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150 WASHINGTON AVE., SUITE 300
POST OFFICE BOX 1986
SANTA FE, NM 87504-1986
TELEPHONE: (505) 989-9614
FACSIMILE: (505) 989-9857

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

Walsh Engineering & Production
Well Report

RECEIVED
MAR - 6 1998
PENDRAGON ENERGY PARTNERS, INC.

Date: 2/98

Oper: PENDRAGON ENERGY PARTNERS

Well: Chaco #1

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

	Pressure			Meter			
Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
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: 3/98

Oper: PENDRAGON ENERGY PARTNERS

Well: Chaco #1

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

	PRESSURE			METER				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				5.9	5.11	246		
2				5.9	5.11	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	0.6	168		Restart
7				5.8	5.6	250		12 100 2100
8				5.6	5.6	242	29 B/D	12 100 2100
9				5.8	5.6	250		
10				5.7	5.6	246		
11				5.8	5.4	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 B/D	10 100 2300
16				5.7	5.7	250		10 105 2300
17				5.6	5.7	246		10 105 2300
18				5.6	5.6	250		
19				5.6	5.4	242		
20				5.3	6.4	262		10 95 2300
21				5.9	5.5	250		10 100 2300
22				5.7	5.5	250	24 B/D	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	5.6	194	24 B/D	Clutch out - Call Hawa
30				5.6	5.7	246		10 98 2300
31								
						7245		

REMARKS: 8th spad unit to 2200 RPM 14th Blow drip

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			
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
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		11 105 226
5				5.4	5.6	242		11 105 220
6				5.6	5.6	242	21 BBL	10 100 230
7				5.6	5.7	246		10 100 230
8				5.4	6.0	250		10 100 230
9				5.6	[illegible]	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 BBL	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 BBL	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 BBL	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 ______

	PRESSURE			METER				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				5.6	5.3	229		10 - 100 - 2300
2				3.4	5.5	229		Rig on Hole-Resta
3				3.1	5.3	127	0 B/D	Restart-Low Suctio.
4				3.8	5.4	158		4 105 2100
5				4.2	5.7	185		4 105 2100
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 B/D	5 90 2300
11				5.2	5.5	221		5 90 2300
12				5.2	5.3	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				5.0	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		Hook 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	6.2	210		13 90 1800
30				4.7	6.3	228		Close well in
31								

5138

REMARKS: 11th clean & adjust dump
15th close well in for test
26th speed up to 2100 RPM
31st speed up to 2200 RPM

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 29770 A

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

RECEIVED
JUL 18 1998
PENDRAGON ENERGY PARTNERS, INC.

ACCOUNT NO.	INVOICE DATE	PAGE
01422	06/30/98	1

JOB NO: 29770

M: 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.

VRM 7/20/98 SU612 400203

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 ed on the reverse side apply.

TOTAL AMOUNT DUE 144.18

JUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 27177

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

ACCOUNT NO.	INVOICE DATE	PAGE
01422	03/31/98	1

RECEIVED
APR 14 1998
PENDRAGON ENERGY PARTNERS, INC.

JOB NO: 27177

M: CHACO 1

TO: ~~CHACO~~ Prather A-1 1

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
RANSFER PRODUCED WATER	80	3/12/98	80404	68.2
RANSFER PRODUCED WATER	80	3/14/98	80407	68.2
RANSFER PRODUCED WATER	80	3/15/98	80415	68.2
RANSFER PRODUCED WATER	80	3/17/98	80426	68.2
RANSFER PRODUCED WATER	80	3/21/98	80442	68.2
RANSFER PRODUCED WATER	80	3/25/98	80470	68.2
RANSFER PRODUCED WATER OK/PM 4/22/98	80	3/28/98	80484	91.0
RANSFER 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.

SW612
400203

erest 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 ted on the reverse side apply.

TOTAL AMOUNT DUE 600.7

ORIGINAL

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO.
27984 A

RECEIVED
MAY 14 1998
PENDRAGON ENERGY PARTNERS, INC.

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

ACCOUNT NO.	INVOICE DATE	PAGE
01422	04/30/98	1

JOB NO: 27984

OM: CHACO #1

TO: CHACO #1

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
AUL PRODUCED WATER	80	4/25/98	52114	68.2
AUL PRODUCED WATER	80	4/28/98	52134	68.2
AUL PRODUCED WATER	80	4/01/98	73787	68.2
AUL PRODUCED WATER	80	4/04/98	78700	113.7
AUL PRODUCED WATER	80	4/11/98	78733	68.2
AUL PRODUCED WATER	80	4/14/98	78755	68.2
AUL PRODUCED WATER	80	4/16/98	78769	68.2
AUL PRODUCED WATER	80	4/20/98	78793	113.7
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.

SL 612
400203

erest 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 ted on the reverse side apply.

TOTAL AMOUNT DUE 672.84

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 28791 A

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

ACCOUNT NO.	INVOICE DATE	PAGE
01422	05/31/98	1

RECEIVED
JUN 15 1998
PENDRAGON ENERGY PARTNERS, INC.

JOB NO: 28791

OM: CHACO #1

TO: ~~CHACO #1~~ Pruitt 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.

OK PM 6/9/98

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.

SU612
400203

Interest Charged at the Rate of 1½% 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				1.3	8.3	5		
3				1.5	8.5	5		
4				1.5	8.8	6		
5				1.3	9.2	5		
6				1.5	8.8	6		
7				1.5	8.8	6		
8		89	153	1.5	9.0	6	0	Master valve shut - open
9				1.5	8.9	6		
10				1.5	8.9	6		
11				1.3	8.6	5		
12				1.5	8.5	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				1.5	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 _____

		PRESSURE		METER				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
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		66	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		66	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	9.1	5		
26				1.3	9.1	5		
27		70	157	1.3	9.1	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

ATE: JUNE 1998

PERATOR: PENDRAGON ENERGY PARTNERS, INC.

ELL NAME: Chaco #1J

CO-EFF: .42
RANGE: 100
SPRING: 100
PLATE: .250
HRS ON_____ HRS OFF_____

	PRESSURE			METER				
ATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
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		
0		62	157	1.0	8.6	4	0	
1				1.0	8.5	4		
				1.0	8.7	4		
				1.0	8.9	4		
4				1.0	8.9	4		
5				1.0	8.8	4		Replace Red Pen
6				1.0	8.7	4		
7		62	158	1.0	8.8	4	0	
8				1.0	8.8	4		
9				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								
						184		

REMARKS: 19th Hook up comp. - Blow well to pit

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	8.6	15		
2				2.0	8.5	15		
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	8.6	16		
12				2.1	8.7	16		
13				2.4	8.3	18		
14				2.4	8.4	18		
15		10	105	2.4	8.6	18	0	
16				2.4	8.6	18		
17				2.4	8.6	18		
18				2.4	8.7	19		
19				2.4	8.6	16		
20				2.2	8.9	17		
21				2.2	8.6	17		
22		18	105	2.2	8.9	17	0	
23				2.4	8.4	19		
24				2.4	8.8	19		
25				2.2	8.6	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 _____

		PRESSURE		METER				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
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		
				2.0	8.7	15		Replace Rod pump
13		10	98	2.2	8.7	17	0	
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	8.4	13		
23				2.0	9.1	16		
24				1.7	8.4	13		
25				2.2	8.8	17		
26				2.2	8.8	17		
27		33	98	1.7	8.4	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				1.3	9.0	12		
3		30	90	1.5	9.2	12	0	
4				1.3	8.6	11		
5				1.5	8.6	11		
6				1.5	8.6	11		
7				1.3	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	8.5	17		
				2.0	8.6	15		
				1.5	8.8	12		
14				1.5	8.8	12		
15				1.3	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				1.8	8.8	14		
20				1.8	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	10		
30				1.0	8.7	8		Close well in
31								

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REMARKS: ----------

WALSH ENGINEERING & PRODUCTION

WELL REPORT

DATE: MARCH 1995

OPERATOR: J. K. EDWARDS ASSOCIATES

WELL NAME: Chaco #2R

CO-EFF: 2.64
RANGE: 100
SPRING: 250
PLATE: .375
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
8							on hookup
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 H20
21				3.4	4.6	41	
22				2.8	4.9	36	
23				2.5	5.0	33	Blew well overnight
24				8.5	5.0	112	put well to sales
25				6.0	5.1	81	
26				4.3	5.1	58	
27				4.0	4.7	50	
28				3.7	4.7	46	
29	43	43	106	3.0	4.7	37	
30				3.3	4.7	41	
31				3.3	4.7	41	
				TOTAL		710	

Walsh Engineering & Production
Well Report

1/96

J. K. Edwards Associates Inc.

Chaco #2R

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

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	
			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	
			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:		0	

emarks:

Wal[illegible] Engineering & Prod[illegible]ction
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
Oper: Pendragon Energy Partners, Inc
Well: Chaco #2R

Coefl: 1.32
Range: 100
Spring: 250
Plate: 0.375
Hrs On:
Hrs Off:

	Pressure			Meter			
Date	Line	Tubing	Casing	Diff.	Stat.	MCFD	Remarks
1				0.0	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 BV
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 H20 supply - blov
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 H20 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

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

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

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

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
MAR - 6 1998
PENDRAGON ENERGY PARTNERS, INC.

