow to pit



INVOICE

INVOICE NO.

26312

WATER & OILFIELD HEAVY HAULING

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

ACCOUNT NO.

01422

INVOICE DATE

02/28/98

PAGE

1

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

RECEIVED

MAR - 9 1998

PENDRAGON ENERGY
PARTNERS, INC.

JOB NO: 26312

FROM: CHACO 2R

TO: RESERVE PIT

DESCRIPTION		BBLS	DATE	FREIGHT BILL NO.	AMOUNT
TRANSFER WATER		14	2/11/98	84051	22.7
5.625 % SALES TAX					1.2
SUMMARY:					
BBLS					
TRUCKING W/TAX:	14	24.03	=	1.72	PER BBL
DISPOSAL W/TAX:		.00	=	.00	PER BBL
TOTAL :	14	24.03	=	1.72	PER BBL.
SU 612					
400204					
3/17/98					
TOTAL AMOUNT DUE					24.03

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

ORIGINAL

Walsh Engineering & Production Well Report

Date: 2/98
 Oper: PENDRAGON ENERGY PARTNERS
 Well: Chaco #4

Coeff: 13.56
 Range: 100
 Spring: 100
 Plate: 1.500
 Hrs On: _____
 Hrs Off: _____

RECEIVED

MAR - 6 1998

**PENDRAGON ENERGY
PARTNERS, INC.**

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1	50					255	
2	53					252	
3	54					246	
4	53			6		245	
5	56					241	
6	55					240	
7	59					238	
8	55					250	
9	57					248	
10	61					233	
11	67			3		214	
12	63					277	
13	61			3		228	5 bbls/d
14	55					235	
15	54					240	
16	55					236	
17	55			6		228	
18	56	59	82	5		232	
19	57					228	
20	57					221	
21	57					212	
22	59					205	
23	65			3		183	
24	65	69	85	3		166	
25	62			3		183	
26	57					188	
27	55					200	
28	50					230	
29						0	
30						0	
31						0	

Total MCFD: 6354

Additional Remarks:

Walsh Engineering & Production Well Report

Date: 3/98
 Oper: PENDRAGON ENERGY PARTNERS
 Well: Chaco #4

Coeff: 13.56
 Range: 100
 Spring: 100
 Plate: 1.500
 Hrs On: _____
 Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1	55					232	
2	55					217	
3	57			5		191	
4	56	58	82	5		184	Blow drip
5	56					177	
6	59			3		147	
7	56					143	
8	50					182	
9	55					173	
10	67			2		131	
11	58	56	86	3		132	1 bbl/d
12	58			2		127	
13	60					120	
14	61					117	
15	61					115	
16	61			1		110	
17	62					108	
18	61	64	87	1		109	
19	60					109	
20	61					103	
21	63					100	
22	68					93	
23	72			1		87	
24	64			1		86	
25	62	62	86	2		77	1 bbl/d
26	62					75	
27	62			1		70	
28	61					66	
29	58					68	
30	61			1		72	
31	61					61	

Total MCFD:

3782

Additional Remarks:

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: APRIL 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #4

CO-EFF: 13.56

RANGE: 100

SPRING: 100

PLATE: 1.500

HRS ON HRS OFF

PRESSURE

METER

DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1	59					56		
2	58					64		
3	62			1		62		
4	64					51		
5	66					0		El H. shut down
6	62					175		Open well
7	67			4		197		24 75 1866
8	64	25	76	3		199		24 75 1894
9	65					203		
10	61					107		
11	62					90		
12	67					84		
13	67			1		146		Restart - High discharge
14	63					205		26 75 1783
15	60	27	72	3		213	9 80	25 73 1856
16	62			3		209		27 73 1898
17	66			3		214		27 73 1897
18	62					216		
19	74					215		
20	62			4		223		27 72 1871
21	62					225		27 72 1893
22	73	28	71			213	9 80	27 105 1841
23	63					213		26 70 1876
24	65			3		212		25 70 1877
25	64					211		
26	63					212		
27	63			3		213		28 71 1882
28	62					217		27 71 1891
29	63	28	69	4		216	9 80	27 71 1886
30	63					209		27 71 1887
31								

5070

REMARKS:

16th set compressor
13th Call turn 3hrs - filter, plugged
14th spec to 1900 RPM

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MAY 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #4

CO-EFF: 13.56

RANGE: 100

SPRING: 100

PLATE: 1.500

HRS ON HRS OFF

DATE	LINE	PRESSURE		DIFF.	METER		WTR	REMARKS
		TUBING	CASING		STAT.	MCF		
1	63					205		
2	63					196		
3	63					175		
4	64					22		
5	63					0		
6	64	88	88			0	0	
7	67					171		Start comp
8	65					244		25 70 1878
9	64					245		
10	64					246		
11	64					248		23 70 1900
	63			4		249		25 70 1884
	63	27	68	5		249	11 8/10	26 70 1871
14	62					250		26 70 1890
15	63					247		26 70 1892
16	63					246		
17	63					243		
18	67			5		243		25 70 1878
19	67					246		25 70 1878
20	72	23	66	7		247	11 8/10	25 70 1901
21	67					171		25 74 1885
22	69					220		low coolant-
23	66					242		
24	64					243		
25	63					243		
26	64			4		244	11 8/10	23 90 1969
27	77	82	83	0		196		High Discharge
28	68					262		29 90 1968
29	69					260		26 70 1991
30	70					248		
31	63					250		

REMARKS:

4th skid comp. down - hole in line
 1st skid repair line - open well
 2nd skid 1 up 2 down
 3rd skid restart

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: JUNE 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Chaco #4

CO-EFF: 13.56

RANGE: 100

SPRING: 100

PLATE: 1.500

HRS ON HRS OFF

PRESSURE				METER				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1	68					249		
2	107					50		Rig on Hole
3	66			0		0	0	Rig on Hole
4	60					82		
5	62			2		175		Restart High gas flow
6	63					154		
7	59					114		
8	61			1		178		Low coolant
9	60					215		18 90 1961
10	59	22	66	4		222	11 80	21 89 1962
11	60					228		22 89 1963
	64					229		22 89 1951
	66					230		
14	63					230		
15	61					231		22 89 1951
16	63			5		231		22 89 1955
17	62	23	64	5		233	11 80	22 90 1952
18	66					194		Restart - low coolant
19	62					224		21 89 1966
20	61					229		
21	61					232		
22	64					234		23 90 1941
23	73			3		241		22 90 1955
24	66	26	68	4		241	11 30	25 89 1950
25	64					236		23 89 1958
26	64					234		23 89 1957
27	66					234		
28	70					233		
29	66			5		248		25 88 1947
30	59					32		Close well in
31								

REMARKS: *4th Replace 2" nipple on well head - Restart comp.*

5863

and twin start - low coolant



INVOICE

INVOICE NO.

26313

A

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

WATER & OILFIELD HEAVY HAULING

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

RECEIVED

MAR - 9 1998
PENDRAGON ENERGY
PARTNERS, INC.

ACCOUNT NO.

01422

INVOICE DATE

02/28/98

PAGE

1

JOB NO: 26313

FROM: CHACO 4

TO: RESERVE PIT

DESCRIPTION		BBLS	DATE	FREIGHT BILL NO.	AMOUNT
TRANSFER WATER		5	2/16/98	84073	45.5
5.625 % SALES TAX					2.5
SUMMARY:					
BBLS					
TRUCKING W/TAX:	5	48.06	=	9.61	PER BBL
DISPOSAL W/TAX:		.00	=	.00	PER BBL
TOTAL :	5	48.06	=	9.61	PER BBL.
5U 612 400207 3/17/98					
TOTAL AMOUNT DUE					48.0

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
All Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

ORIGINAL

Walsh Engineering & Production Well Report

Meter # 97-877-01

Date: 2/98
Oper: PENDRAGON ENERGY PARTNERS
Well: Chaco #5

Coeff: 13.56
Range: 100
Spring: 100
Plate: 1.500
Hrs On: _____
Hrs Off: _____

RECEIVED

MAR - 6 1998

PENDRAGON ENERGY
PARTNERS, INC.

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1	53					289	
2	55					287	
3	57					284	
4	56			6		283	
5	58					280	
6	58					279	
7	61					274	
8	58					275	
9	60					274	
10	63					269	
11	66			4		255	
12	66					262	
13	64			5		264	
14	59					269	
15	57					272	
16	58					277	
17	59			6		266	
18	59	63	84	4		265	
19	60					263	
20	60					262	
21	61					259	
22	62					257	
23	69			5		247	
24	68	73	87	4		243	
25	65			4		249	
26	60					252	
27	58					255	
28	53					261	
29						0	
30						0	
31						0	

Total MCFD: 7472

Additional Remarks:

Walsh Engineering & Production Well Report

Meter # 97-877-01

Date: 3/98
 Oper: PENDRAGON ENERGY PARTNERS
 Well: Chaco #5

Coeff: 13.56
 Range: 100
 Spring: 100
 Plate: 1.500
 Hrs On: _____
 Hrs Off: _____

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1	55					260	
2	58					257	
3	61			5		252	
4	59	63	84	5		224	Blow drip
5	59					216	
6	62			1		228	Dump stuck, adjust
7	59					251	
8	53					259	
9	58					255	
10	70			5		227	
11	61	60	84	4		247	1 bbl/d
12	61			4		246	
13	63					242	
14	64					240	
15	64					239	
16	64			4		238	
17	65					235	
18	64	67	86	4		237	1 bbl/d
19	63					238	
20	64					235	
21	66					231	
22	71					224	
23	75			4		218	
24	67			2		222	
25	65	65	86	4		224	1 bbl/d
26	64					225	
27	65			4		225	
28	64					225	
29	61					228	
30	64			5		226	
31	64					224	

Total MCFD: 7298

Additional Remarks:

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: APRIL 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Chaco #5

CO-EFF: 13.56
 RANGE: 100
 SPRING: 100
 PLATE: 1.500
 HRS ON HRS OFF

PRESSURE

METER

DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1	62					224		
2	67					226		
3	65			4		227		
4	69					200		
5	72					0		El Paso shut well in
6	65					187		Open well
7	70			4		200		
8	66	68	87	3		196	0	
9	69					192		
10	64					199		
11	61					201		
	60					205		
13	62			2		204		
14	66					195		
15	63	64	85	3		199	0	
16	63					199		
17	69			2		186		
18	64					197		
19	71					196		
20	65			2		199		
21	65					193		
22	75	100	100	0		161	0	
23	66					182		
24	67			3		177		
25	67					179		
26	66					173		
27	66			2		170		
28	64					161		
29	66	66	88	2		168	0	
30	66					165		
31								

5486

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: JUNE 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Chaco #5

CO-EFF: 13.56
 RANGE: 100
 SPRING: 100
 PLATE: 1.500
 HRS ON HRS OFF

		<u>PRESSURE</u>		<u>METER</u>				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1	71					100		
2	78					90		
3	65	58	91	2		23	0	P90A Hole
4	61					1		Blow well to pit
5	64			3		134		Put 100' on line
6	66					134		
7	62					134		
8	63			2		131		
9	63					127		
10	62	64	91	1		125	0	
11	63					123		
12	67					114		
13	69					108		
14	66					112		
15	65					110		
16	66			1		107		
17	65	65	93	1		104	0	
18	58					123		
19	65					130		
20	70					122		
21	70					113		
22	72					103		
23	76			1		101		
24	69	68	92	1		117	0	
25	70					112		
26	67					108		
27	69					109		
28	73					87		
29	70			1		91		
30	61					15		Close well in
31								

REMARKS: ^{3/15} 4th Replace 1/2" nipple on well head - tighten cap

Walsh Engineering & Production Well Report

RECEIVED

Date: 2/98
 Oper: PENDRAGON ENERGY PARTNERS
 Well: Lansdale Federal #1

Coeff: 8.57
 Range: 100
 Spring: 100
 Plate: 1.125
 Hrs On: _____
 Hrs Off: _____

MAR - 6 1998
 PENDRAGON ENERGY
 PARTNERS, INC.

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1				3.1	8.2	218	
2				3.1	8.2	218	
3				3.1	8.3	221	
4				3.0	8.3	213	
5				3.0	8.3	213	
6				3.0	8.3	213	
7				3.1	8.3	221	
8				3.0	8.4	216	
9				3.2	8.1	222	
10				3.2	8.1	222	
11				3.0	8.3	213	8 bbls/d
12				2.7	8.6	199	
13				2.9	8.4	209	
14				3.0	8.3	213	
15				3.1	8.2	218	
16				3.1	8.2	218	
17				3.1	8.2	218	
18		58		3.1	8.2	218	
19				3.1	8.3	221	
20				3.0	8.3	213	
21				3.0	8.3	213	
22				3.0	8.2	211	
23				3.0	8.3	213	
24		68	96	2.6	8.7	194	
25				2.7	8.6	199	
26				2.9	8.2	204	
27				3.0	8.1	208	
28				3.0	8.1	208	
29						0	
30						0	
31						0	

Total MCFD: 5968

Additional Remarks:

Walsh Engineering & Production Well Report

Date: 3/98

Oper: PENDRAGON ENERGY PARTNERS

Well: Lansdale Federal #1

Coeff: 8.57

Range: 100

Spring: 100

Plate: 1.125

Hrs On:

Hrs Off:

Pressure

Meter

Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1				3.1	8.0	213	
2				3.1	8.0	213	
3				3.0	8.2	211	
4		57	91	2.9	8.3	206	7 bbls/d
5				2.7	8.4	194	
6				2.7	8.4	194	
7				2.7	8.4	194	
8				2.8	8.3	199	
9				2.9	8.0	199	
10				2.8	8.3	199	
11		58	93	2.4	9.0	185	7 bbls/d
12				2.7	8.3	192	
13				2.7	8.3	192	
14				2.6	8.4	187	
15				2.6	8.4	187	
16				2.6	8.4	187	
17				2.6	8.4	187	
18		57	92	2.6	8.4	187	7 bbls/d
19				2.5	8.4	180	
20				2.5	8.4	180	
21				2.4	8.4	173	
22				2.3	8.7	171	
23				2.2	8.8	166	
24				2.0	8.8	151	
25		59	93	2.2	8.4	158	7 bbls/d
26				2.2	8.4	158	
27				2.2	8.4	158	
28				2.2	8.3	156	
29				2.2	8.3	156	
30				2.2	8.2	155	
31				2.2	8.2	155	

Total MCFD: 5646

Additional Remarks:

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: APRIL 1998
 OPERATOR: PENDRAGON ENERGY PARTNERS, INC.
 WELL NAME: Lansdale Federal #1

CO-EFF: 8.57
 RANGE: 100
 SPRING: 100
 PLATE: 1.125
 HRS ON HRS OFF

PRESSURE

METER

DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				2.2	8.2	155		
2				2.2	8.2	155		
3				2.2	8.2	155		
4				2.0	8.3	142		
5				1.8	9.0	139		
6				2.0	8.3	142		
7				2.1	8.3	149		
8		61	93	1.9	8.7	142	7 3/10	
9				1.8	8.5	131		
10				1.6	8.4	115		
11				1.6	8.2	112		
12				1.6	8.2	112		
13				1.6	8.1	111		
14				1.6	8.1	115		
15		55	94	1.6	8.4	115	7 3/10	
16				1.6	8.2	112		
17				1.6	8.3	114		
18				1.3	8.4	108		
19				1.3	8.1	104		
20				1.3	9.0	100		
21				1.5	8.1	104		
22		103	98	1.3	8.3	95	7 3/10	
23				1.3	8.3	92		
24				1.3	8.3	92		
25				1.3	8.3	92		
26				1.3	8.3	92		
27				1.3	8.3	92		
28				1.3	8.3	92		
29		56	94	1.3	8.3	92	7 3/10	
30				1.3	8.2	91		
31								

3467

REMARKS: -----

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MAY 1998

OPERATOR: PENDRAGON ENERGY PARTNERS, INC.

WELL NAME: Lansdale Federal #1

CO-EFF: 8.57

RANGE: 100

SPRING: 100

PLATE: 1.125

HRS ON HRS OFF

DATE	LINE	<u>PRESSURE</u>		<u>METER</u>			WTR	REMARKS
		TUBING	CASING	DIFF.	STAT.	MCF		
1				1.0	8.3	71		
2				1.0	8.3	71		
3				1.0	8.3	71		
4				1.0	8.3	71		
5				1.0	8.3	71		
6				1.0	8.3	71	7 3/4	
7				1.0	8.3	71		
8				1.0	8.3	73		
9				1.0	8.4	72		
10				1.0	8.3	71		
11				1.0	8.3	71		
12				1.0	8.3	71		
13		68	96	1.0	8.3	71	7 3/4	Blow well
14				1.0	8.3	71		
15				1.0	8.2	70		
16				0.5	8.2	35		
17				0.5	8.2	35		
18				0.5	8.2	35		
19				0.5	8.5	36		
20		55	96	0.5	8.5	36	0 3/4	
21				0.5	8.9	38		
22				0.5	8.3	36		
23				0.5	8.3	36		
24				0.5	8.3	36		
25				0.5	8.3	36		
26				0.5	8.3	36		
27		100	101	0.5	8.3	36	0 3/4	
28				0.5	8.7	37		
29				0.5	8.4	36		
30				0.5	8.5	36		
31				0.5	8.5	36		

REMARKS: 13th Replace 1/2" valve on casg.

1643



WATER & OILFIELD HEAVY HAULING

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

JOB NO: 29777

SX LANSDALE FED 1

INVOICE

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

INVOICE NO.

29777

ACCOUNT NO.

01422

INVOICE DATE

06/30/98

PAGE

1

RECEIVED

JUL 18 1998

PENDRAGON ENERGY
PARTNERS, INC.

TO: FRONTIER 1A DISPOSAL

DESCRIPTION	BBL S	DATE	FREIGHT BILL NO.	AMOUNT
TRANSFER PRODUCED WATER	80	6/09/98	130740	68.2
5.625 % SALES TAX				3.8
SUMMARY:	BBL S			
TRUCKING W/TAX:	80	72.09	=	.90 PER BBL
DISPOSAL W/TAX:		.00	=	.00 PER BBL
TOTAL :	80	72.09	=	.90 PER BBL.

mm 1/2/98

*SU 612
400708*

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

TOTAL
AMOUNT DUE

72.00

SUNCO
TRUCKING
COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

*** NEW REMIT TO ADDRESS ***

P.O. BOX 676779

DALLAS, TX 75267-6779

INVOICE NO.

24569

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

ACCOUNT NO.

01422

INVOICE DATE

12/31/97

PAGE

1

RECEIVED

JAN 15 1998

PENDRAGON ENERGY
PARTNERS, INC.

JOB NO: 24569

SX LANSDALE FED 1

TO: FRONTIER 1A DISPOSAL

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO	AMOUNT
AUL PRODUCED WATER	80	12/01/97	61701	100.0
AUL PRODUCED WATER	80	12/09/97	61742	60.0
AUL PRODUCED WATER	80	12/17/97	61777	60.0
AUL PRODUCED WATER	160	12/22/97	67203	160.0
5.625 % SALES TAX				21.3

SUMMARY: BBLS

TRUCKING W/TAX:	400	401.39	=	1.00	PER BBL
DISPOSAL W/TAX:		.00	=	.00	PER BBL
TOTAL :	400	401.39	=	1.00	PER BBL.

SU 6/2
400108

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days. All Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as stated on the reverse side apply.

TOTAL
AMOUNT DUE

401.39

ORIGINAL



INVOICE

INVOICE NO.

25571

A

WATER & OILFIELD HEAVY HAULING

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

ACCOUNT NO.

01422

INVOICE DATE

01/31/98

PAGE

1

RECEIVED

FEB 12 1998

PENDRAGON ENERGY
PARTNERS, INC.

JOB NO: 25571

SX LANSDALE FED 1

TO: FRONTIER 1A DISPOSAL

DESCRIPTION	BBLs	DATE	FREIGHT BILL NO.	AMOUNT
UL PRODUCED WATER	80	1/04/98	67262	113.75
UL PRODUCED WATER	80	1/06/98	67273	68.25
UL PRODUCED WATER	80	1/13/98	67304	68.25
UL PRODUCED WATER	80	1/25/98	67364	56.88
UL PRODUCED WATER	80	1/27/98	67378	68.25
UL PRODUCED WATER	80	1/29/98	67390	113.75
5.625 % SALES TAX				27.52

SUMMARY: BBLs

TRUCKING W/TAX: 480 516.65 = 1.08 PER BBL
DISPOSAL W/TAX: .00 = .00 PER BBL
TOTAL : 480 516.65 = 1.08 PER BBL.

SU 6/2
400708

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

**TOTAL
AMOUNT DUE**

516.65

ORIGINAL



INVOICE

INVOICE NO.

27187

A

WATER & OILFIELD HEAVY HAULING

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

ACCOUNT NO.