Date: 2/98
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				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 _____

		PRESSURE			METER			
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
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				0	0.0	0		Restart
7				6.8	5.7	152		3 120 220
8		2	34	6.1	5.8	134	14 B/D	2 120 220
9				6.0	5.8	137		2 120 220
10				5.9	5.6	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		2 135 230
15		2	33	5.9	5.9	137	14 B/D	2 115 230
16				5.6	5.9	130		2 118 230
17				5.6	5.9	130		2 118 230
18				5.5	5.5	128		
19				5.5	5.5	128		
20				4.5	6.5	115		2 110 230
21				5.6	5.6	132		2 115 2300
22		3	33	5.4	6.0	127	14 B/D	3 145 2100
23				5.6	6.0	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 B/D	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 _____

		PRESSURE			METER			
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
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 BPD	2 120 230
7		2	30	5.4	[illegible]	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 BPD	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 BPD	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 BPD	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		1 115 220
30				0	5.6	0		
31				0	5.6	0		
						3590		

REMARKS: 28th 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 _____

	PRESSURE			METER				
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1				1.5	5.4	32		Restart-oil level
2				5.6	5.4	123		2 115 2100
3		2	32	5.8	6.0	137	148/D	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	46		-3 115 1800
7				2.2	5.5	48		
8				2.2	5.5	48		-3 110 1800
9				0	5.3	0		
10				0	5.3	0		
11				0	5.2	0		Restart
				2.8	5.3	58		0 90 1600
13				2.5	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	5.4	42		
22				2.0	5.4	42		-4 93 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	5.4	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								
						1377		

REMARKS: 6th open well & flow to pit
24 hr open well & flow to pit

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 26312

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

ACCOUNT NO.	INVOICE DATE	PAGE
01422	02/28/98	1

RECEIVED
MAR - 9 1998
PENDRAGON ENERGY PARTNERS, INC.

JOB NO: 26312

OM: CHACO 2R

TO: RESERVE PIT

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
RANSFER WATER	14	2/11/98	84051	22.7
5.625 % SALES TAX				1.2

UMMARY:

	BBLS				
RUCKING W/TAX:	14	24.03	=	1.72	PER BBL
ISPOSAL W/TAX:		.00	=	.00	PER BBL
OTAL :	14	24.03	=	1.72	PER BBL.

SU 612
400204

3/11/98

rest 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 ed on the reverse side apply.

TOTAL AMOUNT DUE ▶ 24.03

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	66					51		
5	66					0		El Paso Shut down line
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	56					90		
[illegible]	57					84		
13	60			1		146		Restart - High discharge press.
14	63					205		26 75 1783
15	60	27	72	3		213	9 BD	25 73 1856
16	62			3		209		27 73 1898
17	66			3		214		27 73 18[illegible]
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 BD	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 BD	27 71 1886
30	63					209		27 71 1887
31								

5070

REMARKS: 6th set compressor
13th Call Turn Stars - filters plugged
14th sped 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	PRESSURE LINE	PRESSURE TUBING	PRESSURE CASING	METER DIFF.	METER STAT.	MCF	WTR	REMARKS
1	63					205		
2	63					196		
3	63					173		
4	64					22		
5	63					0		
6	64	88	88			0	0	
7	67					171		Start comp
8	63					244		25 70 1878
9	64					245		
10	64					246		
11	64					246		23 70 1900
12	63			4		249		25 70 1889
13	63	27	68	5		249	11 B/D	26 70 1871
14	62					250		26 70 1890
15	63					247		26 70 1892
16	63					246		
17	62					245		
18	67			5		245		25 70 1878
19	67					246		25 70 1878
20	72	25	66	7		249	11 B/D	25 70 1901
21	67					171		25 74 1885
22	69					224		low coolant-
23	66					142		
24	64					243		
25	63					243		
26	64			4		244	11 B/D	23 90 1969
27	77	82	83	0		196		High Discharge
28	68					262		29 90 1968
29	69					260		26 90 1991
30	70					248		
31	63					250		

REMARKS: 4th shut comp. down - hole in line
7th Repair line - open well
22 call Tyson Stora
27th 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 fan
6	63					154		
7	54					114		
8	61			1		178		Low coolant
9	60					215		18 90 1961
10	39	22	66	4		222	11 BW	21 89 1963
11	60					228		22 89 1963
12	64					229		22 89 1951
13	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 BW	22 90 1952
18	66					194		Restart - low suction
19	63					224		21 89 1966
20	67					229		
21	67					232		
22	64					234		23 90 1941
23	73			3		241		22 90 1955
24	66	26	68	4		241	11 BW	25 89 1950
25	67					236		23 89 1958
26	64					234		23 89 1951
27	66					234		
28	70					233		
29	64			5		248		25 88 1941
30	59					32		Close well in
31								
						5863		

REMARKS: 4th Replace 2" nipple on well head - Restart comp.
Call Twin Stars - low coolant

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 26313 A

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

RECEIVED
MAR - 9 1998
PENDRAGON ENERGY PARTNERS, INC.

ACCOUNT NO.	INVOICE DATE	PAGE
01422	02/28/98	1

JOB NO: 26313

OM: CHACO 4

TO: RESERVE PIT

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
RANSFER WATER	5	2/16/98	84073	45.[illegible]
5.625 % SALES TAX				2.[illegible]

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.

4 AM 3/17/98

SU 612
400207

terest Charged at the Rate of 1½% **PER MONTH** OR **18% PER ANNUM** on Accounts Not Paid Within 30 Days. l Costs and Reasonable Attorney Fees for Collection Will be Paid by Purchaser. The terms and conditions as ated on the reverse side apply.

TOTAL AMOUNT DUE 48.0

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:

	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	61					226		
3	65			4		221		
4	64					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					194		
11	61					201		
12	60					205		
13	62			2		204		
14	66					195		
15	63	64	85	3		199	0	
16	69					197		
17	69			2		186		
18	64					191		
19	76					146		
20	65			2		199		
21	63					193		
22	75	100	100	0		161	0	
23	66					184		
24	67			3		177		
25	67					174		
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 _____

		PRESSURE			METER			
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
1	71					100		
2	78					90		
3	65	58	91	2		23	0	Rig on Hole
4	61					1		Blow well to pit
5	64			3		134		Put well on line
6	66					139		
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					102		
14	66					112		
15	65					110		
16	66			1		107		
17	65	65	93	1		104	0	
18	58					123		
19	63					138		
20	70					122		
21	70					115		
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					67		
29	70			1		91		
30	61					15		Close well in
31								
						3115		

REMARKS: 4th day Replace 1/2" nipple on well head - tighten cap

Walsh Engineering & Production
Well Report

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:

	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 BD	
9				1.8	8.5	131		
10				1.6	8.1	115		
11				1.6	8.2	113		
				1.6	8.2	117		
				1.6	8.1	111		
14				1.6	8.1	115		
15		55	94	1.6	8.1	115	7 BD	
16				1.6	8.2	112		
17				1.6	8.3	114		
18				1.3	8.1	108		
19				1.5	8.1	107		
20				1.3	9.0	100		
21				1.5	8.1	109		
22		103	98	1.3	8.5	93	7 BD	
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	93		
29		56	94	1.3	8.3	92	7 BD	
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 _____

		PRESSURE			METER			
DATE	LINE	TUBING	CASING	DIFF.	STAT.	MCF	WTR	REMARKS
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 B/D	
7				1.0	8.3	71		
8				1.0	8.5	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 B/D	Blow well
14				1.0	8.3	71		
15				1.0	8.2	70		
16				0.3	8.2	35		
17				0.3	8.2	35		
18				0.3	8.2	35		
19				0.3	8.5	36		
20		55	96	0.5	8.5	36	0 B/D	
21				0.5	8.6	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 B/D	
28				0.5	8.7	37		
29				0.5	8.4	36		
30				0.5	8.5	36		
31				0.5	8.5	36		
						1643		

REMARKS: 13th Replace ½" valve on csg.

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 29777 A

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

ACCOUNT NO.	INVOICE DATE	PAGE
01422	06/30/98	1

RECEIVED
JUL 18 1998
PENDRAGON ENERGY PARTNERS, INC.

JOB NO: 29777

M: SX LANSDALE FED 1

TO: FRONTIER 1A DISPOSAL

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
RANSFER PRODUCED WATER	80	6/09/98	130740	68.2
5.625 % SALES TAX				3.8

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.

mm 7/20/98

SW 612
400708

rest 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 ed on the reverse side apply.

TOTAL AMOUNT DUE 72.0

SUNCO TRUCKING COMPANY

TER & 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.	INVOICE DATE	PAGE
01422	12/31/97	1

RECEIVED
JAN 15 1998
PENDRAGON ENERGY PARTNERS, INC.

JOB NO: 24569

M: 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.

SW 6/2
400108

Interest Charged at the Rate of 1½% 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

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 25571 A

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

RECEIVED
FEB 12 1998
PENDRAGON ENERGY PARTNERS, INC.

ACCOUNT NO.	INVOICE DATE	PAGE
01422	01/31/98	1

JOB NO: 25571

M: 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

UMMARY: BBLS

RUCKING W/TAX:	480	516.65	= 1.08	PER BBL
ISPOSAL W/TAX:		.00	= .00	PER BBL
OTAL :	480	516.65	= 1.08	PER BBL.

SU612
400708

est 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 ed on the reverse side apply.

TOTAL AMOUNT DUE 516.65

ORIGINAL

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 27187 A

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

ACCOUNT NO.	INVOICE DATE	PAGE
01422	03/31/98	1

RECEIVED
APR 14 1998
PENDRAGON ENERGY PARTNERS, INC.

JOB NO: 27187

FROM: SX LANSDALE FED 1 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

erest 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 ted on the reverse side apply.

TOTAL AMOUNT DUE 468.5

ORIGINAL

SUNCO TRUCKING COMPANY

WATER & OILFIELD HEAVY HAULING

INVOICE

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

INVOICE NO. 27994 A

PENDRAGON PARTNERS
SUITE 750
621 17TH STREET
DENVER, CO 80293

ACCOUNT NO.	INVOICE DATE	PAGE
01422	04/30/98	1

RECEIVED
MAY 14 1998
PENDRAGON ENERGY PARTNERS, INC.

JOB NO: 27994

FROM: SX LANDSDALE FED 1

TO: FRONTIER 1A DISP

DESCRIPTION	BBLS	DATE	FREIGHT BILL NO.	AMOUNT
OIL 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.

SL 612

400108

erest 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 ted on the reverse side apply.

TOTAL AMOUNT DUE 72.09

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: SF 080238A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: Chaco

3. ADDRESS OF OPERATOR: P.O. Box 1541, Farmington, New Mexico 87401

9. WELL NO.: 5

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

10. FIELD AND POOL, OR WILDCAT: Wildcat

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

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5979 ft. G.L.

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☒	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Completion			☒
(Other)				(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.

RECEIVED
MAY 4 1977
U. S. GEOLOGICAL SURVEY

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

SIGNED [signature] 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

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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

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 DF, KDB, AND WD)
5979 G.R.

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

(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 _____ Set @ _____ Ft.

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

SIGNED Steven S. Dunn 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

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 & 790' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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 DF, KDB, AND WD)
5979

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)			

(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 with
3500 gal. water and 2500# sand.
Swab in.
Rerun 1-1/4" tubing.

RECEIVED
MAY 4 -
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

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

SIGNED J. Gregory Merrion TITLE Co-Owner DATE May 3, 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 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, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Picture Cliff	1165 ft.		Gas, water	Kirtland Fruitland Pic. Cliff	372' 880' 1162'	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

RECEIVED
BLM MAIL ROOM

92 FEB 11 AM 11:08

FARMINGTON RESOURCE AREA

DATE: 1-3-92

REV DATE: _____

ATTACHMENT C
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	[redacted] #1	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 10-1-78

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

Operator	Lease	Well No.
Merrion Oil & Gas Corp.	Chaco	4

Unit Letter	Section	Township	Range	County
D	7	26N	12W	San Juan

Actual Footage Location of Well:
790 feet from the North line and 790 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5991	Pictured Cliffs	WAW Fruitland Pictured Cliffs Sand	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

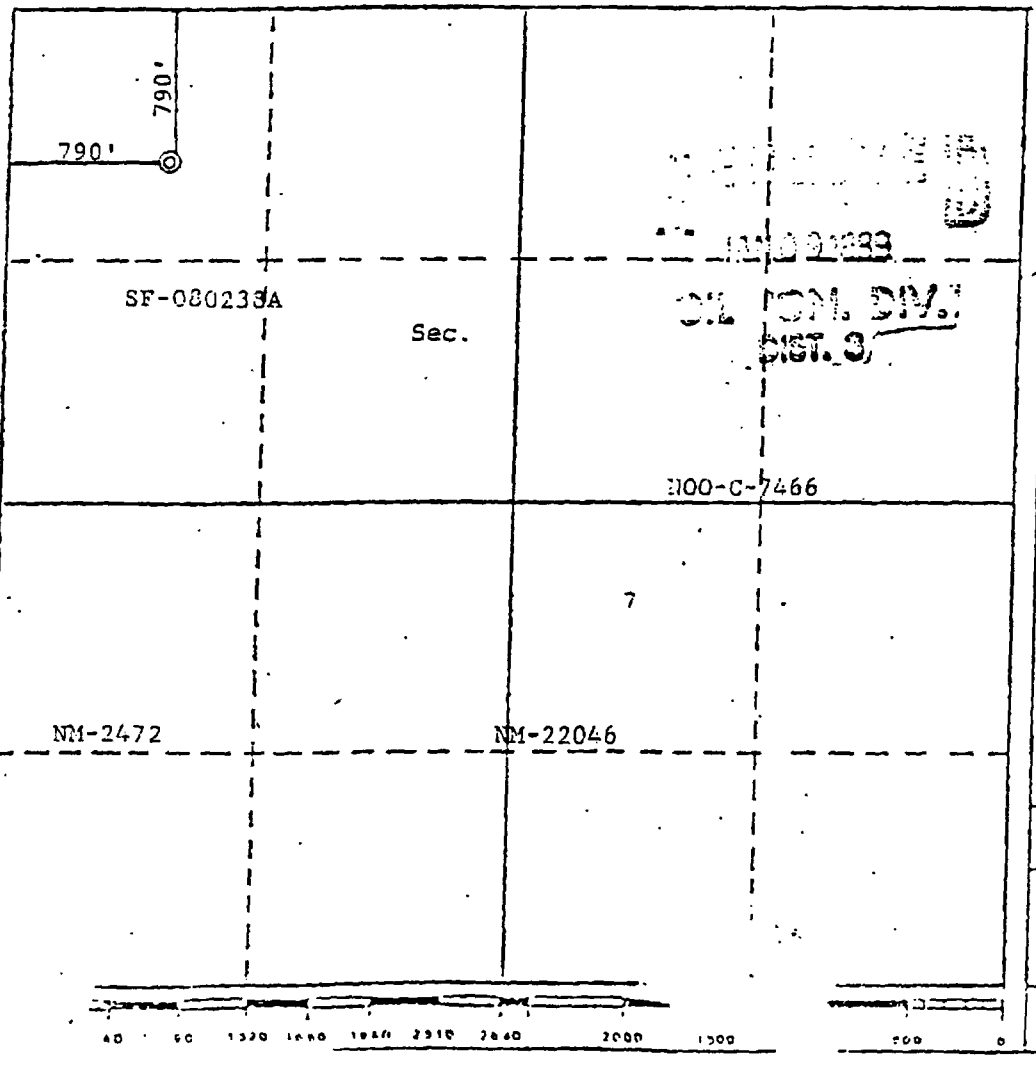
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



RECEIVED
JAN 03 1989
OIL CON. DIV.
DIST. 3

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

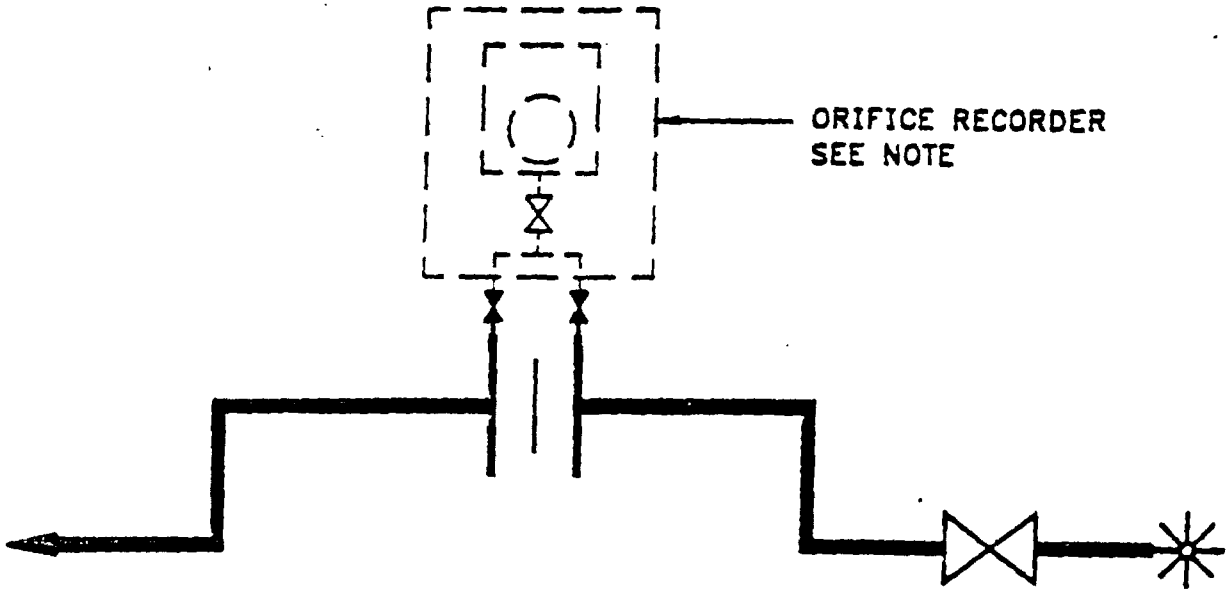
WELL LOCATION AND ACREAGE DEDICATION PLATS

ATTACHMENT A

AGREED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT USED FOR ANNUAL TEST



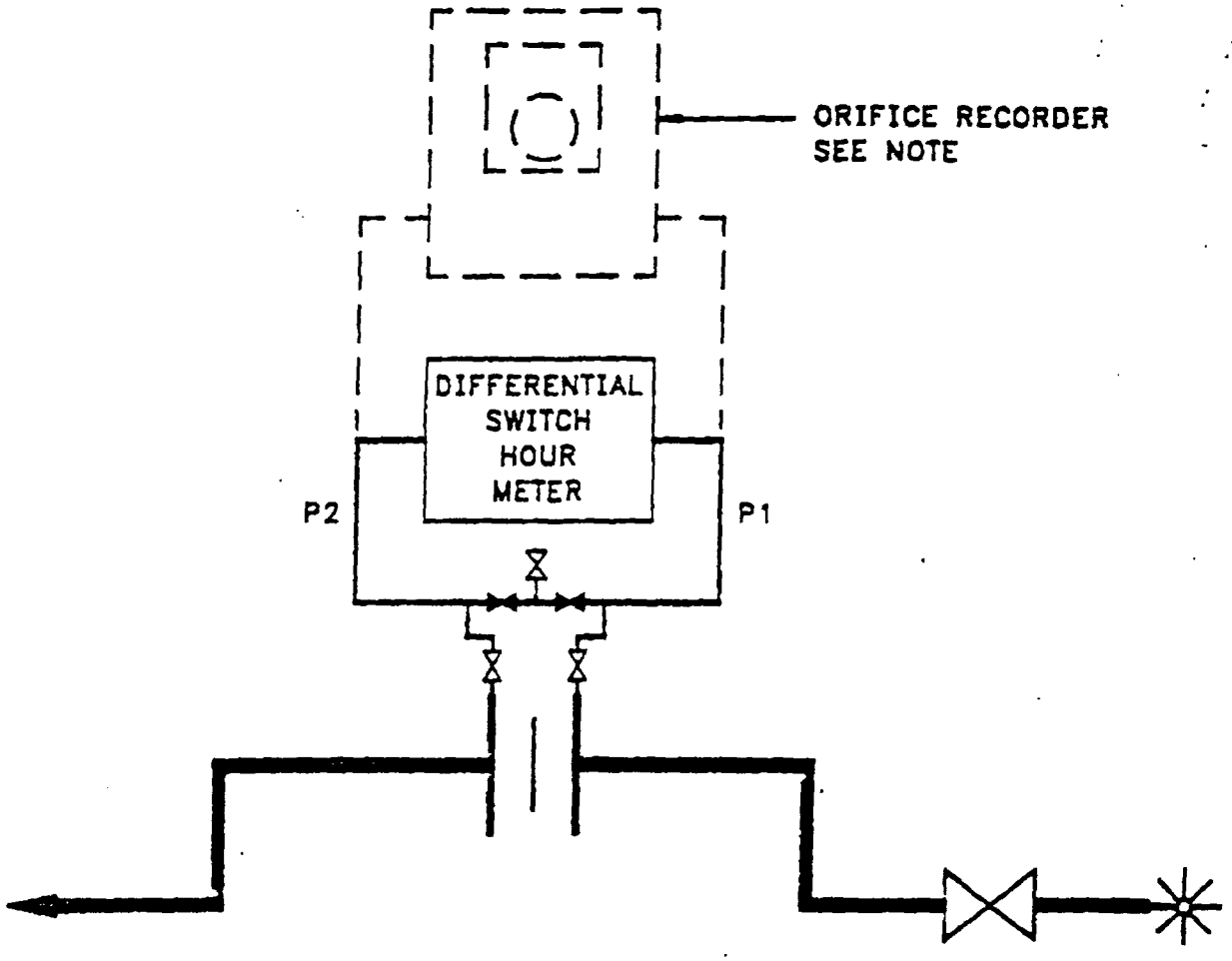
NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