01422

INVOICE DATE

03/31/98

PAGE

1

RECEIVED

JOB NO: 27187

APR 14 1998

M: SX LANSDALE FED 1

PENDRAGON ENERGY
PARTNERS, INC. TO: FRONTIER 1A DISPOSAL

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
AUL PRODUCED WATER	80	3/31/98	73780	68.2
AUL PRODUCED WATER	80	3/17/98	80430	68.2
AUL PRODUCED WATER	80	3/24/98	80465	113.7
AUL PRODUCED WATER	160	3/03/98	84154	136.5
AUL PRODUCED WATER	80	3/08/98	84180	56.8
5.625 % SALES TAX				24.9
SUMMARY:	BBLS			
TRUCKING W/TAX:	480	468.59	=	.98 PER BBL
DISPOSAL W/TAX:		.00	=	.00 PER BBL
TOTAL :	480	468.59	=	.98 PER BBL.
SU 612 400708				
Interest Charged at the Rate of 1½% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days. Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as stated on the reverse side apply.				
TOTAL AMOUNT DUE				468.59

ORIGINAL



INVOICE

INVOICE NO.

27994

A

WATER & OILFIELD HEAVY HAULING

REMIT TO:
P.O. BOX 676779
DALLAS, TEXAS 75267-6779
(505) 327-0416

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO

80293

ACCOUNT NO.

01422

INVOICE DATE

04/30/98

PAGE

1

RECEIVED

MAY 14 1998

PENDRAGON ENERGY TO:
PARTNERS, INC.

FRONTIER 1A DISP

JOB NO: 27994

M: SX LANDSDALE FED 1

DESCRIPTION		BBLS	DATE	FREIGHT BILL NO.	AMOUNT
WATER PRODUCED WATER		80	4/14/98	78754	68.25
5.625 % SALES TAX					3.84
SUMMARY:					
BBLS					
TRUCKING W/TAX:	80	72.09 =	.90	PER BBL	
DISPOSAL W/TAX:		.00 =	.00	PER BBL	
TOTAL :	80	72.09 =	.90	PER BBL.	

SU 612

400108

Interest Charged at the Rate of 1 1/2% PER MONTH OR 18% PER ANNUM on Accounts Not Paid Within 30 Days.
Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as
stated on the reverse side apply.

**TOTAL
AMOUNT DUE**

72.09

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI-
(Other instruction
verse side)ATE*
on re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 080238A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chaco

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA

Sec. 1, T26N, R13W

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL ☐ GAS ☒ OTHER

2. NAME OF OPERATOR

J. Gregory Merrion and Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

790 FSL and 790 FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

5979 ft. G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

FULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☒

ABANDONMENT*

☐

(Other) Completion

☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

04-26-77 Moved in L & B Speed Drill. Drilled 41 ft. of 7-7/8" hole and set 40 ft. of 5-1/2" surface casing. Cemented with 6 sax Type II.

04-27-77 Drilling at 400 ft.

04-28-77 Drilling at 800 ft.

04-29-77 TD at 1315 ft.

04-30-77 Birdwell ran Induction and Density Logs. Ran 57 joints of 2-7/8" upset 10V casing and set at 1288 ft. PBTD at 1265 ft. G.L. Fleet cemented with 100 sax Class "G". Plug down at 7:30 p.m. Lost circulation with 30 sax to go. Poor circulation throughout displacement.

05-02-77 Blue Jet ran Cement Bond, Gamma Ray Collar logs. Found good bond. Shot with 2 PF 1165-1169, 1174-1192; swabbed in and flowing to clean up.

05-03-77 Gauged 1029 MCF/day dry gas on 1" plate.

18. I hereby certify that the foregoing is true and correct

SIGNED

Steven L. Luman

TITLE

Engineer

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DATE

MAY 4 1977

U. S. GEOLOGICAL SURVEY
DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. ☐ oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 507, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 790 FSL and 790 FEL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐
(other) Run Siphon String		X

5. LEASE
SF 080238A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Chaco

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
WAW: Pictured Cliff

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 1, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

14. API NO.
30-045-22411

15. ELEVATIONS (SHOW DE KDB AND WD)
5979 G.R.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

03-09-79 Rig up Western States. Kill well w/ 5 bbls. water. Ran 1207 ft. of 1-1/4" EUE tubing for siphon string. Landed 1206 ft. G.R.

03-12-79 Swab well in and put back on line.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED Stewart L. Allen TITLE Engineer DATE March 23, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR

J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 507, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 790' FSL & 790' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☒

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

5. LEASE
SF 080238 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Chaco

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
WAW Pictured Cliffs

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Section 1, T26N, R13W

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

14. API NO.
30-045-2241

15. ELEVATIONS (SHOW DE KDB AND WD)

5979

(NOTE: Report results of multiple completion or zone change on Form 9-330)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pull 1-1/4" tubing.

Plug back with sand and calseal to 1182

Sand water frack perfs. 1165-69 & 1174-82

3500 gal. water and 2500# sand.

Swab in.

Rerun 1-1/4" tubing.

U. S. GEOLOGICAL SURVEY
BUREAU OF OIL & GAS

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Co-Owner

DATE

May 1979

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OPERATOR

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 25: "Stuck Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRELATE INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
-----------	-----	--------	-----------------------------

Picture Cliff

1165 ft.

Gas, water

38.

GEOLOGIC MARKERS

NAME

Kirtland
Fruitland
Pic. Cliff

MEAS. DEPTH

372'
880'
1162'

TOP

TRUE VERT. DEPTH

RECEIVED
BLM MAIL ROOM

DATE: 1-3-92

Page 1 of 2

92 FEB 11 AM 11:08

REV DATE: _____

FARMINGTON ATTACHMENT C
FARMINGTON ALTERNATIVE METHOD

LOW FLOW WELL LISTING

Operator Code 5997
Operator Name Merrion Oil & Gas Corp.

METER NO.	WELL NAME	STATE	AREA LOCATION	TEST PERIOD MCF	TEST PERIOD FLOW HRS	TIME CALC. HOURLY RATE MCF	AGREED VOLUME DAILY RATE MCF	WELL VOLUME CLOSED CONDITIONS
74-680	John F Brown #	NM-31	Chaco	452	1538	0.29	6.96	TC
89-623	Jicarilla Contract 429	NM-31	Chaco	1903	3218.9	0.59	14.16	TC
89-974	Choco Meter Run #5	NM-31	Chaco	1209	3939	0.3	7.2	TC
90-044	Chaco #4	NM-31	Chaco	2525	2901	0.35	8.4	TC
* 90-219	Brown #1 Frew	NM-31	Chaco	381	3161	0.12	2.88	* Code 08 AV
90-846	Federal #15	NM-31	Chaco	2462	6069.1	0.4	9.6	TC
92-027	Rocky Mountain #1	NM-31	Chaco	915	3771.2	0.24	5.76	TC
92-048	Megabyte Corn #1 DK	NM-31	Chaco	3983	6366.9	0.62	14.88	TC
93-017	Chaco Limited 2 J	NM-31	Chaco	989	4165.7	0.23	5.52	TC
93-107	Hi-Roller #1R	NM-31	Chaco	166	1367.8	0.12	2.88	AV
93-426	Badland Flats #2 PC	NM-31	Chaco	4119	5068	0.61	14.64	TC
93-472	Badland Flats #1	NM-31	Chaco	1971	5079.8	0.38	9.12	TC
93-922	East Lindrith #6	NM-31	Chaco	3408	5686.7	0.59	14.16	TC
94-064	Federal 25-26-13 #1	NM-31	Chaco	1941	5397.3	0.35	8.4	TC
94-461	Yarborough Federal #1	NM-31	Chaco	2465	7296	0.33	7.92	TC
94-465	Yarborough Federal B #1	NM-31	Chaco	1417	6109.4	0.23	5.52	TC

TC = Time Calculated Volume (Hourly)

AV = Agreed Upon Volume (Daily)

ACCEPTED BY: _____

15

*See 3162.7-3 for Method of measurement
Calculation Methods*

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-73

All distances must be from the outer boundaries of the Section.

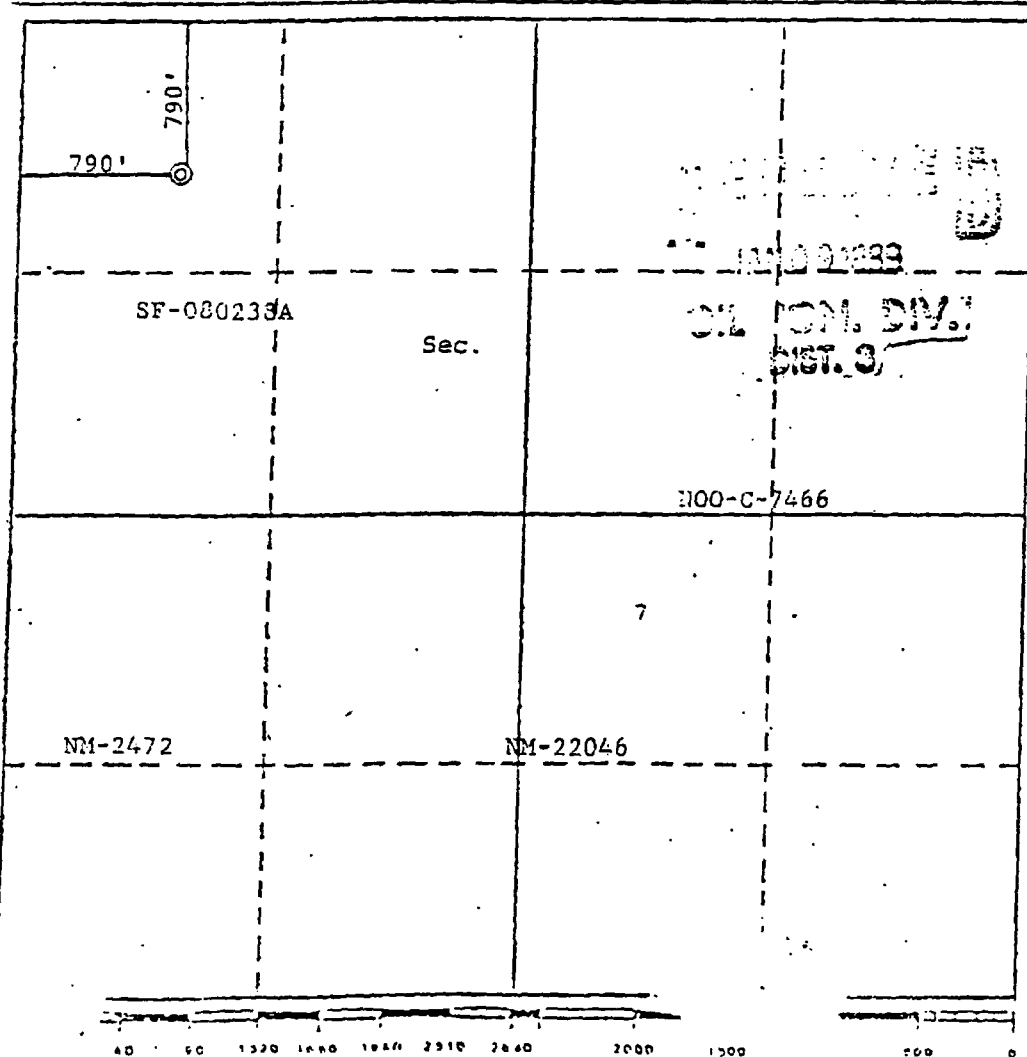
Operator Merrion Oil & Gas Corp.			Lease Chaco		Well No. 4
Unit Letter D	Section 7	Township 26N	Range 12W	County San Juan	
Actual Footage Location of Well:					
790 feet from the North		line and 790 feet from the West		line	
Ground Level Elev. 5991	Producing Formation Pictured Cliffs		Pool WAW Fruitland Pictured Cliffs Sand		Dedicated Acreage 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

Name

Steven S. Dunn

Position

Operations Manager

Company

Merrion Oil & Gas Corp.

Date

12/28/88

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

Registered Professional Engineer
and/or Land Surveyor

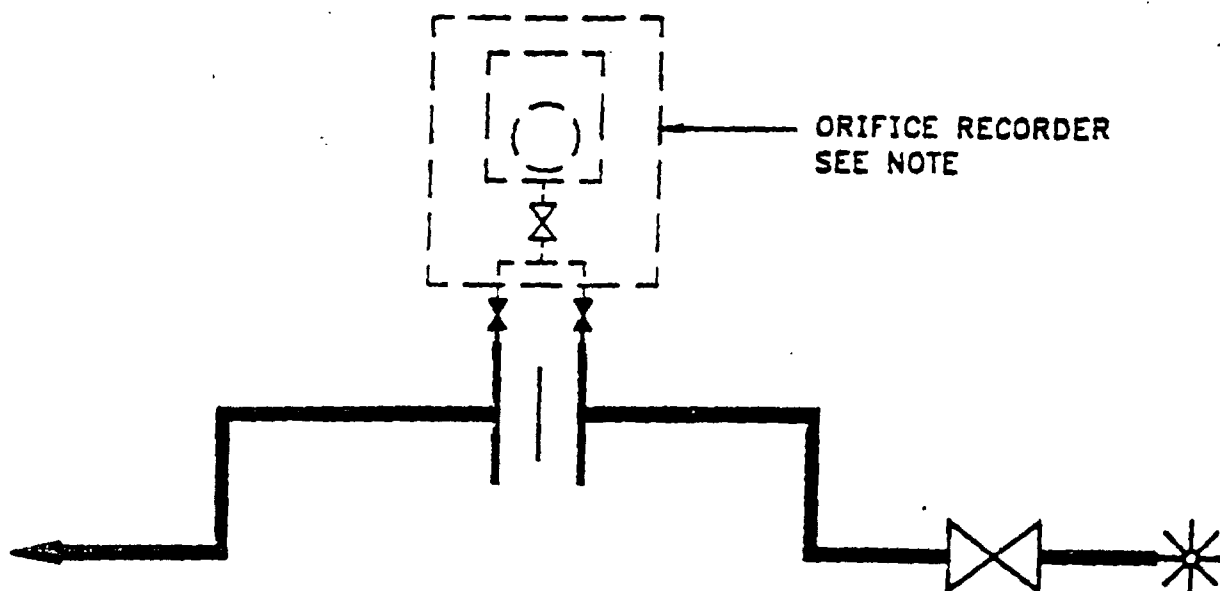
Certificate No.

ATTACHMENT B

WELL LOCATION AND ACREAGE DEDICATION PLATS

AGREED VOLUME
ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT USED FOR ANNUAL TEST

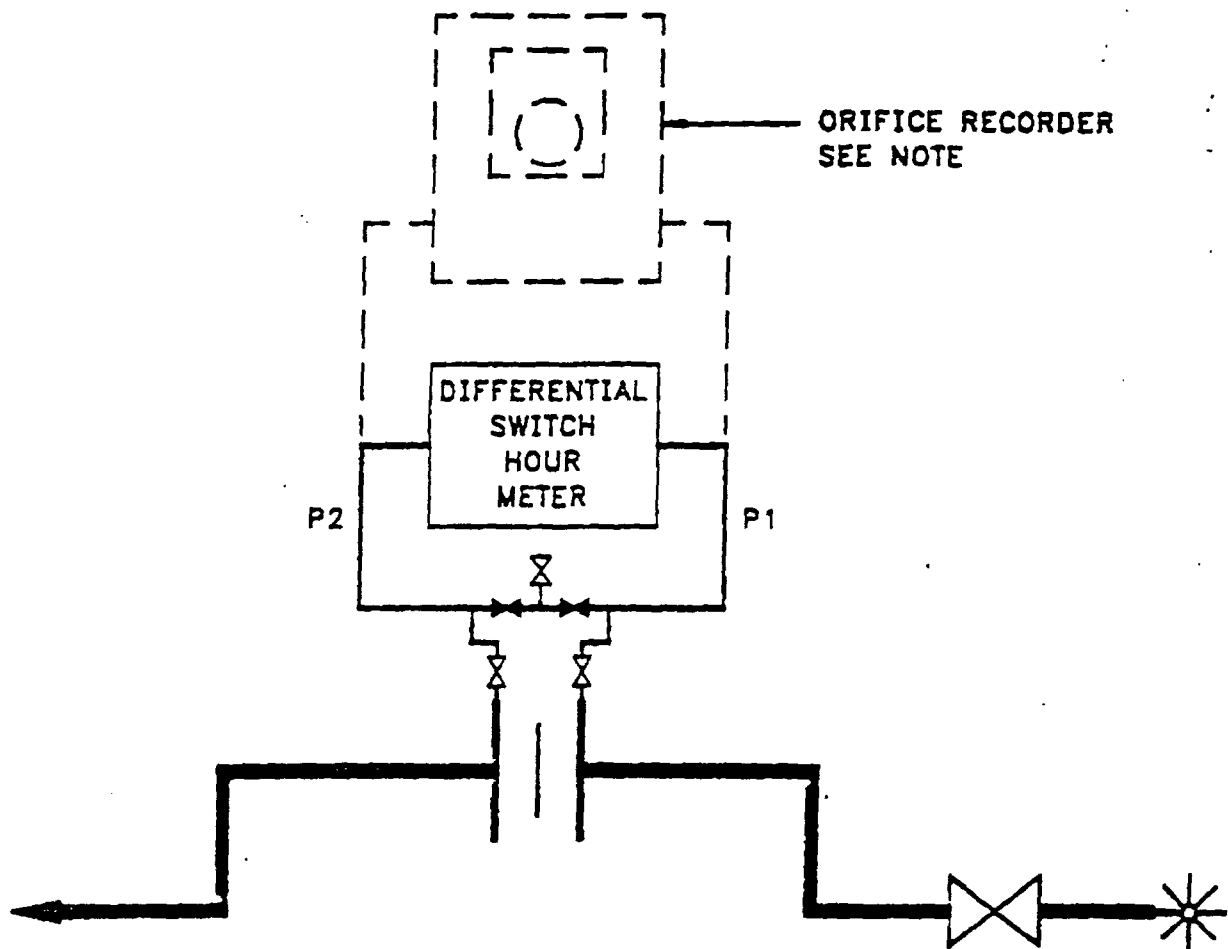


NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

TIME CALCULATED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT AND DIFFERENTIAL SWITCH/HOUR METER
USED FOR FLOW TIME DETECTION AND ANNUAL TEST



NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

ATTACHMENT A

BASIC HOURLY FLOW RATE CALCULATION METHODS

1. Average Hourly Flow Rate (MCF)

a. $\frac{\text{Annual or Test Period Measured Volume (MCF)}}{\text{Annual or Test Period Flow Hours}} = \text{Average Hourly Flow Rate (MCF)}$

b. Example: $\frac{3365 \text{ MCF}}{5877.8 \text{ Hours}} = 0.57 \text{ MCF/Hour Average Flow Rate}$

2. Average Daily Hourly Flow Rate (MCF)

a. $\text{Average Hourly Flow Rate (MCF)} \times 24 = \text{Average Daily Flow Rate (MCF/D)}$

b. Example: $0.57 \text{ (Average Hourly MCF)} \times 24 = 13.68 \text{ MCF (Average Daily Flow Rate)}$

3. "Time Calculated Volume" Formula

a. $\text{Flow Meter Hours} \times \text{Average MCF Hourly Flow Rate} = \text{Volume (MCF)}$
 $\text{Volume (MCF)} \times \text{BTU Factor} = \text{MMBTU (dth) for Period Indicated}$

b. Example: $1971 \text{ (Hours)} \times .31 \text{ (MCF)} = 611 \text{ MCF}$
 $611 \text{ MCF} \times 1097 \text{ BTU} = 670 \text{ MMBTU (dth) for the Period Indicated}$

4. "Agreed Volume" Formula

a. $\frac{\text{Annual or Test Period Measured Flow Volume}}{\text{Annual or Test Period Flow Hours}} = \text{"Average Hourly" MCF}$

$\text{"Average Hourly" MCF} \times 24 = \text{Daily MCF Flow Volume}$

$\frac{\text{Daily MCF Flow Volume} \times \text{Percent Stipulated Flow Time (i.e. Cycle Flow)}}{\text{Average Daily MCF Flow Volume}}$

b. Example: $31 \text{ (days)} \times 4 \text{ (MCF)} = 124 \text{ MCF}$
 $124 \text{ MCF} \times 1097 \text{ BTU} = 136 \text{ MMBTU (dth) for the month}$

**ALTERNATIVE MEASUREMENT
REQUEST FORM
FOR TIME CALCULATED VOLUME
(1-5 Dth Per Day) &
(5-15 Dth Per Day)**

I hereby request government approval for use of this Alternative Measurement method of marginal low flow wells. I have consented, upon receipt of all necessary regulatory approvals, to El Paso Natural Gas Company's installation and use of the Alternative Measurement method described below for my low flow natural gas well(s) producing into El Paso's pipeline system.

1. Reason for Proposal

Try to reduce likelihood of well shut-in and loss of production due to uneconomical operations. Low flow production wells incur most of the same fixed costs experienced for wells producing much greater amounts of natural gas, but do not enjoy the same economics of scale. Therefore, the per unit cost of measurement for low flow wells(s) can be unacceptably high for a prudent operator.

Failure to approve use of this Alternative Measurement could result in premature abandonment of production from these low flow wells.

2. Explanation and Diagram

Please refer to the detailed explanation of the Alternative Measurement method to be used and the schematic flow diagram provided as Attachment A.

3. Map and Lease Numbers

Well Location and Acreage Dedication Plats for each well listing all lease, communitization, and Unit numbers and showing the location of these properties is provided as Attachment B.

4 Schematic Diagram and Location of Equipment

Please refer to information provided with items numbers 2 and 3 above.