ATTACHMENT A

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)
      Annual or Test Period Flow Hours

   b. Example: 3365 MCF = 0.57 MCF/Hour Average Flow Rate
      5877.8 Hours

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 (Average Hourly MCF) x 24 = 13.68 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 (Hours) X .31 (MCF) = 611 MCF
      611 MCF X 1097 BTU = 670 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 (days) X 4 (MCF) = 124 MCF
      124 MCF X 1097 BTU = 136 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

Chaco 4

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, Allottee 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	☐ 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 _____	☐ 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 RESOURCE AREA
FARMINGTON, NEW MEXICO

FEB - 4 1992

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

Signed Steven S. Dunn Title Operations Manager Date 2/10/92

APPROVED

(This space for Federal or State office use)

Approved by _____ Title _____ Date FEB 13 1992

Conditions of approval, if any:

OPERATOR

AREA MANAGER

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

2/28/95 copy to J.K. Edwards

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

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

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

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

8. Well Name and No.: Chaco #4

2. Name of Operator: J. K. EDWARDS ASSOCIATES, INC. 011307

9. API Well No.: 30-045-22410

3. Address and Telephone No.: c/o Walsh Engr. & Prod. Corp.
7415 E. Main Farmington, New Mexico 87402 505 327-4892

10. Field and Pool, or Exploratory Area: NIIP Pictured Cliffs

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790'FNL & 790'FWL
Section 7, T26N, R12W

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	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 See Below	☐ 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. Thompson Title Paul C. Thompson, Agent ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____ Title _____ FEB 22 1995

Conditions of approval, if any:

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

Formation PC Stage No. 1 Date 5/10/95

Operator J. K. EDWARDS ASSOCIATES INC. Lease and Well Chaco #4

Correlation 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 ppg

Flush _____ gallons. Additives _____

Breakdown _____ psig

Ave. Treating Pressure 1700 psig

Max. Treating Pressure 2400 psig

Ave. Injecton Rate 26 BPM

Hydraulic Horsepower _____ HHP

Instantaneous SIP 600 psig

5 Minute SIP 490 psig

10 Minute SIP 430 psig

15 Minute SIP 370 psig

Ball Drops: _____ Balls at _____ gallons _____ psig increa

_____ Balls at _____ gallons _____ psig increa

_____ Balls at _____ gallons _____ psig increa

Remarks: _____

Walsh ENGINEERING & PRODUCTION CORP.

6/14/95 copy to JKE

RECEIVED
BLM
95 JUN -5 AM 11:43
070 FARMINGTON, NM

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

5. Lease Designation and Serial No.: SF-080238A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:
1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
8. Well Name and No.: Chaco #4
2. Name of Operator: J. K. EDWARDS ASSOCIATES
9. API Well No.: 30-045-22410
3. Address and Telephone No.: c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 505 327-4892
10. Field and Pool, or Exploratory Area: NIIP Pictured Cliffs
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 790'FNL & 790'FWL Section 7, T26N, R12W
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	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other See Below	[ ] 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.)*

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 Date JUN 05 1995

(This space for Federal or State office use)

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

FARMINGTON DISTRICT OFFICE
BY _____

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.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: SF 080238A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: Chaco

3. ADDRESS OF OPERATOR: P.O. Box 1541, Farmington, New Mexico 87401

9. WELL NO.: 4

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

10. FIELD AND POOL, OR WILDCAT: Wildcat

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

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5991 G.L.

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	X	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Completion			X
(Other)			☐	(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)

RECEIVED
MAY 5 1977
U. S. GEOLOGICAL SURVEY

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

SIGNED Steven A. Shuman 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: *"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, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Picture Cliff	1163 ft.		Gas, salt water

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Kirtland	326'	
Fruitland	1024'	
Pic. Cliff	1163'	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

Form 9-330
(Rev. 5-68)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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.: 4

10. FIELD AND POOL, OR WILDCAT: N.I.I.P. Picture Cliff

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

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

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

3. ADDRESS OF OPERATOR: P.O. Box 507, Farmington, New Mexico 87401

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

14. PERMIT NO.: — DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4-11-77	4-25-77	5-02-77	5991 G.R.	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
1300 ft.	1268 ft.		→	0-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)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5-1/2"	15.5	40 ft.	7-7/8"	6 sacks	
2-7/8"	6.5	1294 ft.	4-3/4"	100 sacks	

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)
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

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	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
05-03-77	1.5	3/4"					

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			--	480 MCF/day	--	

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

TEST WITNESSED BY

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 Steven S. Dunn TITLE Engineer DATE May 17, 1977

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

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM
JAN 10 PM 12:36
070 FARMINGTON, NM

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

5. Lease Designation and Serial No. SF080238-A
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation

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

8. Well Name and No. CHACO 4

2. Name of Operator
PENDRAGON ENERGY PARTNERS, INC.

9. API Well No. 30-045-22410

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

10. Field and Pool, or Exploratory Area
WAW FRUITLAND SAND PC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' FNL + 790' FWL SEC. 7-T26N-R12W, NMPM

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	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 CHANGE OF OPERATOR	☐ 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

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by ____________ Title ____________ Date MAR 11 1996
Conditions of approval, if any:

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	Sec. 24, T24N, R6W	30-039-20571	Basin Dakota	Rio Arriba
SF-079086	Canada Mesa 3	790' FNL & 790' FEL	Sec. 14, T24N, R6W	30-039-20632	Basin Dakota	Rio Arriba
SF-079086	Canada Mesa 4	790' FNL & 790' FEL	Sec. 10, T24N, R6W	30-039-23183	Devils Fork Gallup/Basin Dakota	Rio Arriba
SF-078874	Canyon Largo Unit No. 185	1650' FSL & 1600' FWL	Sec. 3, T24N, R6W	30-039-20521	Devils Fork Gallup/Basin Dakota	Rio Arriba
NM-0560223	Frew Federal 1	1800' FSL & 1600' FEL	Sec. 20, T26N, R12W	30-045-22052	WAW Fruitland Sand PC	San Juan
NM-0560223	Frew Federal 2	1190' FSL & 1600' FWL	Sec. 20, T26N, R12W	30-045-22477	WAW Fruitland Sand PC	San Juan
NM-22046	Chaco No. 2	980' FSL & 1807' FWL	Sec. 7, T26N, R12W	30-045-22310	WAW Fruitland Sand PC	San Juan
NM-22046	Chaco No. 2R	1850' FSL & 1850' FWL	Sec. 7, T26N, R12W	30-045-23691	WAW Fruitland Sand PC	San Juan
NM-31059	Dome Federal 14-26-13-2	1530' FNL & 1790' FEL	Sec. 14, T26N, R13W	30-045-23526	WAW Fruitland Sand PC	San Juan
SF-081102A	Frontier 1	1850' FSL & 1850' FWL	Sec. 5, T26N, R12W	30-045-06033	Gallegos Gallup	San Juan
SF-078874	Canyon Largo Unit 311	2154' FNL & 1850' FWL	Sec. 3, T24N, R6W	30-039-22887	Devils Fork Gallup	Rio Arriba
SF-078874	Canyon Largo Unit 302	1830' FSL & 1650' FEL	Sec. 3, T24N, R6W	30-039-22684	Devils Fork Gallup	Rio Arriba
SF-078877	Canyon Largo Unit 306	1850' FSL & 2150' FWL	Sec. 11, T24N, R6W	30-039-23083	Devils Fork Gallup	Rio Arriba
Add.						
Nm 055811	Old Rock Com 3	1840' fsl + 1805' fel	Sec. 28, T25N, R6W		Devils Fork Gallup	Rio Arriba

Closed DK

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

5. Lease Designation and Serial No.
Various - see list

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
Various - see list

2. Name of Operator
Merrion Oil & Gas Corporation

9. API Well No.
See list

3. Address and Telephone No.
P. O. Box 840, Farmington, New Mexico 87499 (505) 327-9801

10. Field and Pool, or Exploratory Area
See List

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Various location -- see attached 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	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 remedial work	☐ 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 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, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Pic. Cliffs.	1132'	1142'	Natural Gas

38. GEOLOGIC MARKERS

NAME	TOP: MEAS. DEPTH	TOP: TRUE VERT. DEPTH
Ojo Alamo	Surface	
Kirtland	50'	
Fruitland	850'	
Pic. Cliffs	1132'	

ACCEPTED FOR RECORD
JAN 2 1980
FARMINGTON
BY

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
GPO 837-497

871-233

Form 9-331
(Rev. 5-63)

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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.: 2-R

10. FIELD AND POOL, OR WILDCAT: WAW Fruitland/Pic. Cl

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

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ 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 and in accordance with any State requirements)*
At surface: 1850 FSL & 1850 FWL
At top prod. interval reported below: same
At total depth: same

14. PERMIT NO.: — DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-02-79	10-04-79	01-14-80	5954' GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
1248'	1213'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Pictured Cliffs @ 1132-1142'

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN: IES Induction Log, Correlation Log.

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"	25	95'	9"	50 sacks	
2-7/8"	6.5	1249'	5"	100 sacks Class "A" Econo-Fill and 60 sacks Class "A"	

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): 1132-1142' w/2-1/8" glass jets, 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)
01-14-80	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
01-14-80	1	1/2"		0	150/day	0	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
---	18		0	150	0	

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

TEST WITNESSED BY: ACCEPTED FOR RECORD Allen D. Anderson

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 [signature] TITLE Engineer DATE 01-23-80

JAN 29 '80

FARMINGTON, N. M.

BY

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

NOCD ATTN

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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

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 Pictured Cliffs

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

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

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

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

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
FARMINGTON DISTRICT
BY _____

*See Instructions on Reverse Side

OPERATOR

Form 9-331
Dec. 1973

Budget Bureau No. 42-R1424

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

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, T25N, R12W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. API NO.

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

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)			

RECEIVED
JAN 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.)*

01-11-80 Rig up Farmington Well Service and Blue Jet. Ran Correlation log from PBTD 1213' to 900' and from 550' to 300'. Swabbed to 800'. Perforated Pictured Cliffs 1132-1142' with 1/2" glass jets 2/PF, 20 holes. Swabbed dry. Making est. 100 MCF per day. Blowing to clean up.

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

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

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

SIGNED _____ TITLE Engineer DATE January 23, 1980

(This space for Federal or State office use)

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

OPERATOR

*See Instructions on Reverse Side

FEB 1 '80
FARMINGTON DISTRICT
BY _____

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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

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 DF, KDB, AND WD)
5954 ft. GL

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			

RECEIVED
OCT 10 1979
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.)*

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 Cliffs 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. Injecton 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 increas
_____ Balls at _____ gallons _____ psig increas
_____ Balls at _____ gallons _____ psig increas

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

Walsh ENGINEERING & PRODUCTION CORP.

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

5. Lease Designation and Serial No.: NM-22046

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

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

8. Well Name and No.: Chaco #2R

2. Name of Operator: J. K. EDWARDS ASSOCIATES, INC.

9. API Well No.: 30-045-23691

3. Address and Telephone No.: c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 505 327-4892

10. Field and Pool, or Exploratory Area: WAW FTS/PC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1850'FSL & 1850'FWL Section 7, T26N, R12W

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	☐ Recompletion	☐ Plugging Back
☒ Subsequent Report	☐ Casing Repair	☐ Altering Casing	☒ Other See Below
☐ Final Abandonment Notice	☐ 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

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____ Title _____ Date MAR 15 1995

Conditions of approval, if any:

FARMINGTON DISTRICT OFFICE

BY _____

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.

OPERATOR

SURFACE WELL CONTROL EQUIPMENT

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

MERRION-BAYLESS

DRAWN BY

REVISED

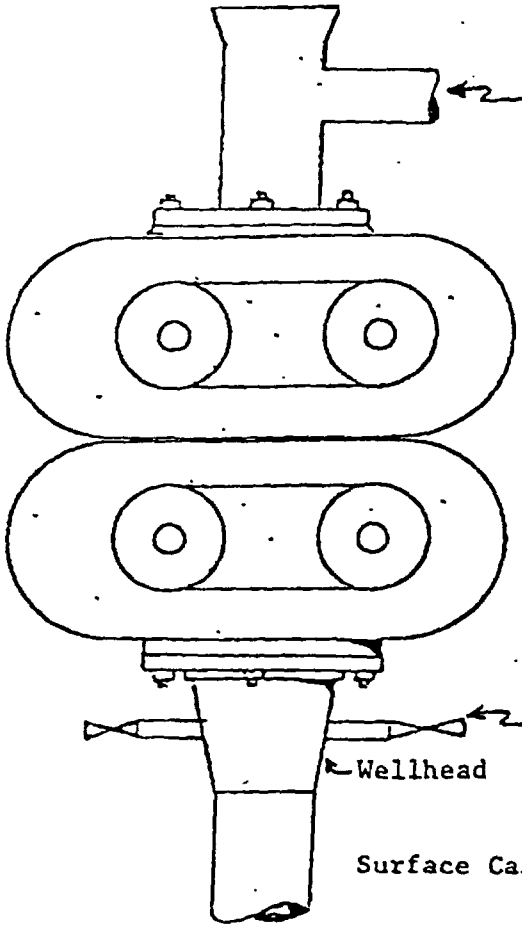
DRAWING NUMBER

APPROVED BY:

SCALE:

DATE:

SCHEMATIC



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

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 and 1850 FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

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 DF, KDB, AND WD)
5954 ft. GL

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			

(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.)*

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

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

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

SIGNED _____ TITLE Co-Owner DATE September 18, 1979

(This space for Federal or State office use)