5. Estimated Lease Production

A table listing the estimated hourly or daily production rate for each well on the lease, communitization, or Unit property is provided as Attachment C.

6. Additions to Approved Commingling or Off-Lease Measurement

None are proposed.

Distribution:

0 - BLM
1 - File
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Merrion Oil & Gas Corporation

3. Address and Telephone No.
P. O. Box 840, Farmington, New Mexico 87499

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Various locations (see attachment)

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

6. If Indian, Allotment or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
See Attachment

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☐ Other
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached - Alternative Measurement
Request Form
For Time Calculated Volume
(1-5 Dth Per Day) &
(5-15 Dth Per Day)

RECEIVED
BLM MAIL ROOM
92 FEB 11 AM 11:06
FARMINGTON NEW MEXICO AREA
FARMINGTON NEW MEXICO

FEB 14 1992

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Operations Manager

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title OPERATOR

2/10/92
APPROVED

FEB 13 1992
AREA MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person to knowingly and willfully make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Knowingly and willfully make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

MAR 1 1995

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J. K. EDWARDS ASSOCIATES, INC. 011307

3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, New Mexico 87402 505 327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790'FNL & 790'FWL
Section 7, T26N, R12W5. Lease Designation and Serial No.
SF-080238A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Chaco #4

9. API Well No.

30-045-22410

10. Field and Pool, or Exploratory Area

NIIP Pictured Cliffs

11. County or Parish, State

San Juan County, N.M.

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other See Below☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1/30/95 Treated well with 500 gallons of 7-1/2% HCl and displaced with 6 bbls of water.

14. I hereby certify that the foregoing is true and correct

Signed Paul C. ThompsonTitle Paul C. Thompson, Agent ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

FEB 22 1995

OPERATOR

FARMINGTON DISTRICT OFFICE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

FRACTURE TREATMENT

1

Formation PC Stage No. 1 Date 5/10/95Operator J. K. EDWARDS ASSOCIATES INC. Lease and Well Chaco #4Correlation Log Type GR/CCL From To Temporary Bridge Plug Type Set At Perforations 1163'-1166' 1173'-1189
1 Per foot type Total of 19 (0.32" holes)Pad 7,650 gallons. Additives 70% nitrogen foam
All fluids produced water with 20#/1000 linear gel,
foamer, PH buffers, bacteriacide and enzyme breakers.Water gallons. Additives Sand 35,000 lbs. Size 20/40 at 1/2 to 3.3 ppqFlush gallons. Additives Breakdown psigAve. Treating Pressure 1700 psigMax. Treating Pressure 2400 psigAve. Injection Rate 26 BPMHydraulic Horsepower HHPInstantaneous SIP 600 psig5 Minute SIP 490 psig10 Minute SIP 430 psig15 Minute SIP 370 psigBall Drops: Balls at gallons psig
 increa
 Balls at gallons psig
 increa
 Balls at gallons psig
 increaRemarks:
 Walsh ENGINEERING & PRODUCTION CORP.

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
BLM

95 JUN -5 AM 11:43

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 19935. Lease Designation and Serial No.
SF-080238A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Chaco #4

9. API Well No.

30-045-22410

10. Field and Pool, or Exploratory Area

NIIP Pictured Cliffs

11. County or Parish, State

San Juan County, N.M.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J. K. EDWARDS ASSOCIATES

3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, N.M. 87402 505.327-4892.

4. Location of Well (Fosage, Sec., T., R., M., or Survey Description)

790'FNL & 790'FWL
Section 7, T26N, R12W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☒
- Other See Below
-
- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

5/10/95 Re-perforate Pictured Cliffs 1163-1166' and 1173-1189' with
1 SPF and frac as per attached treatment.

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct

Signed Paul C. Thompson

Title Paul C. Thompson, Agent

JUN 05 1995

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

FARMINGTON DISTRICT OFFICE
BY 21

OPERATOR

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

G.P.O. : 1973-780-622 /VIII-148

05-03-77 Gauged 480 MCF/day of dry gas on 3/4" plate.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instructions
versc side)ATE
a reForm approved.
Budget Bureau No. 42-R1424.

6. LEASE DESIGNATION AND SERIAL NO.

SF 080238A

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chaco

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 7, T26N, R12W

12. COUNTY OR PARISH 13. STATE

San Juan

N.M.

1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

J. Gregory Merrion and Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)
At surface

790 FNL and 790 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5991 G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒

(Other)

Completion

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

04-11-77 Moved in L & B Speed Drill. Drilled 41 ft. of 7-7/8" hole and set 40 ft. of surface casing 5-1/2", 10.5#/ft., J-55, blue band.

04-21-77 Drilling at 450 ft.

04-22-77 Drilling at 800 ft.

04-23-77 Drilling at 1000 ft.

04-25-77 TD at 1300 ft.

04-26-77 Birdwell ran Induction Density Logs, ran 42 jts. 2-3/8" EUE 6.5#/ft. casing and set at 1294 ft. G.L. PBTD 1268 ft. G.L. B.J. cemented with 100 sax Class "G". Bumped plug with 1500 PSIG. No bleed back and good returns throughout job. Plug down at 4:30 p.m.

05-02-77 Blue Jet ran Cement Bond and Gamma Ray Collar logs. Good bond indicated. Ran in with glass jets to shoot 4 PF; 1163-1166 and 1173-1189 76 shots. Hung up; coming out. Left one wire in the hole. Found blockage at 1175 ft. G.L. Swabbed in and flowed to clean up. (Over)

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Engineer

DATE

May 4, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See Instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

39. SUMMARY OF COMPLETION REPORT

40. SUMMARY OF COMPLETION REPORT

41. SUMMARY OF COMPLETION REPORT

42. SUMMARY OF COMPLETION REPORT

43. SUMMARY OF COMPLETION REPORT

44. SUMMARY OF COMPLETION REPORT

45. SUMMARY OF COMPLETION REPORT

46. SUMMARY OF COMPLETION REPORT

47. SUMMARY OF COMPLETION REPORT

48. SUMMARY OF COMPLETION REPORT

49. SUMMARY OF COMPLETION REPORT

50. SUMMARY OF COMPLETION REPORT

51. SUMMARY OF COMPLETION REPORT

52. SUMMARY OF COMPLETION REPORT

53. SUMMARY OF COMPLETION REPORT

54. SUMMARY OF COMPLETION REPORT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

Budget Bureau No. 42-10000-0.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DAY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. SF 080238A	
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REST. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR J. Gregory Merrion and Robert L. Bayless		7. UNIT AGREEMENT NAME	
4. ADDRESS OF OPERATOR P.O. Box 507, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Chaco	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790 FNL and 790 FWL At top prod. interval reported below same At total depth same		9. WELL NO. 4	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT N.I.I.P. Picture Cliff	
DATE ISSUED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 7, T26N, R12W	
15. DATE SPECDED 4-11-77		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 4-25-77		13. STATE N.M.	
17. DATE COMPL. (Ready to prod.) 5-02-77		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5991 G.R.	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 1300 ft.	
21. PLUG, BACK T.D., MD & TVD 1268 ft.		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY O-TD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1163-89 ft. Picture Cliff	
25. WAS DIRECTIONAL SURVEY MADE no		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction, Gamma Ray Density	
27. WAS WELL CORED no		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number) 1163-66 w/4 PF 1173-89 w/4 PF		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <i>Steven J. Lunsdale</i>		DATE May 17, 1977	

*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PENORAGON ENERGY PARTNERS, INC.

3. Address and Telephone No.

621-17th ST. #750 DENVER, COLO. 80293

303-296-9402

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' FHL + 790' FWL SEC. 7 - T26N-R12W, NMPH

5. Lease Designation and Serial No.

S#080238-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

CHACO 4

9. API Well No.

30-045-22410

10. Field and Pool, or Exploratory Area

LAW PRUITLAND SAND AC

11. County or Parish, State

SAN JUAN, NEW MEXICO

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other CHANGE OF OPERATOR

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

EFFECTIVE FEBRUARY 1, 1996 THE OPERATOR OF THIS WELL WILL CHANGE FROM J. K. EDWARDS ASSOCIATES, INC. TO PENORAGON ENERGY PARTNERS, INC.

EFFECTIVE FEBRUARY 1, 1996, PENORAGON ENERGY PARTNERS, INC. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED ON THE LEASED LANDS OR A PORTION THEREOF UNDER BLM BOND # 9009300 ISSUED BY FARWEST INSURANCE CO.

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title PRESIDENT

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD

MAR 11 1996

FARMINGTON DISTRICT OFFICE

BY [Signature]

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

ATTACHMENT TO FORM 3160-5 (SUNDRY NOTICES AND REPORTS ON WELLS)

LEASE NO.	WELL NAME & NO.	LOCATION OF WELL	API NO.	FIELD/POOL	COUNTY
SF-079086	Canada Mesa 2	1850' FSL & 790' FEL	30-039-20571	Basin Dakota	Rio Arriba
SF-079086	Canada Mesa 3	790' FNL & 790' FEL	30-039-20632	Basin Dakota	Rio Arriba
SF-079086	Canada Mesa 4	790' FNL & 790' FEL	30-039-23183	Devils Fork Gallup/Basin Dakota	Rio Arriba
SF-078874	Canyon Largo Unit No. 185	1650' FSL & 1600' FWL	30-039-20521	Devils Fork Gallup/Basin Dakota	Rio Arriba
NM-0560223	Frew Federal 1	1800' FSL & 1600' FEL	30-045-22052	WAW Fruitland Sand PC	San Juan
NM-0560223	Frew Federal 2	1190' FSL & 1600' FWL	30-045-22477	WAW Fruitland Sand PC	San Juan
NM-22046	Chaco No. 2	980' FSL & 1807' FWL	30-045-22310	WAW Fruitland Sand PC	San Juan
NM-22046	Chaco No. 2R	1850' FSL & 1850' FWL	30-045-23691	WAW Fruitland Sand PC	San Juan
NM-31059	Dome Federal 14-26-13-2	1530' FNL & 1790' FEL	30-045-23526	WAW Fruitland Sand PC	San Juan
SF-081102A	Frontier 1	1850' FSL & 1850' FWL	30-045-06033	Gallegos Gallup	San Juan
SF-078874	Canyon Largo Unit 311	2154' FNL & 1850' FWL	30-039-22887	Devils Fork Gallup	Rio Arriba
SF-078874	Canyon Largo Unit 302	1830' FSL & 1650' FEL	30-039-22684	Devils Fork Gallup	Rio Arriba
SF-078877	Canyon Largo Unit 306	1850' FSL & 2150' FWL	30-039-23083	Devils Fork Gallup	Rio Arriba
Add. 1840' fsl & 1805' fel Sec. 28, T25N, R4W					Rio Arriba
Nm 05581411 Old Rock Can 3					

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0131
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Merrion Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 840, Farmington, New Mexico 87499

(505) 327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Various location -- see attached list

5. Lease Designation and Serial No.

Various - see list

6. If Indian, Allotment or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Various - see list

9. API Well No.

See list

10. Field and Pool, or Exploratory Area

See List

11. County or Parish, State

See List,
New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other remedial work

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Merrion Oil & Gas Corporation plans to remediate the pits on the following locations (see attached list) for 1994.

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Engineer Date 2/15/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations or to any officer within its jurisdiction.

*See instruction on Reverse Side

INSTRUCTIONS

This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below, or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 88, below regarding separate reports for separate completions. If a well is completed for multiple completions, a separate report (page) on this form, adequately identified, should be submitted for each additional interval to be separately produced, showing the details of any multiple stage cementing and the location of the cementing tool. Item 24, "Sack Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Item 33. Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 41. If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18. Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24. If this well is completed for separate production from more than one interval zone (multiple completion) so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 88. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the details of any multiple stage cementing and the location of the cementing tool. Item 33. Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

SUMMARY OF FORMS TO BE COMPLETED

SHOW ALL IMPORTANT ZONES OF PRODUCTIVITY AND CONTAINING THERMAL DATA. ALL INTERVALS TESTED, CEMENT USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Geologic Markers

Geologic Markers

Geologic Markers

Geologic Markers

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Geological Survey
Department of the Interior
United States

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R385.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM-22046	
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. LEVEL ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR J. Gregory Merrion & Robert L. Bayless		7. UNIT AGREEMENT NAME	
4. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401		8. FARM OR LEASE NAME Chaco	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1850 FSL & 1850 FWL At top prod. interval reported below same At total depth same		9. WELL NO. 2-R	
10. FIELD AND POOL OR WILDCAT WAW Fruitland/Pic. Cl		11. SEC. T. R. OR BLOCK AND SURVEY Sec. 7, T26N, R12W	
12. PERMIT NO.		12. COUNTY OR PARISH San Juan	
13. DATE SPUDDED 10-02-79		13. DATE T.D. REACHED 10-04-79	
14. DATE COMPL. (Ready to prod.) 01-14-80		14. ELEVATIONS (DF, XEB, RT, OR, ETC.) 5954' GL	
15. TOTAL DEPTH, MD & TVD 1248'		15. PLUG BACK T.D., MD & TVD 1213'	
16. IF MULTIPLE COMPL. HOW MANY*		16. INTERVALS DRILLED BY ROTARY TOOLS ☒ CABLE TOOLS ☐	
17. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs @ 1132-1142'		17. WAS DIRECTION SURVEY MADE no	
18. TYPE ELECTRIC AND OTHER LOGS RUN IES Induction Log, Correlation Log.		18. WAS WELL CORED no	
19. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
7"	25	95'	9"
2-7/8"	6.5	1249'	5"
CEMENTING RECORD		AMOUNT PULLED	
.50 sacks			
100 sacks Class "A" Econo-Fill and			
60 sacks Class "A"			
20. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*
21. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
22. PERFORATION RECORD (Interval, size and number)			
1132-1142' w/2-1/8" glass jets, 2/PF			
23. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
24. PRODUCTION			
DATE FIRST PRODUCTION 01-14-80	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 01-14-80	HOURS TESTED 1	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD 0
OIL—BBL. 0	GAS—MCF. 150/day	WATER—BBL. 0	GAS-OIL RATIO 0
FLOW. TUBING PRESS. 18	CASING PRESSURE 18	CALCULATED 24-HOUR RATE 0	OIL GRAVITY API (CORE) 0
25. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented			
26. LIST OF ATTACHMENTS			
27. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <i>Allen S. [Signature]</i>		TITLE Engineer	

*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR

J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

P. O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1850 FSL & 1850 FWL

AT TOP PROD. INTERVAL: same

AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) run siphon string ☒

RECEIVED

APR 14 1980

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

3-28-80 First sale 12:30 p.m.; rate 122 MCF/day; .750" plate.

4-01-80 Run siphon string to 1142'. Rig up to sell gas.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Operator

DATE April 11, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

APR 17 1980

*See Instructions on Reverse Side

OPERATOR

FARMINGTON DISTRICT

BY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other ☐

2. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

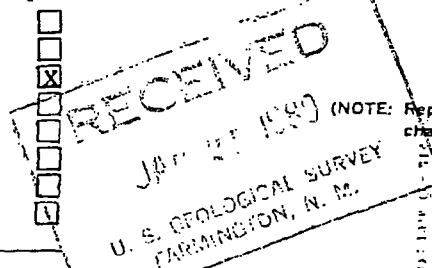
3. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850 FSL & 1850 FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

01-11-80 Rig up Farmington Well Service and Blue Jet Correlation log from PBTD 1213' to 900' and from 550' to 800'. Perforated Pictured Cliffs 1132' to 1142' with 2 1/2" glass jets 2/PF, 20 holes. Swabbed dry. Flowing at 100 MCF per day. Blowing to clean up.

01-14-80 SIP: 152 PSIG
Flow Rate: 150 MCF/day, 1/2" plate, 18

Subsurface Safety Valve: Manu. and Type _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Engineer DATE Jan 21 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

*See Instructions on Reverse Side

FARMINGTON DISTRICT

BY _____

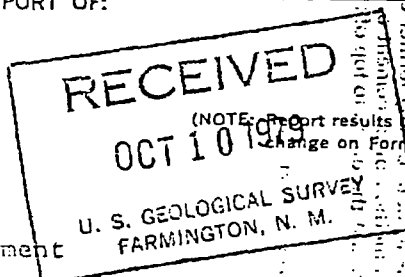
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other
2. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Rayless
3. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850 FSL & 1850 FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
- TEST WATER SHUT-OFF ☐ ☐
- FRACTURE TREAT ☐ ☐
- SHOOT OR ACIDIZE ☐ ☐
- REPAIR WELL ☐ ☐
- PULL OR ALTER CASING ☐ ☐
- MULTIPLE COMPLETE ☐ ☐
- CHANGE ZONES ☐ ☐
- ABANDON* ☐ ☐
- (other) Drill to TD, Log, Run Casing, Cement



5. LEASE
M-22046
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Chaco
9. WELL NO.
2-R
10. FIELD OR WILDCAT NAME
WAW Fruitland Pic. Cliffs
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 7, T26N, R12W
12. COUNTY OR PARISH
San Juan
13. STATE
N.M.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5954 ft. GL

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 10-02-79: Rig up L & B Speed Drill, spud well; set 95 ft. of 7", 23 lb./ft. J-55 casing with 50 sacks. Circulated to surface.
- 10-03-79: Drilling @ 700 ft. Well blew out while making connection @ 485 ft. Making est. 300 MCF/day. Closed blowout preventer, killed well with mud, drilling ahead.
- 10-04-79: Drilled to TD @ 1248 ft. Ran Wellex IES Induction log, 1248 ft. to surface.
- 10-05-79: Lay down drill pipe, run 54 jts. 2-7/8" EUE 10-V C-45 6.5 lb./ft. yellow band casing. Landed @ 1249 ft. GR. PBTD 1225. Rig up National Cementers, cement casing with 100 sacks Class "A" Econo-Fill cement followed by 60 sacks Class "A" cement. Good circulation throughout; circulated approximately 5 sacks back to surface. Bumped plug @ 4:00 p.m. WOCT.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Engineer DATE October 8, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

*See Instructions on Reverse Side

FRACTURE TREATMENT

Formation Pictured Cliff ge No. 1 ate 1/31/95

Operator J. K. EDWARDS ASSOCIATES INC. Lease and Well Chaco #2-R

Correlation Log Type _____ From _____ To _____

Temporary Bridge Plug Type _____ Set At _____

Perforations 1132-1142' (Existing Perfs)
Per foot type _____

Pad 7000 gallons. Additives 70% Nitrogen foam.
All fluid was produced water with 20# of linear gel/1000
gall, foamer, bateriacide, ph buffers and enzyme breaker.

Water _____ gallons. Additives _____

Sand 5800# 40/70 at 1/2-1 ppg
27100# 20/40 lbs. Size at 1-3 ppg
6000# 12/20 at 3 ppg

Flush _____ gallons. Additives _____
Flushed to top perf with water

Breakdown _____ psig

Ave. Treating Pressure 1800 psig

Max. Treating Pressure 2050 psig

Ave. Injection Rate 30 BPM

Hydraulic Horsepower _____ HHP

Instantaneous SIP 550 psig

5 Minute SIP 510 psig

10 Minute SIP 480 psig

15 Minute SIP 470 psig

Ball Drops: _____ Balls at _____ gallons _____ psig
increase
_____ Balls at _____ gallons _____ psig
increase
_____ Balls at _____ gallons _____ psig
increase

Remarks: TOTAL FLUID - 230 bbls TOTAL NITROGEN - 212,000 SCF
Dropped foam quality to 65% during 2 ppg stage **Walsh** ENGINEERING & PRODUCTION CORP.
due to high pressure.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J. K. EDWARDS ASSOCIATES, INC.

3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, N.M. 87402

505 327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1850'FSL & 1850'FWL

Section 7, T26N, R12W

5. Lease Designation and Serial No.

NM-22046

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Chaco #2R

9. API Well No.

30-045-23691

10. Field and Pool, or Exploratory Area

WAW FTS/PC

11. County or Parish, State

San Juan Co., N.M.

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other See Below
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FRACTURE TREATMENT

14. I hereby certify that the foregoing is true and correct

Signed Paul C. Thompson

Title Paul C. Thompson, Agent

Date 2/17/95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

MAR 15 1995

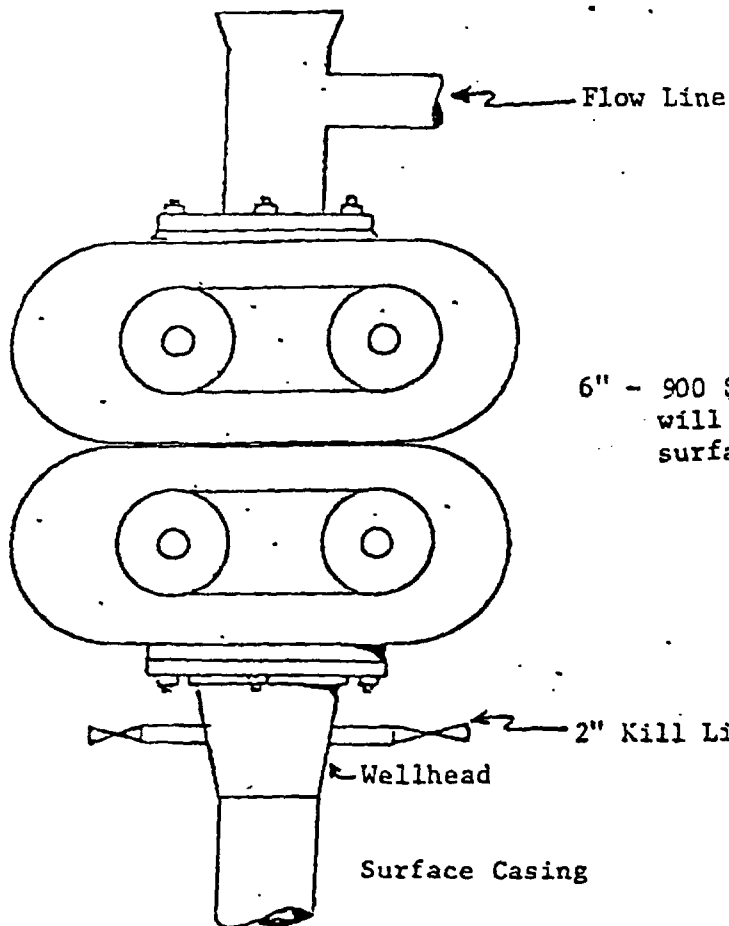
FARMINGTON DISTRICT OFFICE

OPERATOR

SURFACE WELL CONTROL EQUIPMENT

MERRION & BAYLESS
Chaco #2-R
Section 7, T26N, R12W
San Juan County, New Mexico

MERRION~BAYLESS		DRAWN BY	REVISD
		APPROVED BY:	
SCALE:	DATE:	SCHEMATIC	
		DRAWING NUMBER	



6" - 900 Series Mechanical Double Ram BOP which will be tested to 500 PSIG after setting of surface casing

2" Kill Line with 2000 WOG Ball Valve

Wellhead

Surface Casing

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDAY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850 FSL and 1850 FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF ☐	☐
FRACTURE TREAT ☐	☐
SHOOT OR ACIDIZE ☐	☐
REPAIR WELL ☐	☐
PULL OR ALTER CASING ☐	☐
MULTIPLE COMPLETE ☐	☐
CHANGE ZONES ☐	☐
ABANDON* ☐	☐

(other) Amend 9-331C dated 08-17-79

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

*Amended surface well control equipment:
See attached schematic of Blowout Preventer.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Co-Owner DATE September 18, 1979

(This space for Federal or State office use)

APPROVED **APPROVED**

TITLE _____ DATE _____

SEP 27 1979
DAVID MALDONADO
DISTRICT OIL & GAS SUPERVISOR

*See Instructions on Reverse Side

OPERATOR

5. LEASE
NM 22046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Chaco

9. WELL NO.
2-R

10. FIELD OR WILDCAT NAME
WAW Fruitland Pic. Cliffs

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 7, T26N, R12W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

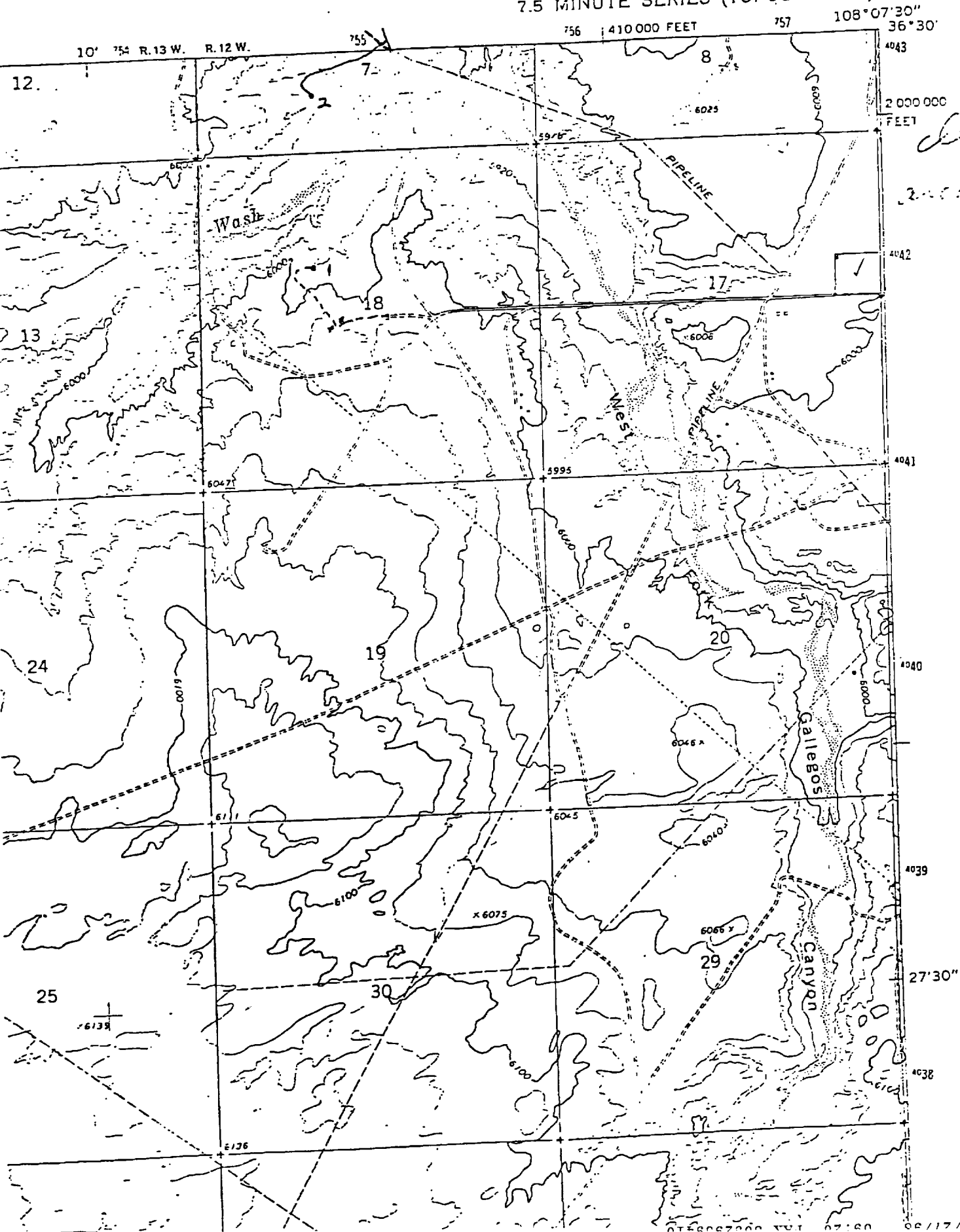
14. API NO.

15. ELEVATIONS (SHOW DE KDB AND WD)
5954 ft. GL

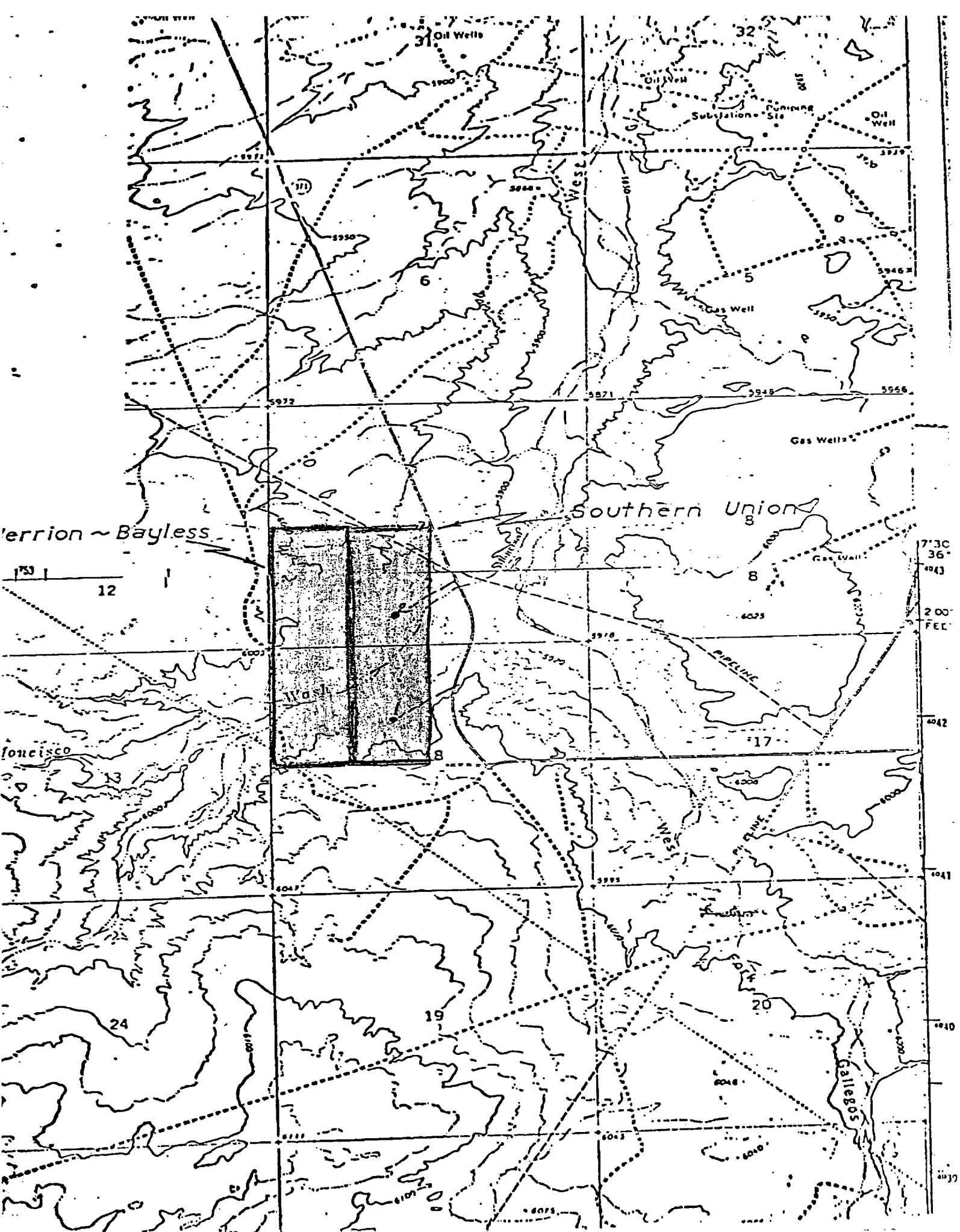
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

MONCISCO WASH QUADRANGLE
 NEW MEXICO - SAN JUAN CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)

4357' N. (GALLEOS TRADING POST)



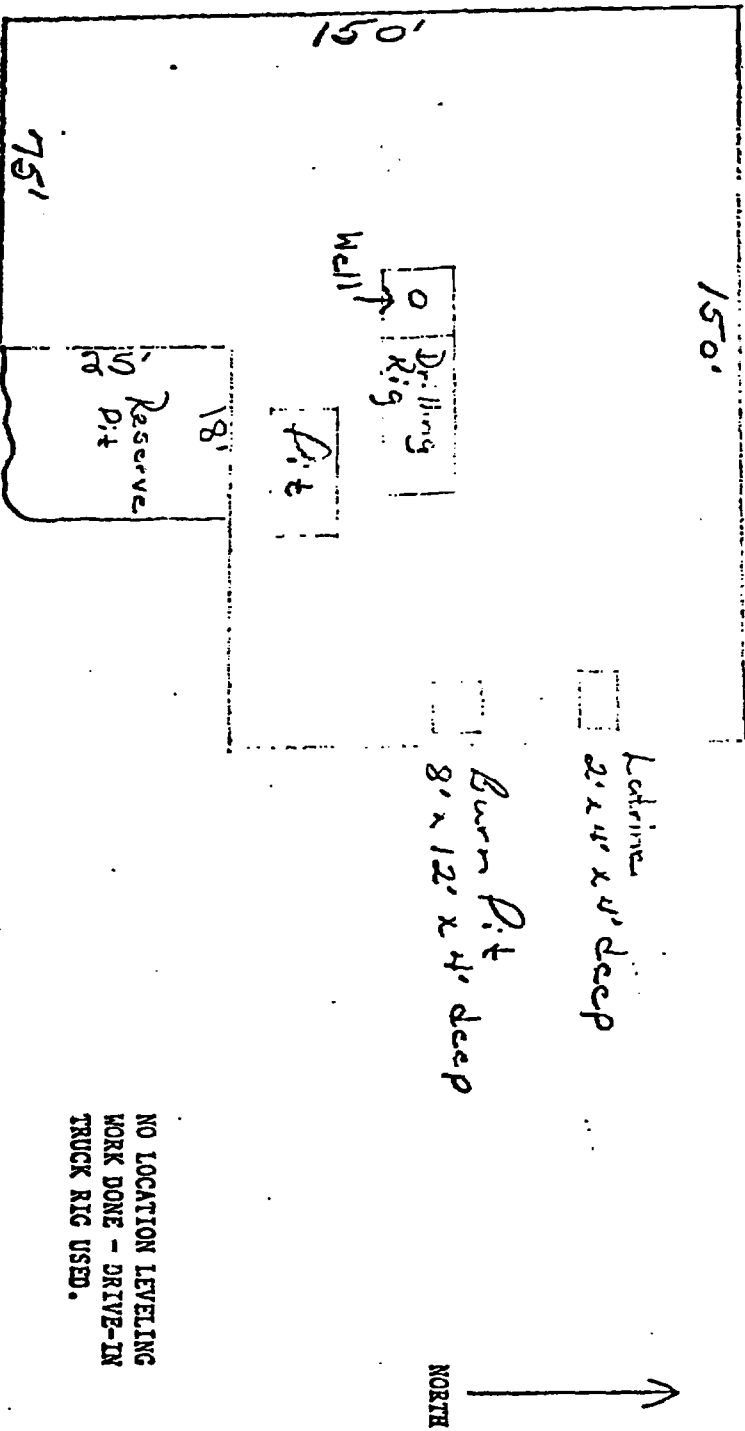
Jim T
2000000



LOCATION AND EQUIPMENT LAY-OUT

Shallow Wells

MERRION & BAYLESS
Chaco #1
Section 18, T26N, R12W



NO LOCATION LEVELING
WORK DONE - DRIVE-IN
TRUCK RIG USED.

NTL-6 REQUIREMENTS

CHACO #1
Section 18, T26N, R12W
San Juan County, New Mexico

- 1 & 2. A topographical map is attached showing location of drill site and access roads to location. The terrain is relatively flat and no new roads will be built. A drive-in truck-mounted drilling rig will be used and will be driven in to the location with our road work.
3. Wells within one mile radius are shown on the topographical map.
4. There are no existing or proposed facilities.
5. Water will be hauled from the San Juan River by truck.
6. No construction materials will be used.
7. Drill cuttings will be placed in a pit and covered when dry and location will be cleaned after work on well is completed.
8. No ancillary facilities.
9. Well site layout attached.
10. Restoration of drillsite -- pits will be filled and leveled and area reseeded to BLM specifications.
11. Other information: the drillsite is fairly level, arid land with very little vegetation. There is no other surface use or facilities existent. An archeological survey statement will be furnished.
12. Operator representative:

Robert L. Bayless
P.O. Box 1541
Farmington, New Mexico 87401
Office Phone: 325-5093
Res. Phone: 325-8985

13. Certification:

I hereby certify that I, or persons under by direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by MERRION & BAYLESS and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

12-27-76
Date

Robert L. Bayless
Name and Title

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

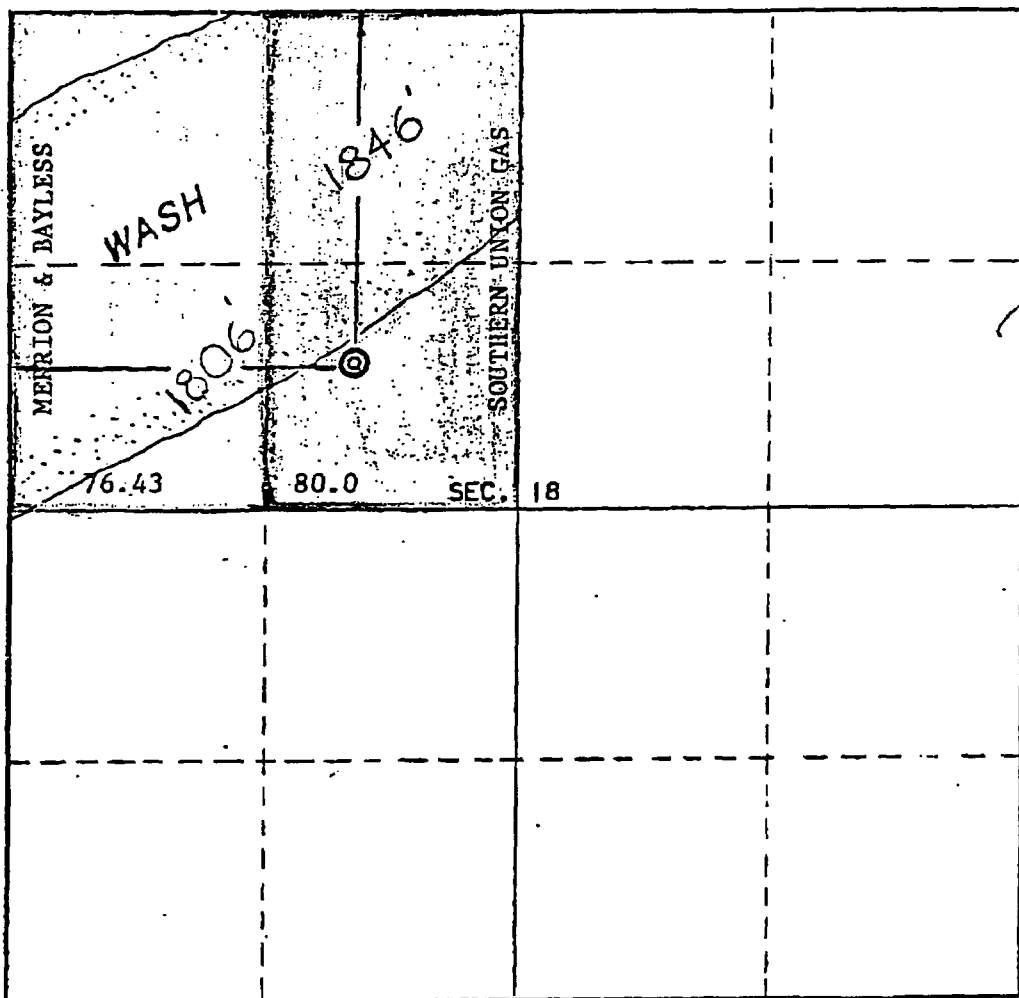
Operator MERRION & BAYLESS			Lease Chaco		Well No. 1
Unit Letter F	Section 18	Township 26 North	Range 12 West	County San Juan	
Actual Footage Location of Well: 1846 feet from the North line and 1806 feet from the West line					
Ground Level Elev. 5989	Producing Formation Pictured Cliffs		Pool Wildcat	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name

Position

Co-Owner

Company

Merrion & Bayless

Date

January 10, 1977

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

Date Surveyed

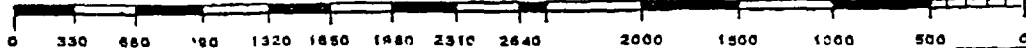
January 9, 1977

Registered Professional Engineer
and/or Land Surveyor

E. V. Echolaw

Certificate No. 3602

E.V. Echolaw



AMENDED REPORT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			D. LEASE DESIGNATION AND SERIAL NO. NM22046	
B. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐			8. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR J. Gregory Merrion and Robert L. Bayless			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, New Mexico 87401			8. FARM OR LEASE NAME Chaco	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1846 FNL and 1806 FWL At proposed prod. zone Same			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 18, T26N, R12W	
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 156.43			13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOL Rotary	
19. PROPOSED DEPTH 1400			22. APPROX. DATE WORK WILL START* January 15, 1977	
21. ELEVATIONS (Show whether DF, BT, GR, etc.) 5989 GL				

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7-7/8	5-1/2	15.5	30	10 Sax
4-3/4	7-7/8	6.4	1350	100 Sax

Will drill 7-7/8" hole to 30 ft. and set 30 ft. of 5-1/2", 15.5 lb. casing with 10 sax cement. Will drill 4-3/4" hole to 1350 ft. and run logs. If appears productive, will run 1350 ft. of 2-7/8", 6.4 lb., J-55 casing and cement with 100 sax. Will perforate and stimulate as required.

APPROVED

JAN 11 1977

E. I. McGRATH

DISTRICT ENGINEER

JAN 11 1977

GEOLOGICAL SURVEY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robert L. Bayless TITLE Co-Owner DATE 01-10-77
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

G.P.O. : 1973-780-622 /V111-14B

build-up. Final pressure 140 PSIG. Ran in with swab; no water in hole. Perforated middle zone 1126-28 ft. G.L. per Electric log with 2 SPF. Noted slight increase in gas to 45 MCF/day gauged on 1/4" plate. Shut well in for 15 minute pressure build-up to 130 PSIG. Perfed top zone 1113-19 ft. G.L. per Electric log with 2 SPF. Immediate increase of gas to surface. Gauged initial flow rate for 15 minutes at 320 MCF/day on a 1/2" plate. Shut in pressure to 240 PSIG in 30 seconds. Released rig and shut well in.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instruction, reverse side)

DATE

Form approved,
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 22046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chaco

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 18, T26N, R12W

12. COUNTY OR PARISH 13. STATE

San Juan

N.M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1846 FNL and 1806 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, GR, etc.)