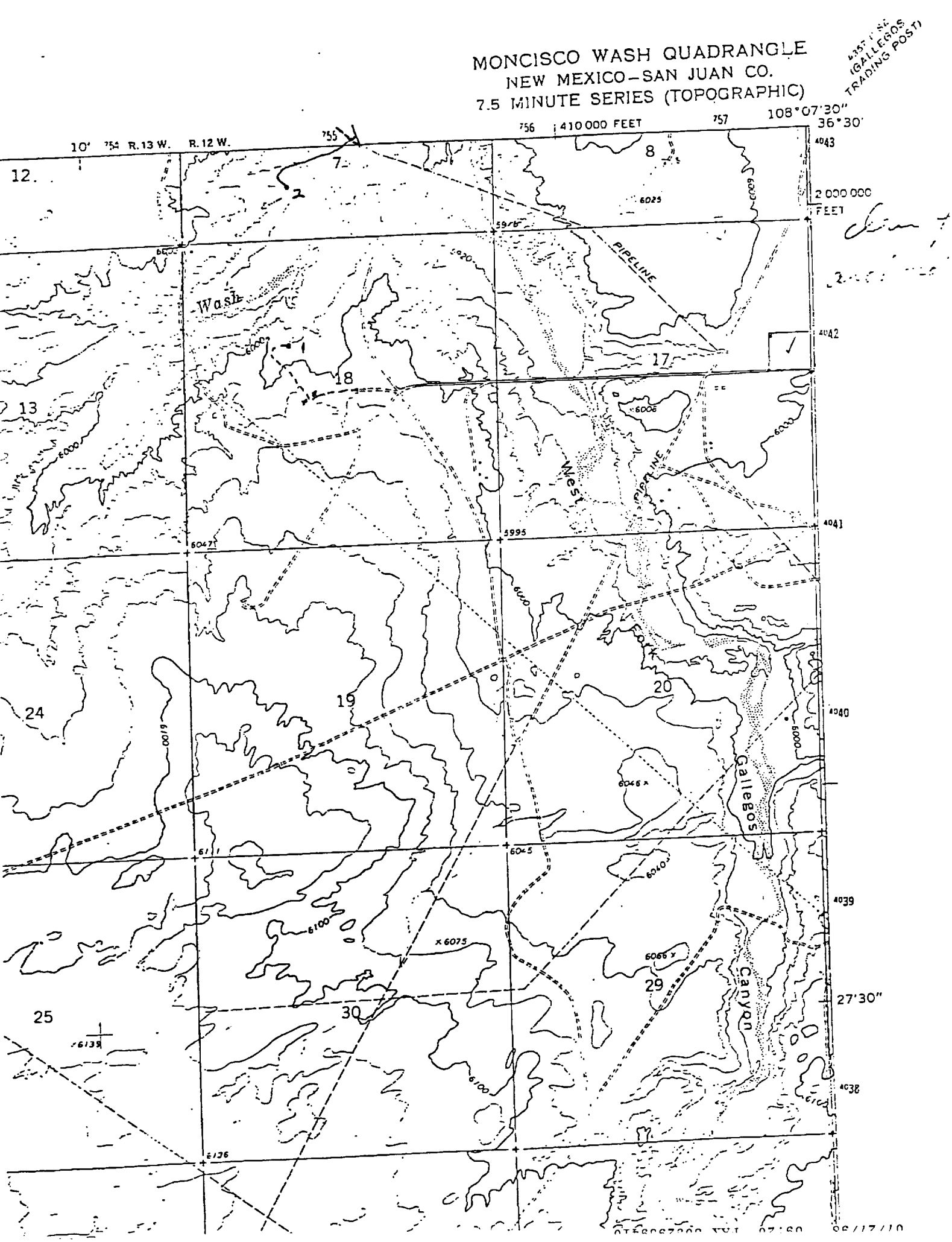
APPROVED _____ TITLE _____ DATE _____

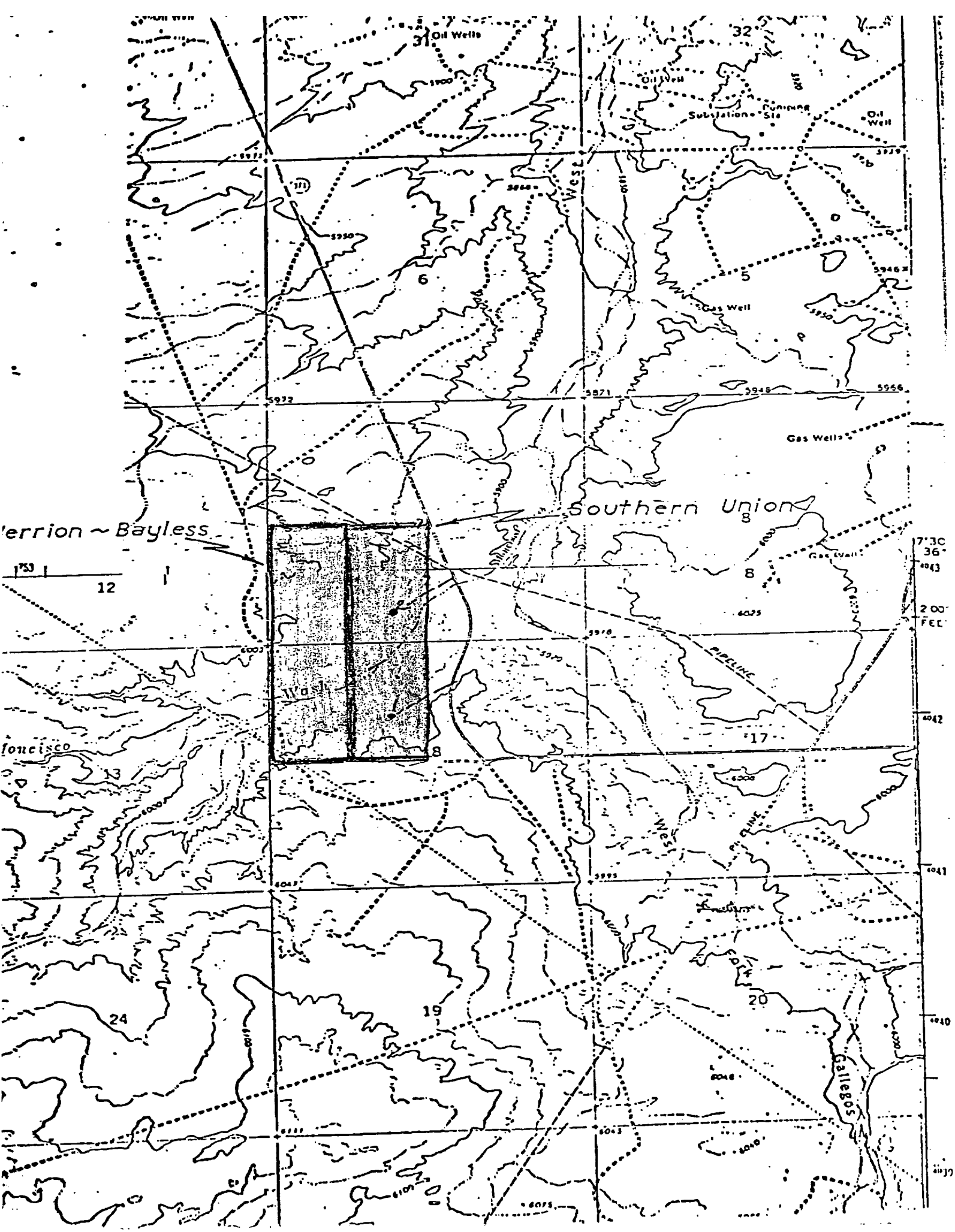
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
SEP 27 1979
DAVID MALDONADO
DISTRICT OIL & GAS SUPERVISOR

*See Instructions on Reverse Side

OPERATOR

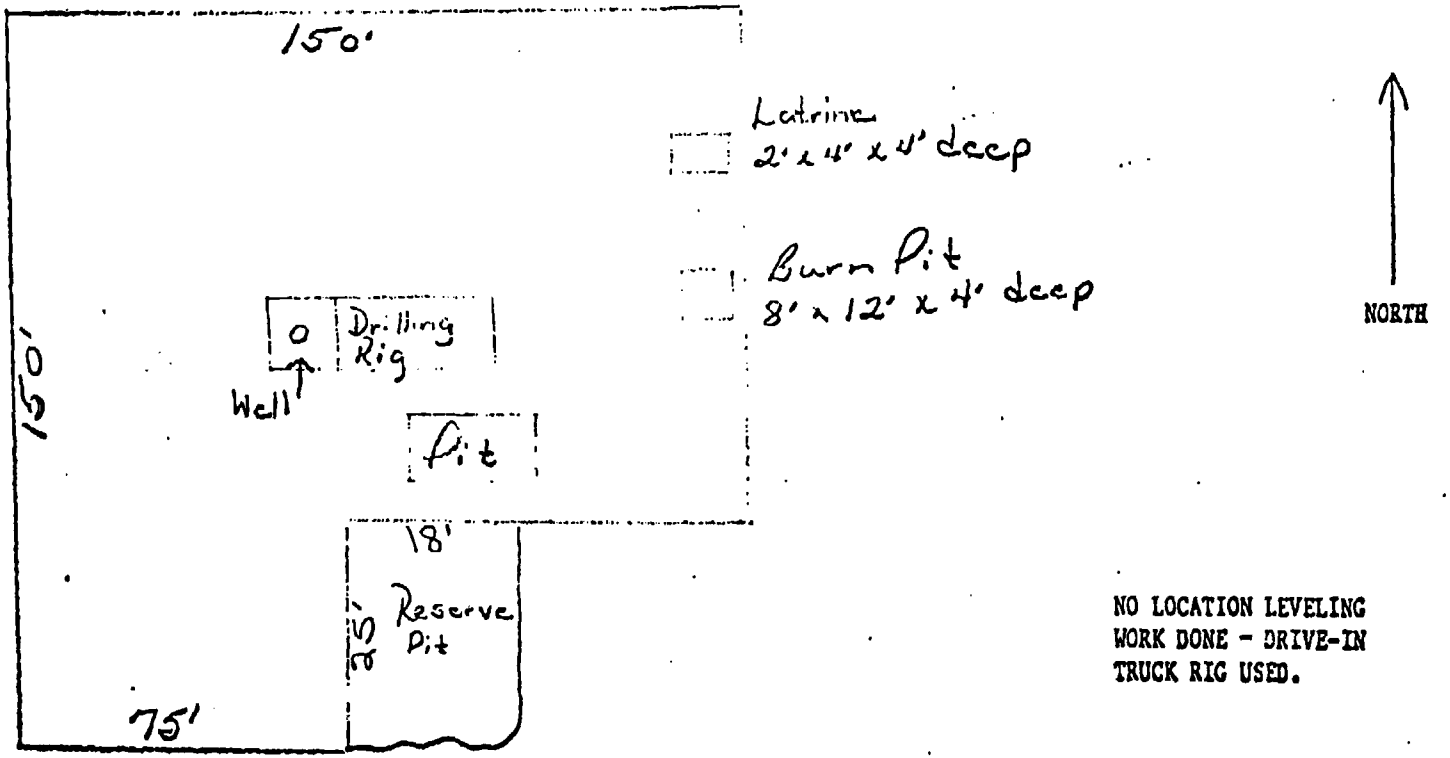

MONCISCO WASH QUADRANGLE
NEW MEXICO–SAN JUAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
108°07'30"
36°30'
410 000 FEET
2 000 000 FEET
10'
R.13 W.
R.12 W.
PIPELINE
West Fork
Gallegos Canyon
Wash
12.
13
24
25
18
19
20
29
30
17
8
7
2
1
6025
6020
6000
6005
6006
6009
6040
6045
6046
6066
6075
6100
6136
6139
5995
5976
4043
4042
4041
4040
4039
4038
27'30"


Oil Wells
Oil Well
Substation
Pumping Sta
Gas Well
Gas Wells
Southern Union
Gallegos
PIPELINE
West
31
32
6
5
1
8
17
24
19
20
12
5972
5871
5948
5966
5946
5950
5900
6000
6025
6043
6041
6040
6020
6075
4043
4042
4041
4040

Shallow Wells

LOCATION AND EQUIPMENT LAY-OUT

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

NE' MEXICO OIL CONSERVATION COMMISSIC

WELL .OCATION AND ACREAGE DEDICATION .AT

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

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

Operator	Lease	Well No.
MERRION & BAYLESS	Chaco	1

Unit Letter	Section	Township	Range	County
F	18	26 North	12 West	San Juan

Actual Footage Location of Well:
1846 feet from the North line and 1806 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5989	Pictured Cliffs	Wildcat	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