5989 G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Well Completion

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

02-17-77: Moved in L&B Speed Drill; drilled 7-7/8" hole to 39 feet and ran 39 feet of
5-1/2", 15.5#, J-55 casing and cemented with 8 sax cement. Finished at 8:00 p.m.
02-16-77.

02-18-77: Drilling at 400 ft.

02-19-77: Drilling at 700 ft.

02-20-77: Drilling at 1000 ft.

02-22-77: TD at 1350 ft.

02-23-77: Ran Electric, Sonic, and Density Logs (5989 ft. G.L. reference datum).

02-24-77: Ran 43 joints of 2-7/8", NUE, 10V, J-55 blue band casing (M.L. - 1341.21 ft.).

Set at 1340 ft. G.L. Cemented casing with 100 sax of class "G" cement.

Wiper plug down at 3:30 p.m. Bumped with 1000 PSIG.

03-03-77: Moved in swabbing unit and rigged up (Drake Well Service). Rigged up Blue Jet
perforators. Ran cement bond log from P.B.T.D. to 700 ft. PBTD by log at
1187 ft. G.L. Log indicated excellent bond to top of cement at 830 ft. G.L.
Swabbed fluid level down to 900 ft. G.L., ran Gamma Ray Collar Correlation log
from PBTD to surface. Perforated lower zone 1134-39 ft. G.L., per Electric
log with 2 SPF. Received immediate gas to surface, no liquid. Ran swab; found
water level at 875 ft. G.L. EST. Made a run and pulled most of the water out
of the hole. Gauged at 35 MCF/day on a 1/4" plate. Shut well in for 15 minute
(Over)

18. I hereby certify that the foregoing is true and correct

SIGNED Steven L. ShumTITLE EngineerDATE March 7, 1977

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

MAR 8 1977

*See Instructions on Reverse Side

REV DATE: 9-8-92ATTACHMENT
ALTERNATIVE METHOD

LOW FLOW WELL LISTING

Operator Code 5997
Operator Name Merrion Oil & Gas Corp.

METER NO.	WELL NAME	STATE	AREA LOCATION	TEST PERIOD MCF	TEST PERIOD FLOW HOURS	TIME CALC. HOURLY RATE MCF	AGREED VOLUME DAILY RATE MCF	WELL VOLUME CLOSED CONDITIONS
02-625	Chaco Plant 1 & 2 CPD	NM-31	Aztec	1068	2618.5	0.4	9.6	TC
75-864	Rock House Canyon #1	NM-31	Chaco	20	39.2	0.51	12.24	TC
90-282	Jicarilla 428 # 7	NM-31	Chaco	1302	2781.9	0.47	11.28	TC
90-739	Hanlad Fed #2 FR PC CMGLD	NM-31	Chaco	53	568.5	0.09	0.72	Code 29 off 33% AV
93-106	Hi-Roll #2R	NM-31	Aztec	2354	4107.2	0.57	13.68	TC
93-288	East Udrith #3	NM-31	Chaco	678	1195.9	0.56	13.44	TC
93-791	Bonanza #5	NM-31	Chaco	1438	2429.1	0.59	14.16	TC
94-052	Bonanza #8	NM-31	Chaco	1422	2326.7	0.61	14.64	TC
94-180	Salazar G-34 #1	NM-31	Chaco	200	354.9	0.56	13.44	TC
94-303	Dome Federal 18-27-13 #2	NM-31	Aztec	761	1837.1	0.41	9.84	TC
94-566	Rita Com #1	NM-31	Chaco	510	2086.1	0.24	5.76	TC
94-722	Salazar G Com 28 #1	NM-31	Chaco	594	1002.4	0.59	14.16	TC

TC = Time Calculated Volume (Hourly)

AV = Agreed Upon Volume (Daily)

ACCEPTED BY : _____

All distances must be from the outer boundaries of the Section.

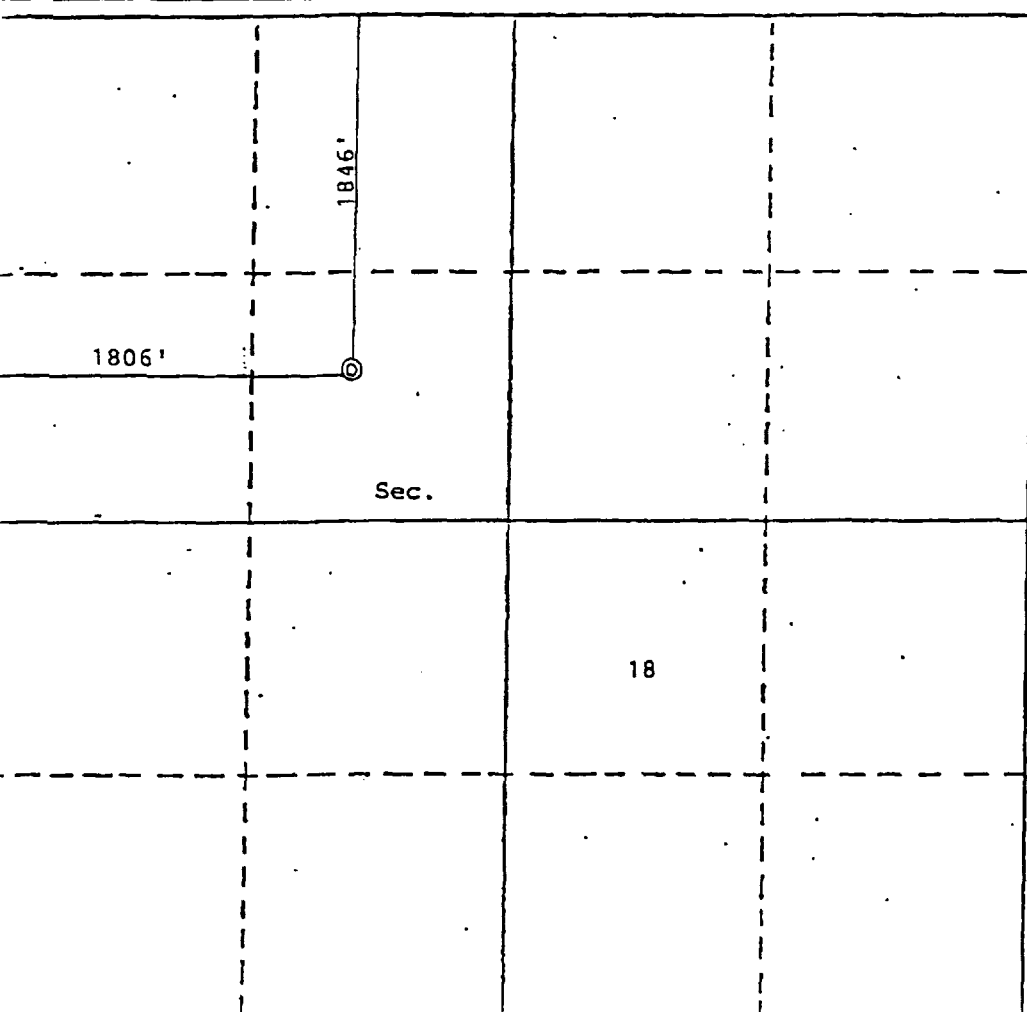
Operator MERRION OIL & GAS CORP.		Lease Chaco		Well No. 1
Well Letter F	Section 18	Township 26N	Range 12W	County San Juan
Actual Postage Location of Well: 1846 feet from the North line and 1806 feet from the West line				
Ground Level Elev. 5989	Producing Formation Pictured Cliffs	Pool WAW FRUITLAND PICTURED CLIFFS SAND	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

Signature: *Steven S. Dunn*
Name: Steven S. Dunn

Position: Operations Manager

Company: Merrion Oil & Gas Corp.

Date: 12/28/88

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey 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: 12/28/88

Registered Professional Engineer and/or Land Surveyor

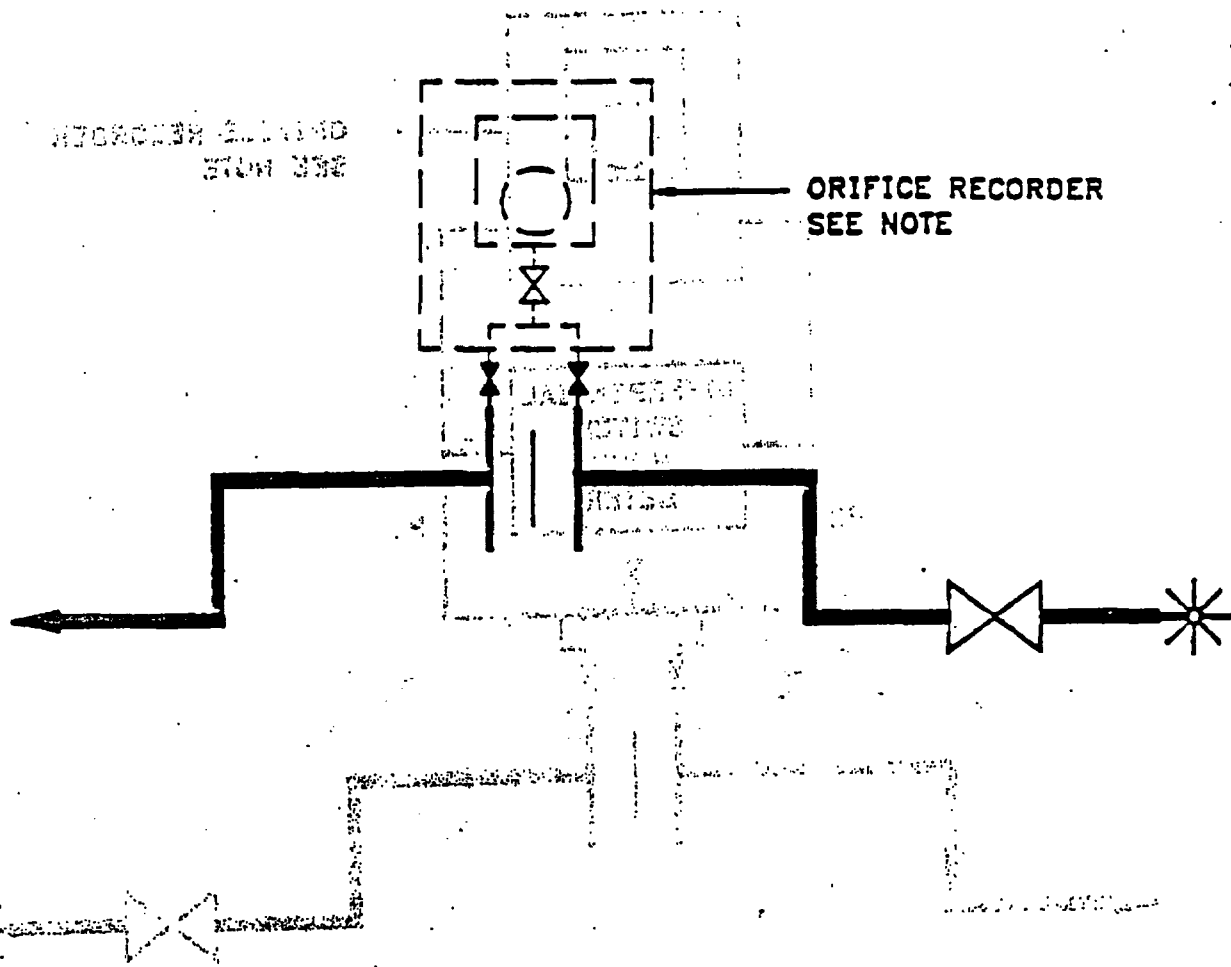
Certificate No.

ATTACHMENT A

EMULSION DETAILING UNIT
AGREED VOLUME

ALTERNATIVE METHOD SCHEMATIC

WITH HIGH-PRESSURE DETECTOR AND ORIFICE RECORDER
 FOR EMULSION UNIT DETAILING UNIT ONLY
 PRIMARY ELEMENT USED FOR ANNUAL TEST

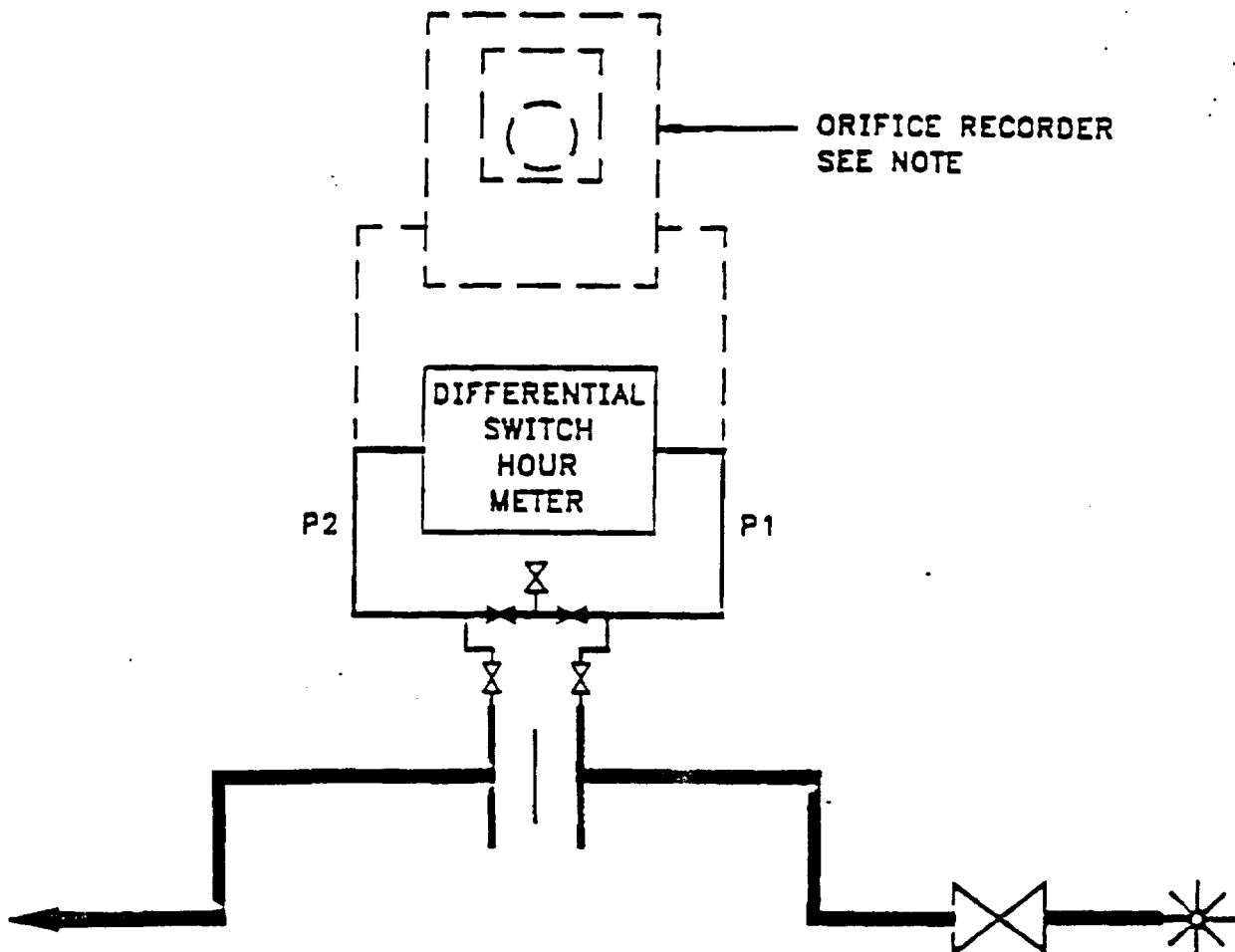


ORIFICE RECORDER TEMPORARILY INSTALLED
 ONLY TO CONDUCT 16 DAY ANNUAL TEST

TIME CALCULATED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT AND DIFFERENTIAL SWITCH/HOUR METER
USED FOR FLOW TIME DETECTION AND ANNUAL TEST



NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

ATTACHMENT A

BASIC HOURLY FLOW RATE CALCULATION METHODS

1. Average Hourly Flow Rate (MCF)

a. Annual or Test Period Measured Volume (MCF) = Average Hourly Flow Rate (MCF) x Annual or Test Period Flow Hours

b. Example: $\frac{3365 \text{ MCF}}{5877.8 \text{ Hours}} = 0.57 \text{ MCF/Hour Average Flow Rate}$

2. Average Daily Hourly Flow Rate (MCF)

a. Average Hourly Flow Rate (MCF) X 24 = Average Daily Flow Rate (MCF/D)

b. Example: $0.57 \text{ (Average Hourly MCF)} \times 24 = 13.68 \text{ MCF (Average Daily Flow Rate)}$

3. "Time Calculated Volume" Formula

a. Flow Meter Hours X Average MCF Hourly Flow Rate = Volume (MCF)
Volume (MCF) X BTU Factor = MMBTU (dth) for Period Indicated

b. Example: $1971 \text{ (Hours)} \times .31 \text{ (MCF)} = 611 \text{ MCF}$
 $611 \text{ MCF} \times 1097 \text{ BTU} = 670 \text{ MMBTU (dth) for the Period Indicated}$

4. "Agreed Volume" Formula

a. Annual or Test Period Measured Flow Volume = "Average Hourly" MCF
Annual or Test Period Flow Hours

"Average Hourly" MCF X 24 = Daily MCF Flow Volume

Daily MCF Flow Volume X Percent Stipulated Flow Time (i.e. Cycle Flow) = Average Daily MCF Flow Volume

b. Example: $31 \text{ (days)} \times 4 \text{ (MCF)} = 124 \text{ MCF}$
 $124 \text{ MCF} \times 1097 \text{ BTU} = 136 \text{ MMBTU (dth) for the month}$

**ALTERNATIVE MEASUREMENT
REQUEST FORM
FOR TIME CALCULATED VOLUME
(1-5 Dth Per Day) &
(5-15 Dth Per Day)**

I hereby request government approval for use of this Alternative Measurement method of marginal low flow wells. I have consented, upon receipt of all necessary regulatory approvals, to El Paso Natural Gas Company's installation and use of the Alternative Measurement method described below for my low flow natural gas well(s) producing into El Paso's pipeline system.

1. Reason for Proposal

Try to reduce likelihood of well shut-in and loss of production due to uneconomical operations. Low flow production wells incur most of the same fixed costs experienced for wells producing much greater amounts of natural gas, but do not enjoy the same economics of scale. Therefore, the per unit cost of measurement for low flow wells(s) can be unacceptably high for a prudent operator.

Failure to approve use of this Alternative Measurement could result in premature abandonment of production from these low flow wells.

2. Explanation and Diagram

Please refer to the detailed explanation of the Alternative Measurement method to be used and the schematic flow diagram provided as Attachment A.

3. Map and Lease Numbers

Well Location and Acreage Dedication Plats for each well listing all lease, communitization, and Unit numbers and showing the location of these properties is provided as Attachment B.

4. Schematic Diagram and Location of Equipment

Please refer to information provided with items numbers 2 and 3 above.

5. Estimated Lease Production

A table listing the estimated hourly or daily production rate for each well on the lease, communitization, or Unit property is provided as Attachment C.

6. Additions to Approved Commingling or Off-Lease Measurement

None are proposed.

Distributions: 0+4 (BLM); 1 - Well File

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Merrion Oil & Gas corporation

3. Address and Telephone No.

P. O. Box 840, Farmington, NM 87499

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Various locations (see attachments)

26N-12W

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NM 22046

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd 53rd 54th 55th 56th 57th 58th 59th 60th 61st 62nd 63rd 64th 65th 66th 67th 68th 69th 70th 71st 72nd 73rd 74th 75th 76th 77th 78th 79th 80th 81st 82nd 83rd 84th 85th 86th 87th 88th 89th 90th 91st 92nd 93rd 94th 95th 96th 97th 98th 99th 100th 101st 102nd 103rd 104th 105th 106th 107th 108th 109th 110th 111th 112th 113th 114th 115th 116th 117th 118th 119th 120th 121st 122nd 123rd 124th 125th 126th 127th 128th 129th 130th 131st 132nd 133rd 134th 135th 136th 137th 138th 139th 140th 141st 142nd 143rd 144th 145th 146th 147th 148th 149th 150th 151st 152nd 153rd 154th 155th 156th 157th 158th 159th 160th 161st 162nd 163rd 164th 165th 166th 167th 168th 169th 170th 171st 172nd 173rd 174th 175th 176th 177th 178th 179th 180th 181st 182nd 183rd 184th 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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM 22046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chaco

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

NIPP Pic. Cliff

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 18, T26N, R12W

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

1. OIL
WELL ☐ GAS
WELL ☒ OTHER

2. NAME OF OPERATOR

J. Gregory Merrion and Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1846 FNL and 1806 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

5989 G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other).

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Running Tubing

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10-08-77 Rig up Farmington Well Service. Blow well down @ 11:00 A.M. Run 1120 ft. of 1" IJ tubing. Landed tubing, made up wellhead and put back on line at approximately 4:00 P.M. Making an estimated 118 MCF/day from El Paso meter.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Engineer

DATE

10-11-77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OCT 12 1977

*See Instructions on Reverse Side

FRACTURE TREATMENT

Formation NIIP PC Stage No. 1 Date 1/26/95

Operator J. K. EDWARDS ASSOCIATES INC. Lease and Well Chaco #1

Correlation Log Type _____ From _____ To _____

Temporary Bridge Plug Type _____ Set At _____

Perforations 1113'-1139'
Per foot type _____

Pad 7000 gallons. Additives 70% Nitrogen. All
fluid was produced water with 20# linear gel/1000 gal,
foamer, bactericide, ph buffers and enzyme breaker.