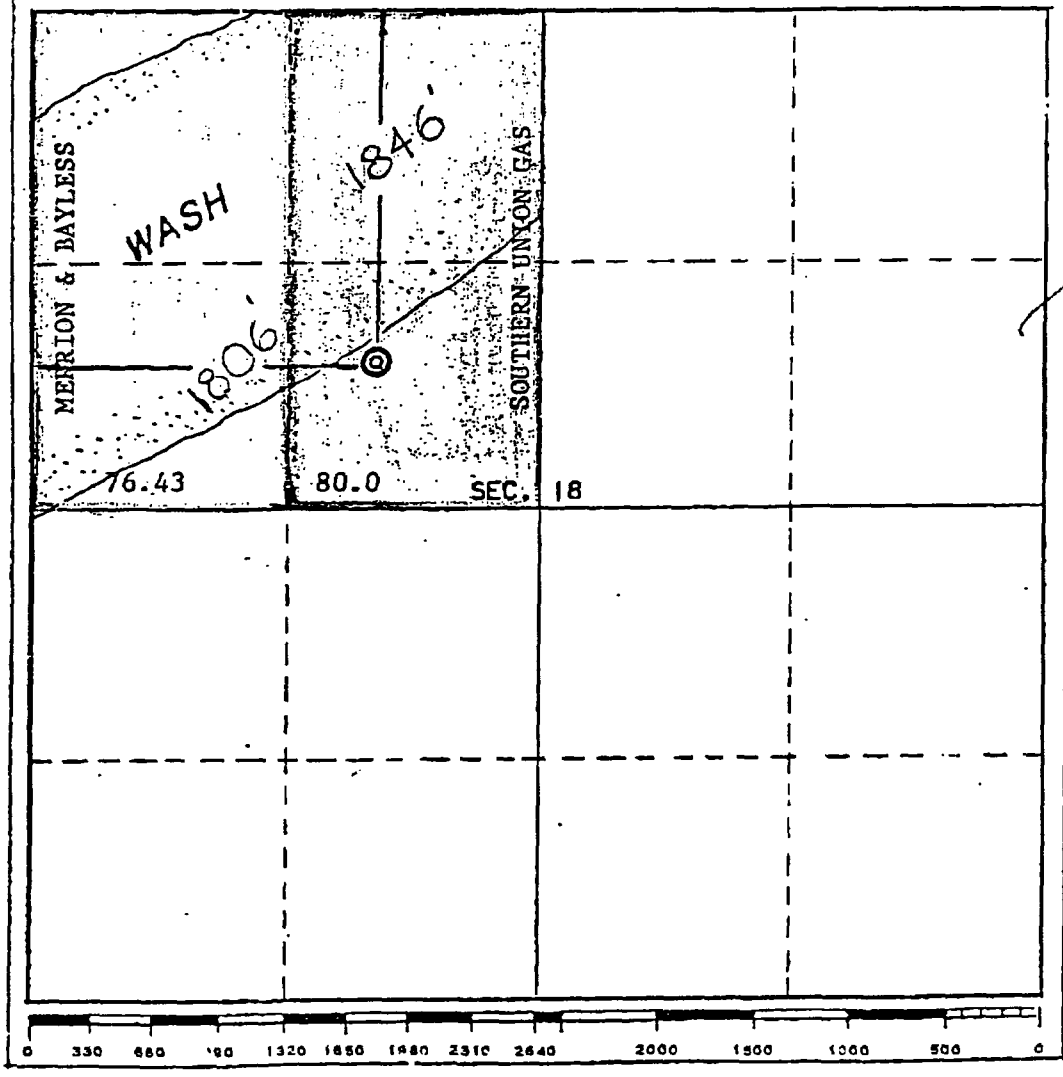
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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?

[X] 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 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.

REG. NO. 3602
NEW MEXICO
ERNEST V. ECHOHAWK
REGISTERED LAND SURVEYOR

Date Surveyed
January 9, 1977

Registered Professional Engineer and/or Land Surveyor

Certificate No. 3602
E.V.Echohawk

AMENDED REPORT

Form 9-331 C (May 1963)

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 [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

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.*)
At surface: 1846 FNL and 1806 FWL
At proposed prod. zone: Same

5. LEASE DESIGNATION AND SERIAL NO.: ~~NM 0472~~ NM22046

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: San Juan

13. STATE: N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*:

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any):

16. NO. OF ACRES IN LEASE:

17. NO. OF ACRES ASSIGNED TO THIS WELL: 156.43

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.:

19. PROPOSED DEPTH: 1400

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5989 GL

22. APPROX. DATE WORK WILL START*: January 15, 1977

23. 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
P. T. McGRATH
DISTRICT ENGINEER

P.T. McGrath

JAN 11 1977
U. S. 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 /VIII- 148

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.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: NM 22046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: Chaco

3. ADDRESS OF OPERATOR: P.O. Box 1541, Farmington, New Mexico 87401

9. WELL NO.: #1

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

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 18, T26N, R12W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5989 G.L.

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Well Completion			☒
(Other)	☐			(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.)*

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 S. Dunn TITLE Engineer DATE March 7, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAR 8 1977

*See Instructions on Reverse Side

DATE : Ref Agreement dated 1-22-92 Page 1 of 1

REV DATE: 9-8-92

ATTACHMENT
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	2761.9	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 Lindrith #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 #6	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 :

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

NM-22074
30-045-22309

Form C-102
Revised 10-1-78

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

Operator	Lease	Well No.
MERRION OIL & GAS CORP.	Chaco	1

Unit Letter	Section	Township	Range	County
F	18	26N	12W	San Juan

Actual Footage Location of Well:
1846 feet from the North line and 1806 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5989	Pictured Cliffs	WAW FRUITLAND PICTURED CLIFFS SAND	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

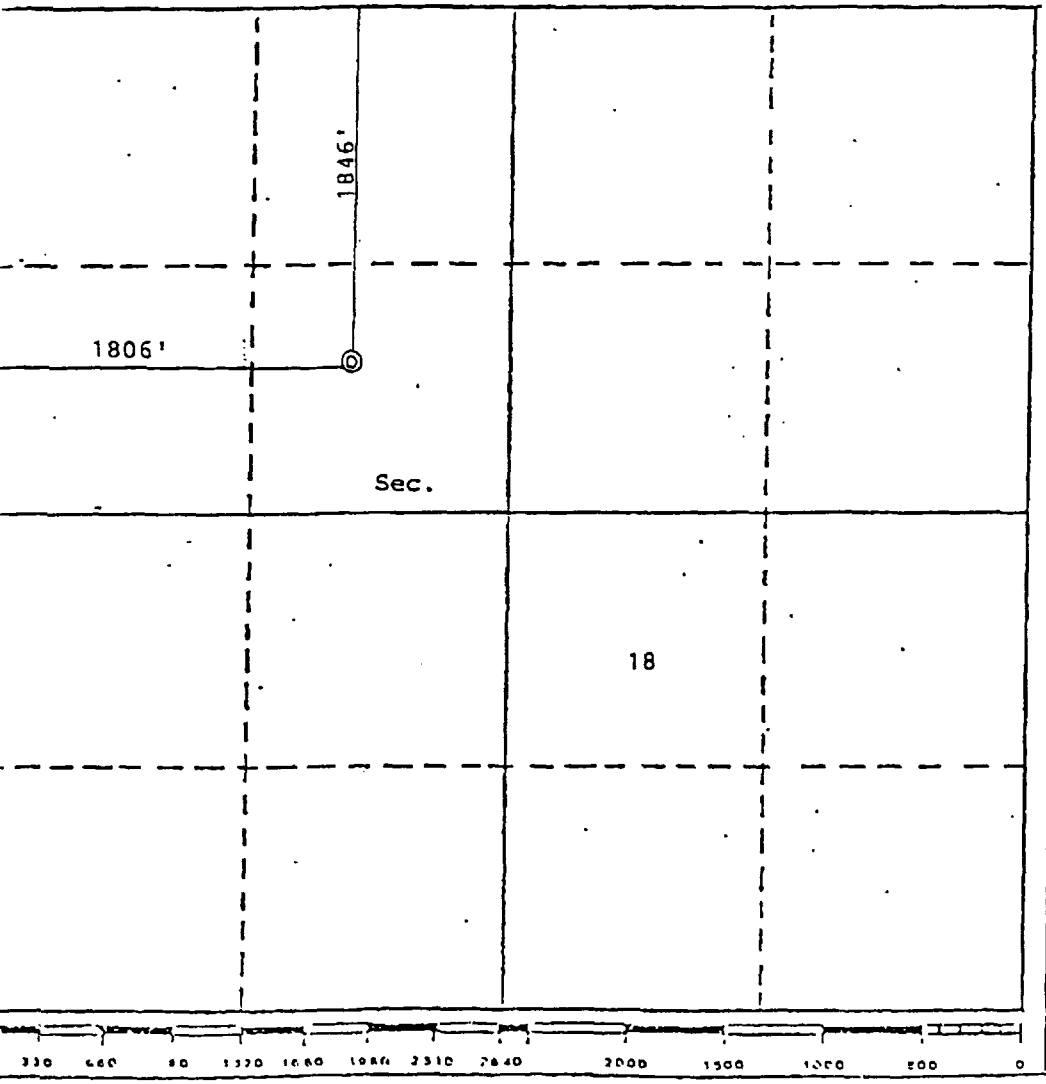
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

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.

RECEIVED
BLM
'89 JAN 17 PM 1 31
FARMINGTON, N.M.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

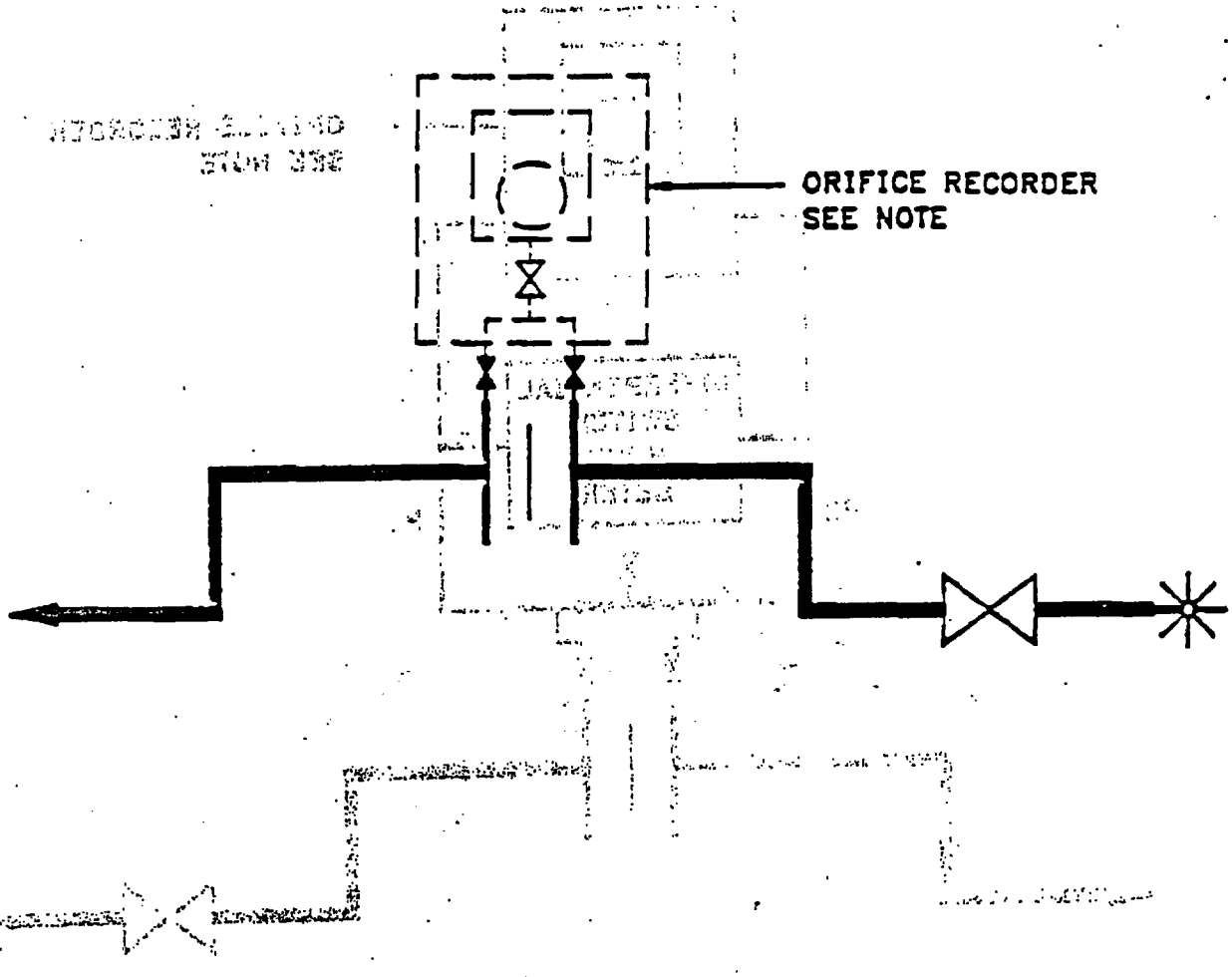
Certificate No.