Water _____ gallons. Additives _____

Sand 5000# 40/70 at 1/2-1 ppg
25000# 20/40 lbs. Size at 1-3 ppg
5000# 12/20 at 3 ppg

Flush _____ gallons. Additives _____
Flushed to top perf with water.

Breakdown _____ psig

Ave. Treating Pressure 1100 psig

Max. Treating Pressure 1340 psig

Ave. Injection Rate 30 BPM

Hydraulic Horsepower _____ HHP

Instantaneous SIP 390 psig

5 Minute SIP 340 psig

10 Minute SIP 310 psig

15 Minute SIP 280 psig

Ball Drops: _____ Balls at _____ gallons _____ psig
increase
_____ Balls at _____ gallons _____ psig
increase
_____ Balls at _____ gallons _____ psig
increase

Remarks: Total Fluid - 196 bbls. Total nitrogen - 138,000 SCF

Walsh ENGINEERING & PRODUCTION CORP.

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Designation and Serial No. NM-22046
2. Name of Operator J. K. EDWARDS ASSOCIATES, INC. 011307	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, New Mexico 87402 505 327-4892	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1846'FNL & 1806'FWL Section 18, T26N, R12W	8. Well Name and No. Chaco #1
	9. API Well No. 30-045-22309
	10. Field and Pool, or Exploratory Area NIIP Pictured Cliffs
	11. County or Parish, State San Juan Co. N.M.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment
☒ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☒ Other See Below
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routing Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FRACTURE TREATMENT.

14. I hereby certify that the foregoing is true and correct

Signed Paul C. ThompsonTitle Paul C. Thompson, AgentDate 2/20/95

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF. CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CEMENTION USED, TIME TOOL DOWN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		39. COMPLETION OR RECOMPLETION REPORT	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	
Picture Cliff	1113 ft.	1292 ft.	Gas, Water	Kirtland Fruitland Picture Cliff	111 ft. 464 ft. 1113 ft.		

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

971-233

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved
Budget Bureau No. 42-R355.1

3. LEASE DESIGNATION AND SERIAL NO.

NM-22046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chaco

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T. R. M. OR BLOCK AND SURVEY
OR AREA

Sec. 18, T26N, R12W

12. COUNTY OR
PARISH

San Juan

13. STATE

N.M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL ☐ GAS ☒ DRY ☐ Other

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESEV. ☐ Other

2. NAME OF OPERATOR

Merrion & Bayless

3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, N.M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1846 FNL and 1806 FWL

At top prod. interval reported below

At total depth same

At total depth same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

2/17/77

16. DATE T.D. REACHED

2/22/77

17. DATE COMPL. (Ready to prod.)

3/3/77

18. ELEVATIONS (OF. REB. RT. CR. ETC.)*

5989 G.R.

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

1350 ft. G.R.

21. PLUG. BACK T.D. MD & TVD

1137 ft. G.R.

22. IF MULTIPLE COMPL.
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

Surf-TD

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Picture Cliff (1113'-39') Gross Interval

25. WAS DIRECTIONAL
SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Electric, Acoustic, Density, Cement Bond, Collar

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5-1/2"	15.5	39	7-7/8"	w/8 sacks	
2-7/8"	6.5	1340	4-3/4"	w/100 sacks class "G"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

1113-19' w/2 PF

1126-28' w/2 PF

1134-39' w/2 PF

32. /CID. SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						Awaiting Connection	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/23/77	2	1/2"	→				
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
	62 PSIA	→	—	342	—		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Electric, Acoustic, Density, Cement Bond, Collar logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Engineer

DATE

March 29, 1977

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CEMENTION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS		39. WELL COMPLETION OR RECOMPLETION REPORT		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Picture Cliff	1113 ft.	1292 ft.	Gas, Water	Kirtland Fruitland Picture Cliff	111 ft. 464 ft. 1113 ft.	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-22046	
1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESEAL ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Merrion & Bayless		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, N.M. 87401		8. FARM OR LEASE NAME Chaco	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1846 FNL and 1806 FWL At top prod. interval reported below same At total depth same		9. WELL NO. 1	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T26N, R12W	
15. DATE SPUDDED 2/17/77		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 2/22/77		13. STATE N.M.	
17. DATE COMPL. (Ready to prod.) 3/3/77		18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 5989 G.R.	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 1350 ft. G.R.	
21. PLUG, BACK T.D., MD & TVD 1137 ft. G.R.		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY Surf-TD		ROTARY TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Picture Cliff (1113'-39') Gross Interval		CABLE TOOLS	
25. TYPE ELECTRIC AND OTHER LOGS RUN Electric, Acoustic, Density, Cement Bond, Collar		26. WAS DIRECTIONAL SURVEY MADE no	
27. WAS WELL CORED no		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number) 1113-19' w/2 PF 1126-28' w/2 PF 1134-39' w/2 PF		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) Awaiting Connection		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented	
35. LIST OF ATTACHMENTS Electric, Acoustic, Denisty, Cement Bond, Collar logs		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>Steven L. Lunn</u> TITLE <u>Engineer</u>		DATE <u>March 29, 1977</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

RECEIVED
BLM MAIL ROOM

DATE: 1-3-92

Page 1 of 2

92 FEB 11 AM 11:08

REV DATE: _____

FARMINGTON ATTACHMENT C
FARMINGTON ALTERNATIVE METHOD

LOW FLOW WELL LISTING

Operator Code 5997
Operator Name Merrion Oil & Gas Corp.

METER NO.	WELL NAME	STATE	AREA LOCATION	TEST PERIOD MCF	TEST PERIOD FLOW HRS	TIME CALC. HOURLY RATE MCF	AGREED VOLUME DAILY RATE MCF	WELL VOLUME CLOSED CONDITIONS
74-680	John F Brown #	NM-31	Chaco	452	1538	0.29	6.98	TC
89-623	Jicarilla Contract 429	NM-31	Chaco	1903	3218.9	0.59	14.16	TC
89-974	Choco Meter Run #5	NM-31	Chaco	1209	3939	0.3	7.2	TC
90-044	Chaco #4	NM-31	Chaco	2525	2901	0.35	8.4	TC
* 90-219	██████████	NM-31	Chaco	381	3161	0.12	2.88	* Code 08 AV
90-846	Frew Federal #15	NM-31	Chaco	2462	6069.1	0.4	9.6	TC
92-027	Rocky Mountain #1	NM-31	Chaco	915	3771.2	0.24	5.76	TC
92-048	Megabyte Com #1 DK	NM-31	Chaco	3983	6366.9	0.62	14.88	TC
93-017	Chaco Limited 2 J	NM-31	Chaco	989	4165.7	0.23	5.52	TC
93-107	Hi-Roller #1R	NM-31	Chaco	166	1367.8	0.12	2.88	AV
93-426	Badland Flats #2 PC	NM-31	Chaco	4119	5068	0.61	14.64	TC
93-472	Badland Flats #1	NM-31	Chaco	1971	5079.8	0.38	9.12	TC
93-922	East Lindrith #6	NM-31	Chaco	3408	5686.7	0.59	14.16	TC
94-064	Federal 25-26-13 #1	NM-31	Chaco	1941	5397.3	0.35	8.4	TC
94-461	Yarborough Federal #1	NM-31	Chaco	2465	7296	0.33	7.92	TC
94-465	Yarborough Federal B #1	NM-31	Chaco	1417	6109.4	0.23	5.52	TC

TC = Time Calculated Volume (Hourly)

AV = Agreed Upon Volume (Daily)

ACCEPTED BY: _____

15

See 3162.7-3 for Method of Measurement
Calculation Methods

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-79

All distances must be from the outer boundaries of the Section.

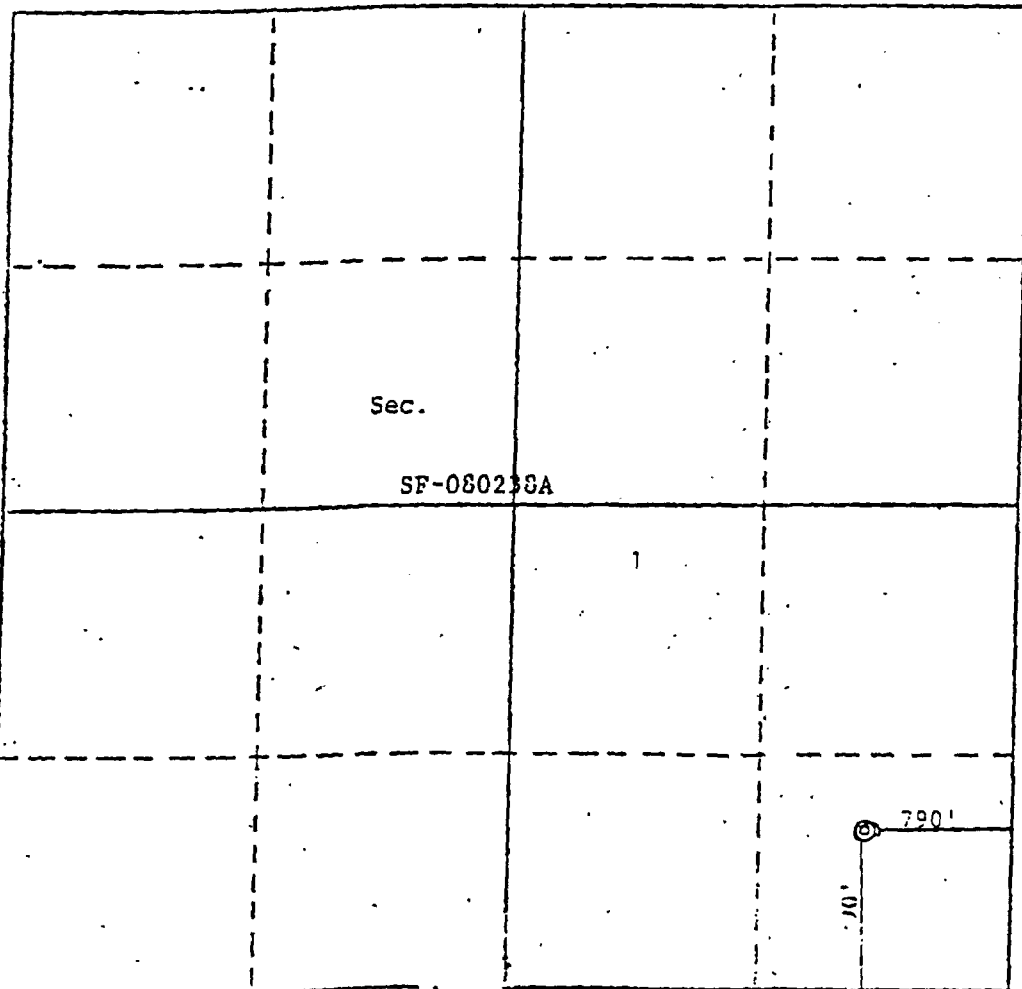
Operator MERRION OIL & GAS CORP.			Lease Chaco		Well No. 5
Unit Letter P	Section 1	Township 26N	Range 13W	County San Juan	
Actual Footage Location of Wells					
790 feet from the South line and 790 feet from the East line					
Ground Level Elev. 5979	Producing Formation Pictured Cliffs	Pool WAW Fruitland Pictured Cliffs Sand	Dedicated Acreage 160 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

Steven S. Dunn
Name

Steven S. Dunn

Position

Operations Manager

Company

Merrion Oil & Gas Corp.

Date

12/28/88

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

Registered Professional Engineer
and/or Land Surveyor

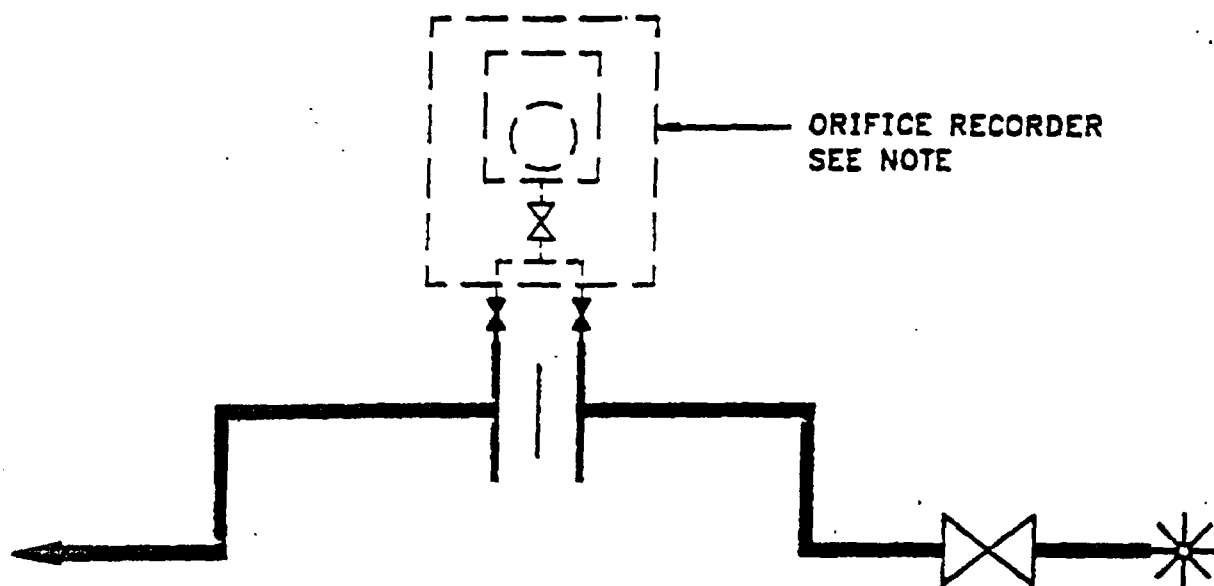
Certificate No.

ATTACHMENT B

WELL LOCATION AND ACREAGE DEDICATION PLATS

AGREED VOLUME
ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT USED FOR ANNUAL TEST

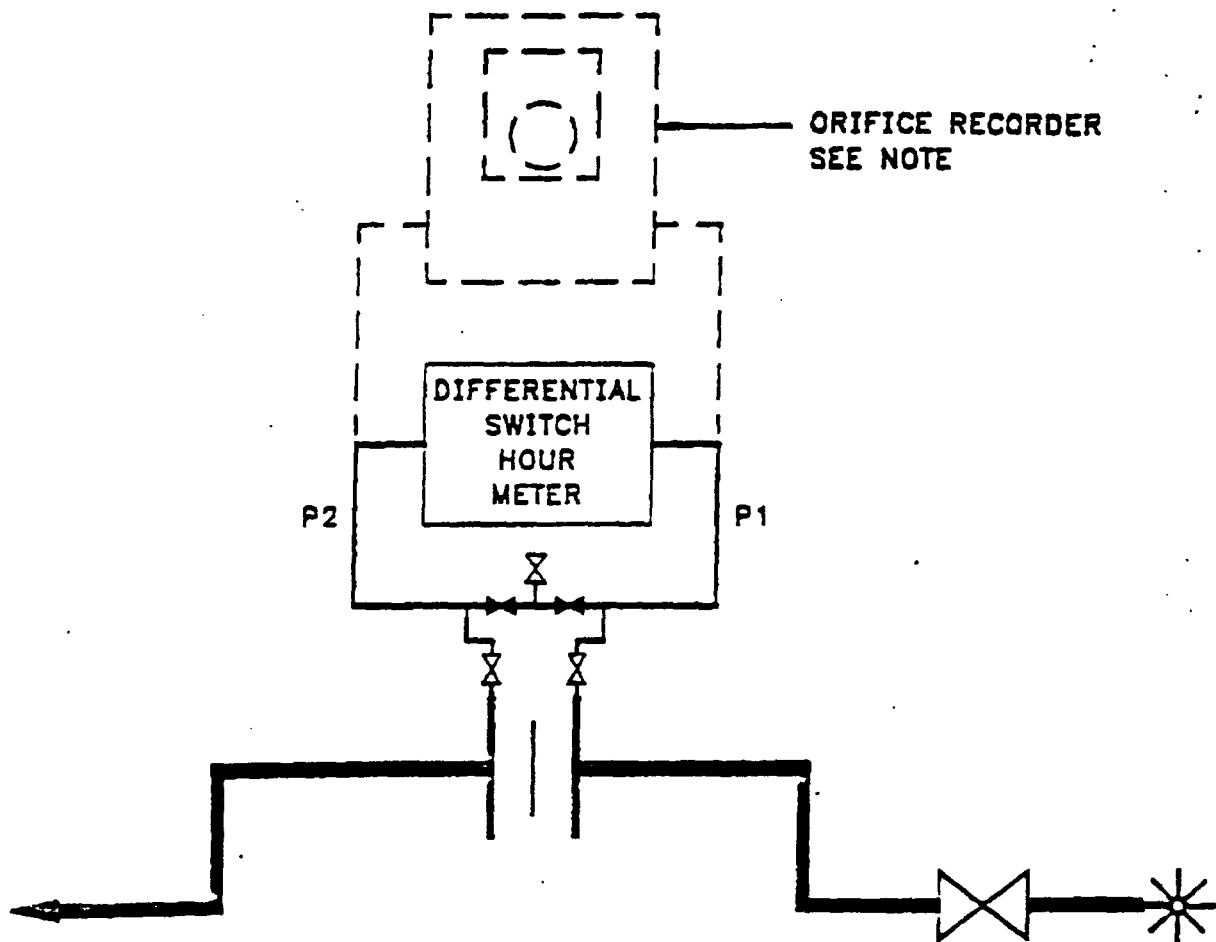


NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

TIME CALCULATED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT AND DIFFERENTIAL SWITCH/HOUR METER
USED FOR FLOW TIME DETECTION AND ANNUAL TEST



NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 15 DAY ANNUAL TEST

ATTACHMENT A

BASIC HOURLY FLOW RATE CALCULATION METHODS

1. Average Hourly Flow Rate (MCF)

a.
$$\frac{\text{Annual or Test Period Measured Volume (MCF)}}{\text{Annual or Test Period Flow Hours}} = \text{Average Hourly Flow Rate (MCF)}$$

b. Example:
$$\frac{3365 \text{ MCF}}{5877.8 \text{ Hours}} = 0.57 \text{ MCF/Hour Average Flow Rate}$$

2. Average Daily Hourly Flow Rate (MCF)

a.
$$\text{Average Hourly Flow Rate (MCF)} \times 24 = \text{Average Daily Flow Rate (MCF/D)}$$

b. Example:
$$0.57 \text{ (Average Hourly MCF)} \times 24 = 13.68 \text{ MCF (Average Daily Flow Rate)}$$

3. "Time Calculated Volume" Formula

a.
$$\text{Flow Meter Hours} \times \text{Average MCF Hourly Flow Rate} = \text{Volume (MCF)}$$

$$\text{Volume (MCF)} \times \text{BTU Factor} = \text{MMBTU (dth) for Period Indicated}$$

b. Example:
$$1971 \text{ (Hours)} \times .31 \text{ (MCF)} = 611 \text{ MCF}$$

$$611 \text{ MCF} \times 1097 \text{ BTU} = 670 \text{ MMBTU (dth) for the Period Indicated}$$

4. "Agreed Volume" Formula

a.
$$\frac{\text{Annual or Test Period Measured Flow Volume}}{\text{Annual or Test Period Flow Hours}} = \text{"Average Hourly" MCF}$$

$$\text{"Average Hourly" MCF} \times 24 = \text{Daily MCF Flow Volume}$$

$$\text{Daily MCF Flow Volume} \times \text{Percent Stipulated Flow Time (i.e. Cycle Flow)} = \text{Average Daily MCF Flow Volume}$$

b. Example:
$$31 \text{ (days)} \times 4 \text{ (MCF)} = 124 \text{ MCF}$$

$$124 \text{ MCF} \times 1097 \text{ BTU} = 136 \text{ MMBTU (dth) for the month}$$

**ALTERNATIVE MEASUREMENT
REQUEST FORM
FOR TIME CALCULATED VOLUME
(1-5 Dth Per Day) &
(5-15 Dth Per Day)**

I hereby request government approval for use of this Alternative Measurement method of marginal low flow wells. I have consented, upon receipt of all necessary regulatory approvals, to El Paso Natural Gas Company's installation and use of the Alternative Measurement method described below for my low flow natural gas well(s) producing into El Paso's pipeline system.

1. Reason for Proposal

Try to reduce likelihood of well shut-in and loss of production due to uneconomical operations. Low flow production wells incur most of the same fixed costs experienced for wells producing much greater amounts of natural gas, but do not enjoy the same economics of scale. Therefore, the per unit cost of measurement for low flow wells(s) can be unacceptably high for a prudent operator.

Failure to approve use of this Alternative Measurement could result in premature abandonment of production from these low flow wells.

2. Explanation and Diagram

Please refer to the detailed explanation of the Alternative Measurement method to be used and the schematic flow diagram provided as Attachment A.

3. Map and Lease Numbers

Well Location and Acreage Dedication Plats for each well listing all lease, communitization, and Unit numbers and showing the location of these properties is provided as Attachment B.

4. Schematic Diagram and Location of Equipment

Please refer to information provided with items numbers 2 and 3 above.

5. Estimated Lease Production

A table listing the estimated hourly or daily production rate for each well on the lease, communitization, or Unit property is provided as Attachment C.

6. Additions to Approved Commingling or Off-Lease Measurement

None are proposed.

Distribution:

0 - BLM
1 - File
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Merrion Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 840, Farmington, New Mexico 87499

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Various locations (see attachment)

5. Lease Designation and Serial No.

6. If Indian, Allotment or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See Attachment

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report remains of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached - Alternative Measurement
Request Form
For Time Calculated Volume
(1-5 Dth Per Day) &
(5-15 Dth Per Day)

RECEIVED
BLM MAIL ROOM
92 FEB 11 AM 11:06
FARMINGTON/BLM TRUCE AREA
FARMINGTON, NEW MEXICO

14. I hereby certify that the foregoing is true and correct

Signed [Signature]
(This space for Federal or State office use)

Title Operations Manager

Approved by _____
Conditions of approval, if any:

Title OPERATOR

2/10/92
APPROVED

DATE FEB 18 1992
AREA MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person
or representations as to any matter within its jurisdiction.

and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements

See Instructions on Reverse Side

FRACTURE TREATMENT

Formation PC Stage No. 1 Date 5/10/95Operator J. K. EDWARDS ASSOCIATES, INC. Lease and Well Chaco #5Correlation Log Type GR/CCL From _____ To _____

Temporary Bridge Plug Type _____ Set At _____

Perforations 1165'-1169 1174'-1192
1 Per foot type 22 (0.32"holes)Pad 7,650 gallons. Additives 70% nitrogen foam.
All fluid was produced water with 20#/1000 linear gel;
foamer, pH buffers, bacteriaicide and enzyme breakers.

Water _____ gallons. Additives _____

Sand 35,900 lbs. Size 20/40 at 1/2 to 3.0 ppq.

Flush _____ gallons. Additives _____

Breakdown _____ psig

Ave. Treating Pressure 1800 psigMax. Treating Pressure 2290 psigAve. Injection Rate 25 BPM

Hydraulic Horsepower _____ HHP

Instantaneous SIP 620 psig5 Minute SIP 550 psig10 Minute SIP 500 psig15 Minute SIP 450 psigBall Drops: _____ Balls at _____ gallons _____ psig
increas
_____ Balls at _____ gallons _____ psig
increas
_____ Balls at _____ gallons _____ psig
increas

Remarks: _____

Walsh ENGINEERING & PRODUCTION CORP.

JUN 14 1995

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J. K. EDWARDS ASSOCIATES, INC. OGRID 011307

3. Address and Telephone No.

c/o Walsh Engr. & Prod. Corp.
7415 E. Main Farmington, New Mexico 87402

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790'FSL & 790'FEL
Section 1, T26N, R13WFORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 19935. Lease Designation and Serial No.
SF-080238A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Chaco #5

9. API Well No.

10. Field and Pool, or Exploratory Area

NIIP Pictured Cliffs

11. County or Parish, State

San Juan County, N.M.

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Interest
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☒
- Other See Below
-
- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log forms.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

5/10/95 Re-perforate Pictured Cliffs 1165-1169' and 1174-1192' with
1 spf and frac as per attached treatment.RECEIVED
JUN 14 1995
FARMINGTON DISTRICT OFFICE

14. I hereby certify that the foregoing is true and correct

Signed Paul C. Thompson

Title Paul C. Thompson, Agent

(This space for Federal or State office use)

Date 5/30/95
JUN 05 1995Approved by _____
Conditions of approval, if any:

Title _____

OPERATOR

FARMINGTON DISTRICT OFFICE
BY TH

ACCEPTED FOR RECORD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PENORACON ENERGY PARTNERS, INC.

3. Address and Telephone No.

621-17th ST. #750 DENVER, COLO. 80293

303-296-9402

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790 FSL - 790 FSL SEC 1 - T26N - R13W, NMPM

5. Lease Designation and Serial No.

SE 080238-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

CHALO 5

9. API Well No.

30-045-22411

10. Field and Pool, or Exploratory Area

WAW PRUITLAND SAND AC

11. County or Parish, State

SAN JUAN, NEW MEXICO

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other CHANGE OF OPERATOR
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

EFFECTIVE FEBRUARY 1, 1996 THE OPERATOR OF THIS WELL WILL CHANGE FROM J. K. EDWARDS ASSOCIATES, INC. TO PENORACON ENERGY PARTNERS, INC.

EFFECTIVE FEBRUARY 1, 1996, PENORACON ENERGY PARTNERS, INC. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED ON THE LEASED LANDS OR A PORTION THEREOF UNDER BLM BOND # 9009300 ISSUED BY PARWEST INSURANCE CO.

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title PRESIDENT

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

MAR 11 1996

ACCEPTED FOR RECORD

EARMINGTON DISTRICT OFFICE

BY [Signature]

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

DATE: 1-3-92RECEIVED
BLM MAIL ROOMPage 1 of 2

REV DATE: _____

92 FEB 11 AM 11:08

FARMINGTON ATTACHMENT C
FARMINGTON ALTERNATIVE METHOD

LOW FLOW WELL LISTING

Operator Code 5997
Operator Name Merrion Oil & Gas Corp.

METER NO.	WELL NAME	STATE	AREA LOCATION	TEST PERIOD MCF	TEST PERIOD FLOW HRS	TIME CALC. HOURLY RATE MCF	AGREED VOLUME DAILY RATE MCF	WELL VOLUME CLOSED CONDITIONS
74-680	John F Brown #	NM-31	Chaco	452	1538	0.29	6.98	TC
89-623	Jicarilla Contract 429	NM-31	Chaco	1903	3218.9	0.59	14.16	TC
89-974	Choco Meter Run #5	NM-31	Chaco	1209	3939	0.3	7.2	TC
90-044	Chaco #4	NM-31	Chaco	2525	2901	0.35	8.4	TC
* 90-219	Broken #1 Frew	NM-31	Chaco	381	3161	0.12	2.88	* Code 08 AV
90-846	Federal #15	NM-31	Chaco	2462	6069.1	0.4	9.6	TC
92-027	Rocky Mountain #1	NM-31	Chaco	915	3771.2	0.24	5.76	TC
92-048	Megabyte Com #1 DK	NM-31	Chaco	3983	6366.9	0.62	14.88	TC
93-017	Chaco Limited 2 J	NM-31	Chaco	989	4165.7	0.23	5.52	TC
93-107	Hi-Roller #1R	NM-31	Chaco	166	1367.8	0.12	2.88	AV
93-426	Badland Flats #2 PC	NM-31	Chaco	4119	5068	0.61	14.64	TC
93-472	Badland Flats #1	NM-31	Chaco	1971	5079.8	0.38	9.12	TC
93-922	East Lindrith #6	NM-31	Chaco	3408	5686.7	0.59	14.16	TC
94-064	Federal 25-26-13 #1	NM-31	Chaco	1941	5397.3	0.35	8.4	TC
94-461	Yarborough Federal #1	NM-31	Chaco	2465	7296	0.33	7.92	TC
94-465	Yarborough Federal B #1	NM-31	Chaco	1417	6109.4	0.23	5.52	TC

TC = Time Calculated Volume (Hourly)

AV = Agreed Upon Volume (Daily)

ACCEPTED BY: _____

15

See 3162.7-3 for method of measurement
calculation methods

All distances must be from the outer boundaries of the Section.

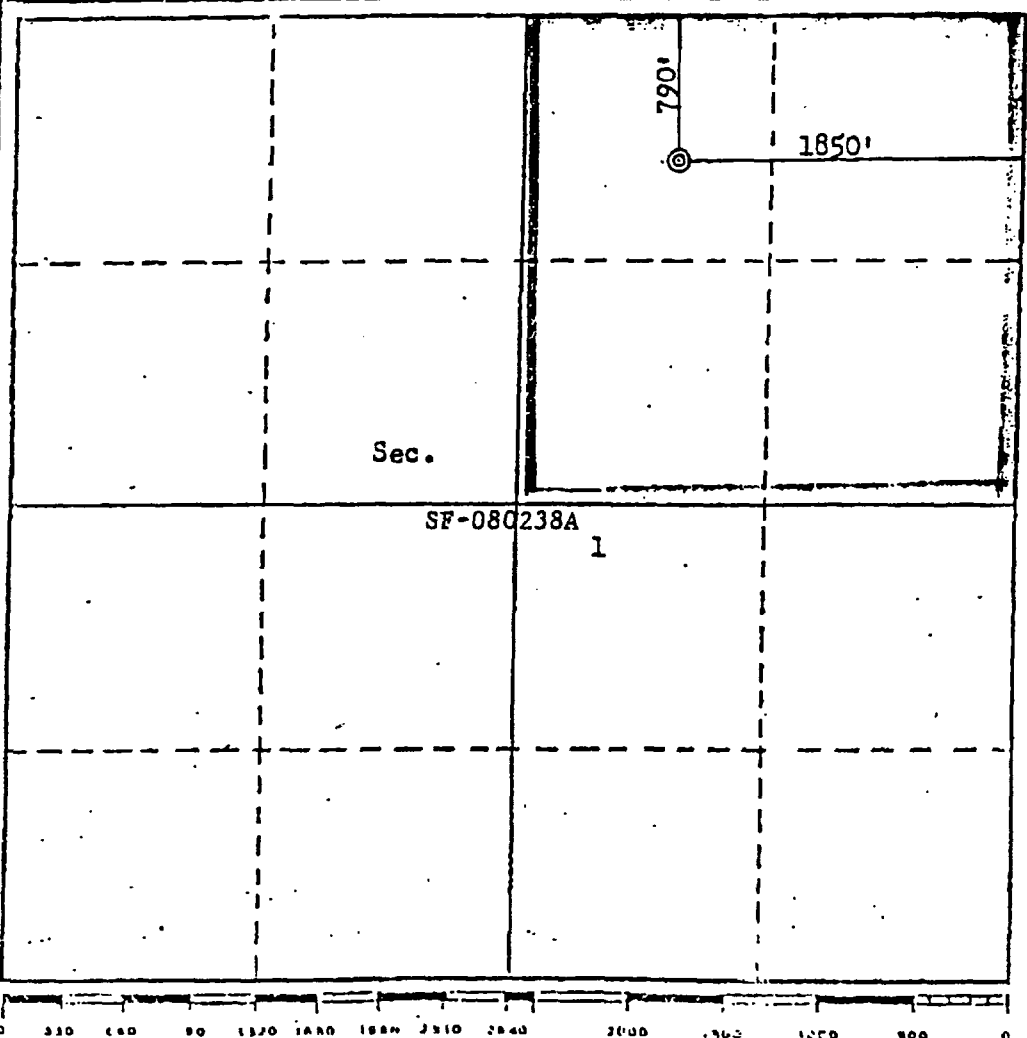
Operator MERRION & BAYLESS			Lease CHACO LIMITED			Well No. 2J		
Unit Letter B	Section 1	Township 26N	Range 13W	County San Juan				
Actual Footage Location of Well: 790 feet from the North line and 1850 feet from the East line								
Ground Level Elev. 5951	Producing Formation Pic. Cliffs		Pool WAW Fruitland Pic. Cliffs			Dedicated Acreage: 160 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

Steven S. Dunn
Name

Steven S. Dunn

Position

Engineer

Company

Merrion & Bayless

Date

June 5, 1979

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

May 21, 1979

Inspector

Fred B. Ketchum

Fred B. Ketchum, Jr.

Certification No.

395020

2. 1979. 13.

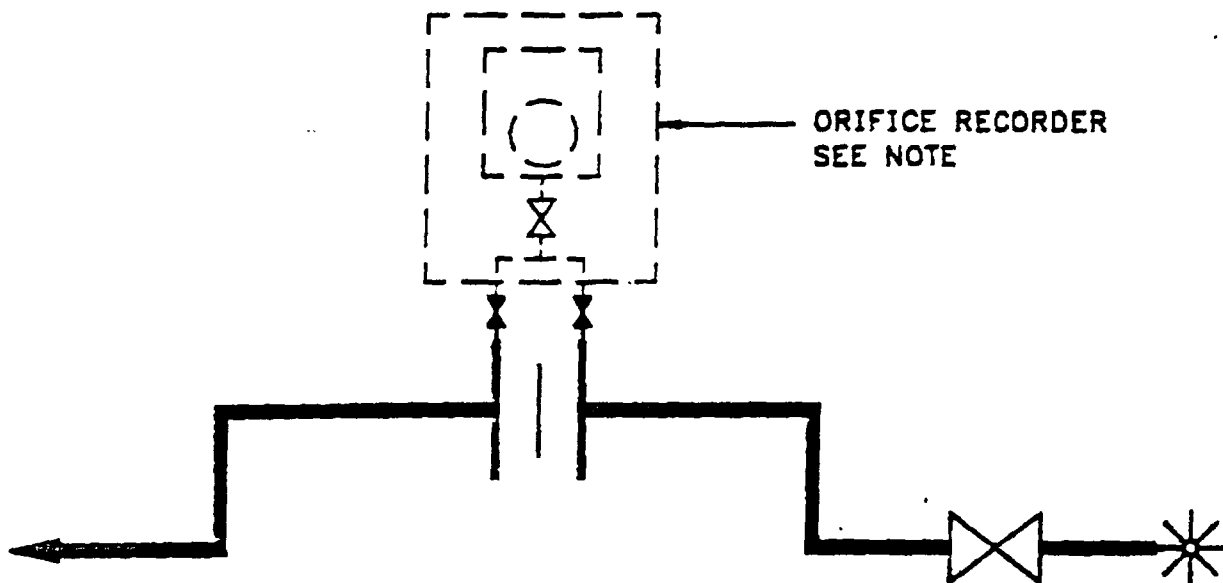
ATTACHMENT B

WELL LOCATION AND ACREAGE DEDICATION PLATS

ATTACHMENT A

AGREED VOLUME
ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT USED FOR ANNUAL TEST

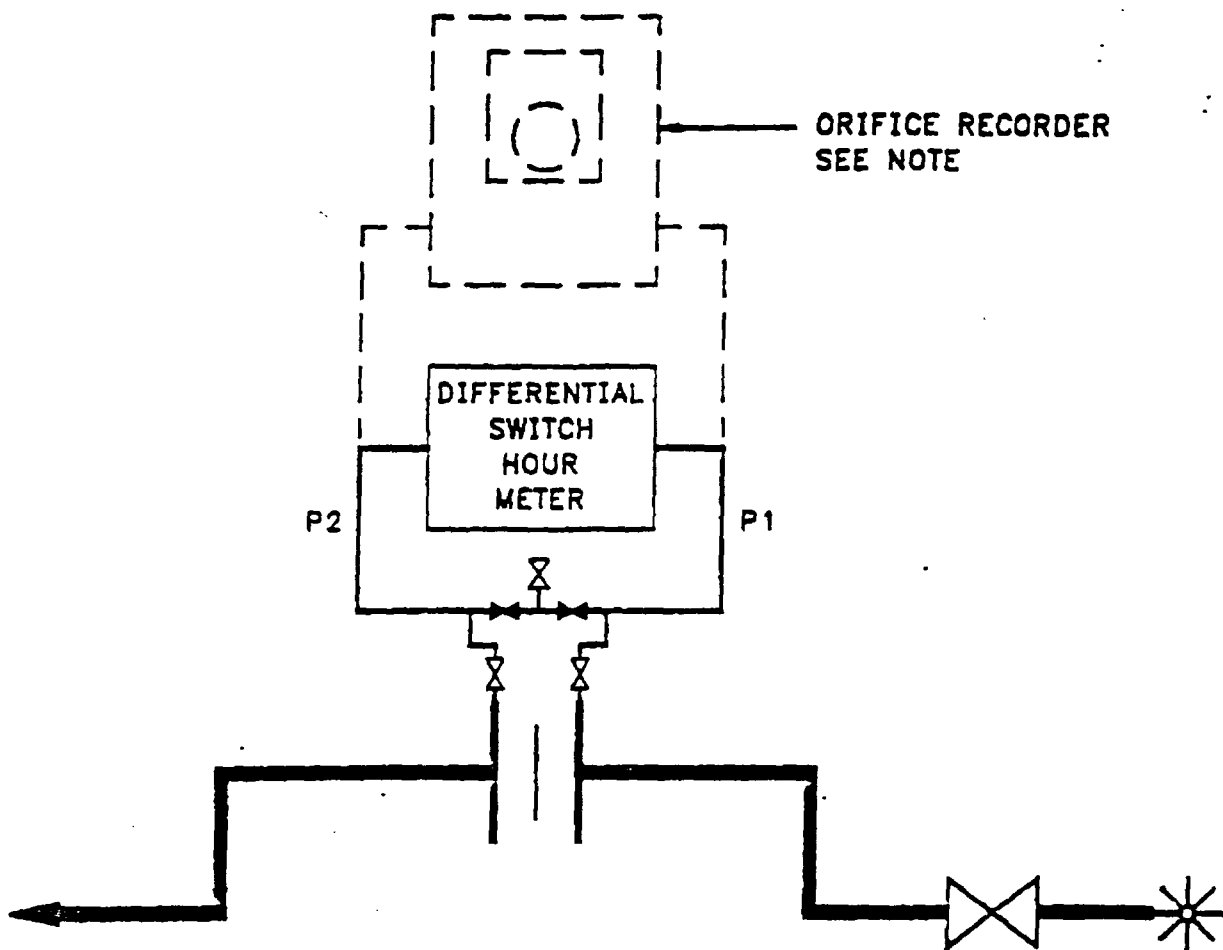


NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

TIME CALCULATED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT AND DIFFERENTIAL SWITCH/HOUR METER
USED FOR FLOW TIME DETECTION AND ANNUAL TEST



ATTACHMENT A

BASIC HOURLY FLOW RATE CALCULATION METHODS

1. Average Hourly Flow Rate (MCF)

a. $\frac{\text{Annual or Test Period Measured Volume (MCF)}}{\text{Annual or Test Period Flow Hours}} = \text{Average Hourly Flow Rate (MCF)}$

b. Example: $\frac{3365 \text{ MCF}}{5877.8 \text{ Hours}} = 0.57 \text{ MCF/Hour Average Flow Rate}$

2. Average Daily Hourly Flow Rate (MCF)

a. $\text{Average Hourly Flow Rate (MCF)} \times 24 = \text{Average Daily Flow Rate (MCF/D)}$

b. Example: $0.57 \text{ (Average Hourly MCF)} \times 24 = 13.68 \text{ MCF (Average Daily Flow Rate)}$

3. "Time Calculated Volume" Formula

a. $\text{Flow Meter Hours} \times \text{Average MCF Hourly Flow Rate} = \text{Volume (MCF)}$
 $\text{Volume (MCF)} \times \text{BTU Factor} = \text{MMBTU (dth) for Period Indicated}$

b. Example: $1971 \text{ (Hours)} \times .31 \text{ (MCF)} = 611 \text{ MCF}$
 $611 \text{ MCF} \times 1097 \text{ BTU} = 670 \text{ MMBTU (dth) for the Period Indicated}$

4. "Agreed Volume" Formula

a. $\frac{\text{Annual or Test Period Measured Flow Volume}}{\text{Annual or Test Period Flow Hours}} = \text{"Average Hourly" MCF}$

$\text{"Average Hourly" MCF} \times 24 = \text{Daily MCF Flow Volume}$

$\text{Daily MCF Flow Volume} \times \text{Percent Stipulated Flow Time (i.e. Cycle Flow)} = \text{Average Daily MCF Flow Volume}$

b. Example: $31 \text{ (days)} \times 4 \text{ (MCF)} = 124 \text{ MCF}$
 $124 \text{ MCF} \times 1097 \text{ BTU} = 136 \text{ MMBTU (dth) for the month}$

07/27/98 10:11

**ALTERNATIVE MEASUREMENT
REQUEST FORM
FOR TIME CALCULATED VOLUME
(1-5 Dth Per Day) &
(5-15 Dth Per Day)**

I hereby request government approval for use of this Alternative Measurement method of marginal low flow wells. I have consented, upon receipt of all necessary regulatory approvals, to El Paso Natural Gas Company's installation and use of the Alternative Measurement method described below for my low flow natural gas well(s) producing into El Paso's pipeline system.

1. Reason for Proposal

Try to reduce likelihood of well shut-in and loss of production due to uneconomical operations. Low flow production wells incur most of the same fixed costs experienced for wells producing much greater amounts of natural gas, but do not enjoy the same economics of scale. Therefore, the per unit cost of measurement for low flow wells(s) can be unacceptably high for a prudent operator.

Failure to approve use of this Alternative Measurement could result in premature abandonment of production from these low flow wells.

2. Explanation and Diagram

Please refer to the detailed explanation of the Alternative Measurement method to be used and the schematic flow diagram provided as Attachment A.

3. Map and Lease Numbers

Well Location and Acreage Dedication Plats for each well listing all lease, communitization, and Unit numbers and showing the location of these properties is provided as Attachment B.

4. Schematic Diagram and Location of Equipment

Please refer to information provided with items numbers 2 and 3 above.

5. Estimated Lease Production

A table listing the estimated hourly or daily production rate for each well on the lease, communitization, or Unit property is provided as Attachment C.

6. Additions to Approved Commingling or Off-Lease Measurement

None are proposed.

Distribution:

0 - BLM
1 - File
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Merrion Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 840, Farmington, New Mexico 87499

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Various locations (see attachment)

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

6. If Indian, Allotment or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See Attachment

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached - Alternative Measurement
Request Form
For Time Calculated Volume
(1-5 Dth Per Day) &
(5-15 Dth Per Day)

RECEIVED
BLM MAIL ROOM
92 FEB 11 AM 11:06
FARMINGTON NEW MEXICO
FARMINGTON NEW MEXICO

14. I hereby certify that the foregoing is true and correct

Signed _____
(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Operations Manager

Title _____ OPERATOR

2/10/92
APPROVED

DATE FEB 18 1992
AREA MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person to knowingly and willfully make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ngly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements

*See Instruction on Reverse Side

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. (All attachments should be listed on this form, see item 35.)

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for special instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval for each interval, top(s), bottom(s) and name(s). (If any) for only the interval reported in item 33. Submit a separate report (page) in this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sack Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool, item 33. Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 37: SUMMARY OF POROUS ZONES. SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Item 38: LITHOLOGICAL RECORD. SHOW ALL LITHOLOGICAL RECORDS, INCLUDING LITHOLOGICAL RECORD, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Item 39: Casing Record. SHOW ALL CASING RECORDS, INCLUDING CASING RECORD, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Item 40: Natural Gas, Salt Water. SHOW ALL NATURAL GAS, SALT WATER RECORDS, INCLUDING NATURAL GAS, SALT WATER RECORD, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Item 41: Production. SHOW ALL PRODUCTION RECORDS, INCLUDING PRODUCTION RECORD, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Item 42: Flowing Well. SHOW ALL FLOWING WELL RECORDS, INCLUDING FLOWING WELL RECORD, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Item 43: Location of Gas (Oil, Water, etc.). SHOW ALL LOCATION OF GAS (OIL, WATER, ETC.) RECORDS, INCLUDING LOCATION OF GAS (OIL, WATER, ETC.) RECORD, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

Item 44: Attachments. SHOW ALL ATTACHMENTS, INCLUDING ATTACHMENTS, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL-OPEN FLOWING AND SHUT-IN PRESSURES, AND RECORDS.

GENERAL INFORMATION		WELL INFORMATION		LOG INFORMATION		COMPLETION INFORMATION		PRODUCTION INFORMATION		FLOWING WELL INFORMATION		LOCATION OF GAS (OIL, WATER, ETC.) INFORMATION		ATTACHMENTS INFORMATION	
WELL NO.	WELL NAME	WELL TYPE	WELL STATUS	LOG NO.	LOG NAME	COMPLETION NO.	COMPLETION NAME	PRODUCTION NO.	PRODUCTION NAME	FLOWING WELL NO.	FLOWING WELL NAME	LOCATION OF GAS (OIL, WATER, ETC.) NO.	LOCATION OF GAS (OIL, WATER, ETC.) NAME	ATTACHMENTS NO.	ATTACHMENTS NAME
1	100-1202.2 EF - 4480	1	100-1202.2 EF - 4480	1	100-1202.2 EF - 4480	1	100-1202.2 EF - 4480	1	100-1202.2 EF - 4480	1	100-1202.2 EF - 4480	1	100-1202.2 EF - 4480	1	100-1202.2 EF - 4480
2	100-1202.2 EF - 4480	2	100-1202.2 EF - 4480	2	100-1202.2 EF - 4480	2	100-1202.2 EF - 4480	2	100-1202.2 EF - 4480	2	100-1202.2 EF - 4480	2	100-1202.2 EF - 4480	2	100-1202.2 EF - 4480
3	100-1202.2 EF - 4480	3	100-1202.2 EF - 4480	3	100-1202.2 EF - 4480	3	100-1202.2 EF - 4480	3	100-1202.2 EF - 4480	3	100-1202.2 EF - 4480	3	100-1202.2 EF - 4480	3	100-1202.2 EF - 4480
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(See instructions and spaces for Additional Data on Reverse Side)

RECEIVED
1980
Alamo
Oilfield
Geological Survey
P.O. Box 1541, Farmington, NM 87401

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

WELL NO. 100-1202.2 EF - 4480
WELL NAME 100-1202.2 EF - 4480
WELL TYPE 100-1202.2 EF - 4480
WELL STATUS 100-1202.2 EF - 4480
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FLOWING WELL NO. 100-1202.2 EF - 4480
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LOCATION OF GAS (OIL, WATER, ETC.) NO. 100-1202.2 EF - 4480
LOCATION OF GAS (OIL, WATER, ETC.) NAME 100-1202.2 EF - 4480
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LOCATION OF GAS (O

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 45-11255-6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		2. NAME OF OPERATOR J. Gregory Merriam and Robert L. Bayless		3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401		4. LOCATION OF WELL (Report location clearly and in accordance with land state requirements) At surface 790 FNL and 1850 FEL At top prod. interval reported below same At total depth same		5. LEASE DESIGNATION AND SERIAL NO. SF-080238-A		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME Chaco Limited		9. WELL NO. 2-4		10. FIELD AND POOL, OR WILDCAT WAW Fruitland Pic Cliff		11. SEC. T. R. M. OR BLOCK AND SURVEY 6 S. 26 N. R. 13 E. T26N, R13E		12. COUNTY OR PARISH San Juan		13. STATE N.M.	
15. DATE SPUDDED 09-07-79		16. DATE T.D. REACHED 09-09-79		17. DATE COMPL. (Ready to prod.) 12-10-79		18. ELEVATIONS (OF, BSR, RT, OR, ETC.) 5951' GE		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 1285 ft.		21. PLUG, BACK T.D., MD & TVD 1252 ft.		22. IF MULTIPLE COMPL. HOW MANY?		23. INTERVALS DRILLED BY X		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1186-1202.5 ft. - Pictured Cliffs		25. WAS DIRECTIONAL SURVEY MADE no		26. TYPE ELECTRIC AND OTHER LOGS RUN IES Induction, Compensated Density, Neutron		27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)																									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED															
7"		23 lb./ft.		41 ft.		9-3/4"		10 sacks																	
2-7/8"		10.5 lb./ft.		1272 ft.		5-1/8"		150 sacks																	
29. LINER RECORD																									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)											
										1"		1252 ft.													
30. TUBING RECORD																									
31. PERFORATION RECORD (Interval, size and number)																									
1186-88.5 ft. - 4/ft. - .430" 1200-1202.5 ft. - 4/ft. - .430"																									
32. ACID, SHOT, FRACTURE CEMENT SQUEEZE, ETC.																									
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED																									
1186-1202.5 2500 lbs. 20/40 sand and 75 bbl water																									
33. PRODUCTION																									
DATE FIRST PRODUCTION 12/10/79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing																									
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BSL		GAS—MCF.		WATER—BSL		GAS—OIL RATIO											
12/18/79		5-1/2 hrs.		1/2"						208 MCF/day		4 bbl/day													
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BSL		GAS—MCF.		WATER—BSL		OIL GRAVITY-API (CONR.)													
27 PSIG		150 PSIG						208 MCF/day		4 bbl/day															
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented																									
35. LIST OF ATTACHMENTS																									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.																									
SIGNED <u>Steven S. Dugan</u> TITLE Engineer																									

*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR

FARMINGTON DISTRICT
BY Steven S. Dugan
DATE JAN 09 1980

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

5. Lease Designation and Serial No.
SF-080238 A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Chaco Ltd. #2-J

9. API Well No.

30-045-23593

10. Field and Pool, or Exploratory Area

WAW Fruitland/PC

11. County or Parish, State

San Juan County, N.M.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J. K. EDWARDS ASSOCIATES, INC. 011307

3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, New Mexico 87402 505 327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790'FNL & 1650'FEL
Section 1, T26N, R13W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other See Below

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1/28/95 Treated well with 500 gallons of 7-1/2% HCl and displaced with 6 bbls of water.

14. I hereby certify that the foregoing is true and correct

Signed Paul C. Thompson

Title Paul C. Thompson, Agent

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

OPERATOR

FARMINGTON DISTRICT OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR
J. Gregory Merrion and Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 790 FNL and 1850 FEL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Run Siphon String

SUBSEQUENT REPORT OF:

☒
☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED
JAN 4 1980

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

5. LEASE
SF-080238-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Chaco Limited

9. WELL NO.
2-J

10. FIELD OR WILDCAT NAME
WAW Fruitland

11. SEC., T., R., OR BLK. AND SURVEY OR AREA
Sec. 1, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. API NO.

15. ELEVATIONS (HOW DEEP, KDB AND WD)
5951

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 09-30-79 Move in swabbing unit. Swab down Pictured Cliffs perfor. Making small amount of gas TSTM. Dumped frac sand over bottom set of perfor.
- 10-13-79 Rig up Dowell and fraced Pictured Cliffs with 2500 lbs. 200/200 sand and 75 bbls. fresh water.
- 12-10-79 Swab well in and ran 1" IJ siphon string to 600'.
- 12-18-79 SIP 220 PSIG. Flow rate 208 MCF/day, 4 bbl. water/day. Awaiting pipeline connection.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Engineer DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

*See Instructions on Reverse Side

FARMINGTON DISTRICT
BY WS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other
2. NAME OF OPERATOR
J. Gregory Merrion and Robert L. Bayless
3. ADDRESS OF OPERATOR
P.O. Box 507, Farmington, NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: **790 FNL and 1850 FEL**
AT TOP PROD. INTERVAL: **same**
AT TOTAL DEPTH: **same**
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ ☐

FRACTURE TREAT ☐ ☐

SHOOT OR ACIDIZE ☐ ☐

REPAIR WELL ☐ ☐

PULL OR ALTER CASING ☐ ☐

MULTIPLE COMPLETE ☐ ☐

CHANGE ZONES ☐ ☐

ABANDON* ☐ ☐

(other) Change Well Number ☐ ☒

5. LEASE SF-080238-A	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Chaco Limited	
9. WELL NO. 2J	
10. FIELD OR WILDCAT NAME WAW Fruitland Pic. Cliffs	
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 1, T26N, R13W	
12. COUNTY OR PARISH San Juan	13. STATE N.M.
14. API NO.	
15. ELEVATIONS (SHOW DEPTH AND WD) 5951 ft. GL	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

According to NMOCC infill well numbering system, the Chaco Limited #3 must be re-numbered the Chaco Limited #2J.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED **Original Signed By ROBERT L. BAYLESS** TITLE **Co-Owner** DATE **June 13, 1979**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

JAN 10 PM 12:38
670 FARMINGTON, NM

5. Lease Designation and Serial No.
SE-080238-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
CHALO 25

9. API Well No.
30-045-23593

10. Field and Pool, or Exploratory Area
LAW FRUITLAND SAND AC

11. County or Parish, State
SAN JUAN, NEW MEXICO

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
PENADRAGON ENERGY PARTNERS, INC.

3. Address and Telephone No.
621-17th ST. #750 DENVER, COLO. 80293 303-296-9402

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' ENL + 1850' PER SEC. 1 - T26N - R13W, N4M PM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other <i>CHANGE OF OPERATOR</i>	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

EFFECTIVE FEBRUARY 1, 1996 THE OPERATOR OF THIS WELL WILL CHANGE FROM J. K. EDWARDS ASSOCIATES, INC. TO PENADRAGON ENERGY PARTNERS, INC.

EFFECTIVE FEBRUARY 1, 1996, PENADRAGON ENERGY PARTNERS, INC. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED ON THE LEASED LANDS OR A PORTION THEREOF UNDER BLM BOND # 9009300 ISSUED BY FARWEST INSURANCE CO.

14. I hereby certify that the foregoing is true and correct

Signed *[Signature]* Title *PRESIDENT*

(This space for Federal or State office use)

Approved by _____ Title _____ Date *MAR 11 1996*

Conditions of approval, if any:

ACCEPTED FOR RECORD

FARMINGTON DISTRICT OFFICE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ well ☐ other

2. NAME OF OPERATOR

J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 507, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 790 FNL and 1850 FEL

AT TOP PROD. INTERVAL: same

AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Drilling ☒

5. LEASE

SF-080238-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chaco Limited

9. WELL NO.

2-J

10. FIELD OR WILDCAT NAME

WAW Fruitland Pic. Cliff

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA

Section 1, T26N, R13W

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

14. API NO.

15. ELEVATIONS (SHOW OF KDB, AND WD)
5951' G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9-07-79 Move in L & B Speed Drill. Spud 9-3/4" hole. Set 43 ft. of 7" 23 lbs/ft. surface with 10 sx.

9-08-79 Drilling 5" hole @ 400 ft.

9-09-79 Drilling 5" hole. TD @ 1285. Preparing to log.

9-10-79 Rig up Birdwell. Ran IES induction, compensated neutron-density logs.

9-11-79 Ran 1270 ft. of 2-7/8", 10.5 lbs/ft. casing and landed @ 1272 ft. Dowell cemented w/ 100 sx. class 'B' w/ 28 D-79, 50 sx class 'B'; circulated 10 bbls back to surface.

9-21-79 Southwest Surveys ran Gamma Ray Correlation log and perforated 1186-88.5' 4 shots/ft. 10 holes. 1200-025' 10 holes. Pictured Cliffs. Waiting on swab rig

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

J. Gregory Merrion

TITLE

Engineer

DATE

September 25, 1979

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR
Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1017, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850 FSL & 1750 FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) Spud			X

5. LEASE

SF 080238 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chaco Ltd.

9. WELL NO.

1-J

10. FIELD OR WILDCAT NAME

WAW Fruitland/Pic. Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 1, T26N, R13W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. API NO.

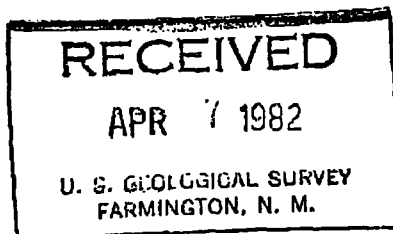
15. ELEVATIONS (SHOW OF, KDB, AND WD)

5991

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 4/5/82.



Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Operations Manager

DATE

4/5/82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

APR 03 1982

*See Instructions on Reverse Side

OPERATOR

FARMINGTON DISTRICT

BY

[Signature]

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 38, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, suble and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (while not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONCENTRATED THINNESS, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DRIFT INTERVAL, FRESH, CUSHION USM, THIS TOOL, OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo Alamo Pic. Cliff	Surface 1200'	138' TD	Fresh Water Salt Water, Natural Gas.

38. GEOLOGIC MARKERS

NAME	DEPTH	TRUE VERT. DEPTH
Kirtland Fruitland Pic. Cliff	138' 870' 1200'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL ☐ GAS ☒ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. SF 080238 A		
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESTR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Merrion Oil & Gas Corporation		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box 1017, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Chaco Ltd.		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements). At surface 1850' FSL and 1750' FWL At top prod. interval reported below Same At total depth Same		9. WELL NO. 1-J		
10. FIELD AND POOL, OR WILDCAT WAW Fruitland/Pic. Cliffs		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 1, T26N, R13W		
12. COUNTY OR PARISH San Juan		13. STATE New Mexico		
15. DATE SPUDDED 4/5/82	16. DATE T.D. REACHED 4/8/82	17. DATE COMPL. (Ready to prod.) 5/14/82	18. ELEVATIONS (DE, REB, BT, OR, ETC.) 6004' KB	19. ELEV. CASINGHEAD 5991' GL
20. TOTAL DEPTH, MD & TVD 1300' KB	21. PLUG, BACK T.D., MD & TVD 1270' KB	22. IF MULTIPLE COMPL., HOW MANY?	23. INTERVALS DRILLED BY 0-TD	24. ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1200 - 1209' KB Picture Cliffs				25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN No open hole logs				27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)				
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD
7"	23#/ft.	90	9-3/4"	41.30 cu. ft. cement
2-7/8"	6.5#/ft.	1300' KB	5-1/8"	177.00 cu. ft. cement
29. LINER RECORD				
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
30. TUBING RECORD				
SIZE	DEPTH SET (MD)	PACKER SET (MD)		
31. PERFORATION RECORD (Interval, size and number)				
1200 - 1209' KB 2 PF 3-1/8"				
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED		
33. PRODUCTION				
DATE FIRST PRODUCTION 5/17/82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow		WELL STATUS (Producing or shut-in) Shut in
DATE OF TEST 5/18/82	HOURS TESTED 2	CHOKE SIZE .125"	PROD'N. FOR TEST PERIOD OIL—BBL. est. 24 hr. 10 MCF/D GAS—MCF. 10 MCF/D	WATER—BBL. 1t. spray GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE 11 PSIG	CALCULATED 24-HOUR RATE OIL—BBL. est. 24 hr. 10 MCF/D GAS—MCF. 10 MCF/D	WATER—BBL. Trace OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test, to be sold				TEST WITNESSED BY Jim Ludwick
35. LIST OF ATTACHMENTS				
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records				
SIGNED <i>John A. L.</i>		TITLE Operations Manager		
		DATED 8/18/82		

*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR

BY *R. G. Becker*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

6 JAN 10 PM 12:36

070 FARMINGTON, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PENDRAGON ENERGY PARTNERS, INC.

3. Address and Telephone No.

621-17th St. #750 DENVER, COLO. 80293 303-296-9402

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1850' FSL + 1750' FUL SEC. 1 - T 24N - R 13W, NMAN

5. Lease Designation and Serial No.

SE-080238-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

CHALO 15

9. API Well No.

30-045-28134

10. Field and Pool, or Exploratory Area

WAW PRUITLAND SAND AC

11. County or Parish, State

SAN JUAN, NEW MEXICO

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other CHANGE OF OPERATOR
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

EFFECTIVE FEBRUARY 1, 1996 THE OPERATOR OF THIS WELL WILL CHANGE FROM J. K. EDWARDS ASSOCIATES, INC. TO PENDRAGON ENERGY PARTNERS, INC.

EFFECTIVE FEBRUARY 1, 1996, PENDRAGON ENERGY PARTNERS, INC. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED ON THE LEASED LANDS OR A PORTION THEREOF UNDER BLM BOND # 9009300 ISSUED BY FARWEST INSURANCE CO.

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title PRESIDENT

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD

MAR 11 1996

FARMINGTON DISTRICT OFFICE

BY [Signature]

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false statement or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J. K. EDWARDS ASSOCIATES, INC. 011307.

3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, N.M. 87402 505 327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1850'FSL & 1750'FWL
Section 1, T26N, R13W

5. Lease Designation and Serial No.

SF-080238 A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Chaco Ltd. #1-J

9. API Well No.

30-045-25134

10. Field and Pool, or Exploratory Area

WAW FRUITLAND/PC

11. County or Parish, State

San Juan County, N.M.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other See Below

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1/30/95 Treated well with 500. gallons of 7-1/2% HCl and displaced with 6 bbls of water.

COPIED
FEB 21 PM 2:58
RECEIVED

14. I hereby certify that the foregoing is true and correct

Signed Paul C. Thompson

Title Paul C. Thompson, Agent

ACCEPTED FOR RECORD
Date 2/15/95

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

FEB 28 1995

OPERATOR

FARMINGTON DISTRICT OFFICE

MERRION OIL & GAS CORPORATION
CHACO LTD 1-J
Sec. 1, T26N, R13W
San Juan County, New Mexico

4/5/82 Spud. Shut down for rig repair.
4/6/82 Drilled 9-3/4" hole to 91 ft. Set 90 ft. of 7" 23 #/ft. w/35 sx. Wait on cement. Drill 5-1/8" hole out from under surface. Drilling @ 300'.
4/7/82 Drilling @ 750 ft.
4/8/82 TD @ 1300 ft. Lay down drill pipe. Ran 1300 ft. 2-7/8" 6.5 #/ft EUE casing to 1300 ft. Cemented w/150 sx Class 'B' cement. Circulated 1 Bbl estimated to surface. PBTD @ 1270 ft. WOCT.

5/13/82 Move in, rig up L & B Speedrill. Rig up Southwest Surveys, Perforated Pictured Cliffs 1200' - 09' w/2 PF, 3-1/8" glass jets. Swab well down. Testing.
5/14/82 1 PF 10 MCF/Day natural gas on .125" plate. Shut in.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other
2. NAME OF OPERATOR
Merrion Oil & Gas Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1017, Farmington, New Mexico 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850' FSL and 1750' FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☒ TD, Casing, Perforations

SUBSEQUENT REPORT OF:

☐	RECEIVED
☐	AUG 19 1982
☐	U. S. GEOLOGICAL SURVEY
☐	FARMINGTON, N. M.

5. LEASE
SF 080238 A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Chaco Ltd.
9. WELL NO.
1-J
10. FIELD OR WILDCAT NAME
WAW Fruitland/Pic. Cliffs
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 1, T26N, R13W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5991' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Operations Manager DATE 8/18/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY: ACCEPTED FOR RECORD

AUG 23 1982

*See Instructions on Reverse Side

OPERATOR

FARMINGTON DISTRICT
BY Snn