ATTACHMENT A

AGREED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT USED FOR ANNUAL TEST



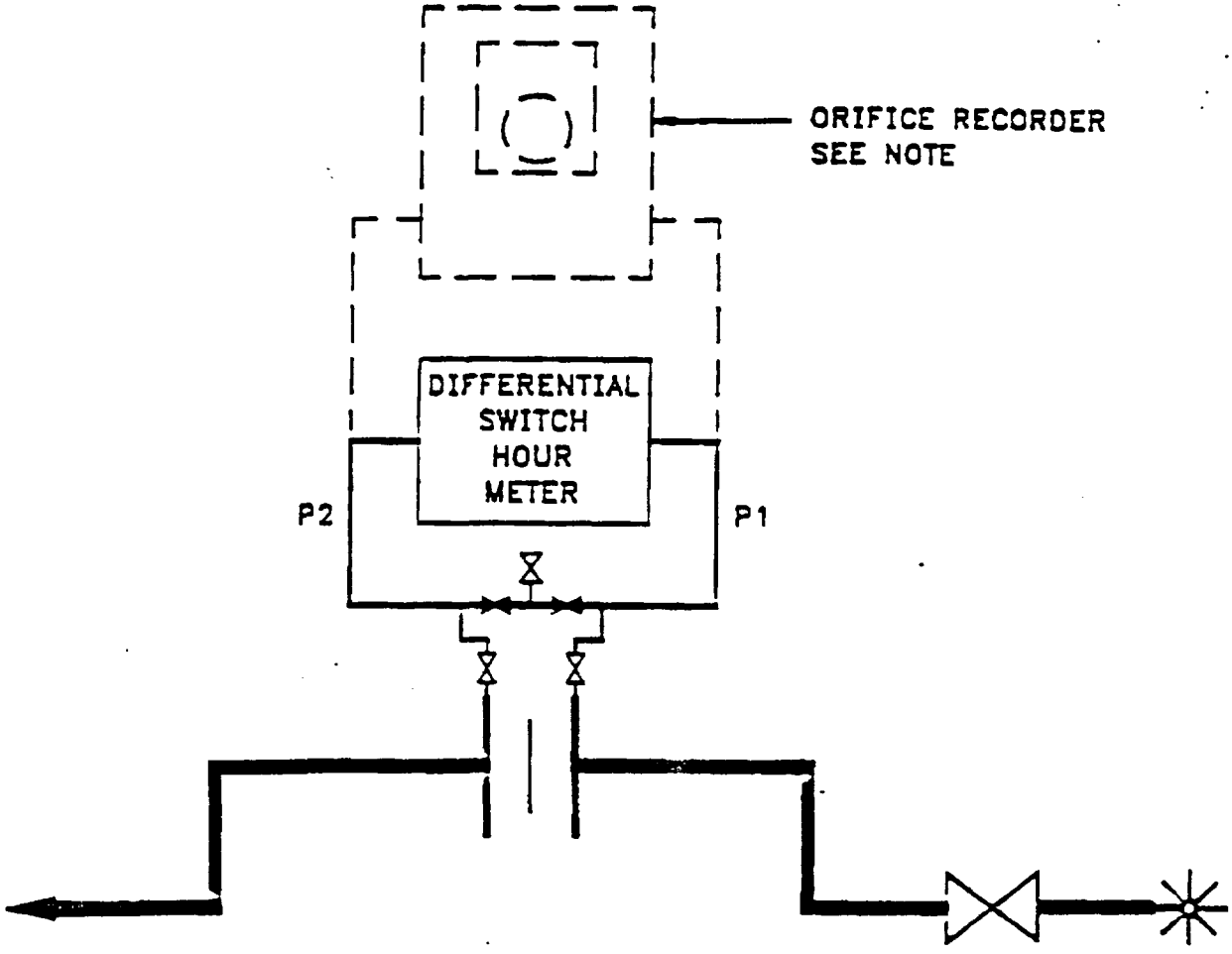
NOTE: ORIFICE RECORDER TEMPORARILY INSTALLED ONLY TO CONDUCT 16 DAY ANNUAL TEST

ATTACHMENT A

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)
      Annual or Test Period Flow Hours

   b. Example: 3365 MCF = 0.57 MCF/Hour Average Flow Rate
      5877.8 Hours

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 (Average Hourly MCF) x 24 = 13.68 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 (Hours) X .31 (MCF) = 611 MCF
      611 MCF X 1097 BTU = 670 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 (days) X 4 (MCF) = 124 MCF
      124 MCF X 1097 BTU = 136 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

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

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.: 1 & 2 CDP Chaco Plants — See attachment
9. API Well No.:
10. Field and Pool, or Exploratory Area:
11. County or Parish, State:

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): 26N-12W — Various locations (see attachments)

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 _____	☐ 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
92 DEC 17 PM 1:31
019 FARMINGTON, N.M.

RECEIVED
FEB 23 1993

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

Signed: Stephen S. Dunn — Title: Operations Manager — Date: 12-16-92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

APPROVED
FEB 23 1993
AREA MANAGER

OPERATOR

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

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: NM 22046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: Chaco

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

9. WELL NO.: 1

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

10. FIELD AND POOL, OR WILDCAT: NIPP Pic. Cliff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 18, T26N, R12W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5989 G.L.

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Running Tubing			☒
(Other)	☐			(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 Steven S. Dunn 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, bateriacide, 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. Injecton 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.

GL 711C01 - 4 pgs 0127/95

FILE COPY

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

5. Lease Designation and Serial No.
NM-22046

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
Chaco #1

2. Name of Operator
J. K. EDWARDS ASSOCIATES, INC. 011307

9. API Well No.
30-045-22309

3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp.
7415 E. Main Farmington, New Mexico 87402 505 327-4892

10. Field and Pool, or Exploratory Area
NIIP Pictured Cliffs

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1846'FNL & 1806'FWL
Section 18, T26N, R12W

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	☐ 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 See Below	☐ 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 2/20/95

(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 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, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Picture Cliff	1113 ft.	1292 ft.	Gas, Water	Kirtland Fruitland Picture Cliff	111 ft. 464 ft. 1113 ft.	

U.S. GOVERNMENT PRINTING OFFICE: 1983—O-683636

Form 9-330
(Rev. 5-63)

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*

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 BLOCK AND SURVEY OR AREA: Sec. 18, T26N, R12W

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ 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: same
At total depth: same

14. PERMIT NO.: — DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2/17/77	2/22/77	3/3/77	5989 G.R.	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
1350 ft. G.R.	1137 ft. G.R.		→	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)

30. TUBING RECORD

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. 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)
		Shut-in Awaiting Connection

DATE OF TEST	HOURS TESTED	CHOKE 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, 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 Steven S. Dunn 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; CORED 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	1113 ft.	1292 ft.	Gas, Water

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Kirtland	111 ft.	
Fruitland	464 ft.	
Picture Cliff	1113 ft.	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683836

Form 9-330
(Rev. 5-63)

SUBMIT IN DUPLICATE*

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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 BLOCK AND SURVEY OR AREA: Sec. 18, T26N, R12W

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

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ 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: same
At total depth: same

14. PERMIT NO.: — DATE ISSUED:

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2/17/77	2/22/77	3/3/77	5989 G.R.	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
1350 ft. G.R.	1137 ft. G.R.		→	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)

30. TUBING RECORD

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. 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): Shut-in Awaiting Connection

DATE OF TEST	HOURS TESTED	CHOKE 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, 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 [signature] TITLE Engineer DATE March 29, 1977

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

RECEIVED
BLM MAIL ROOM

92 FEB 11 AM 11:08

FARMINGTON RESOURCE AREA

DATE: 1-3-92

REV DATE: _____

ATTACHMENT C
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	[redacted]	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 10-1-78

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

Operator	Lease	Well No.
MERRION OIL & GAS CORP.	Chaco	5

Unit Letter	Section	Township	Range	County
P	1	26N	13W	San Juan

Actual Footage Location of Well:
790 feet from the South line and 790 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5979	Pictured Cliffs	WAW Fruitland Pictured Cliffs Sand	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

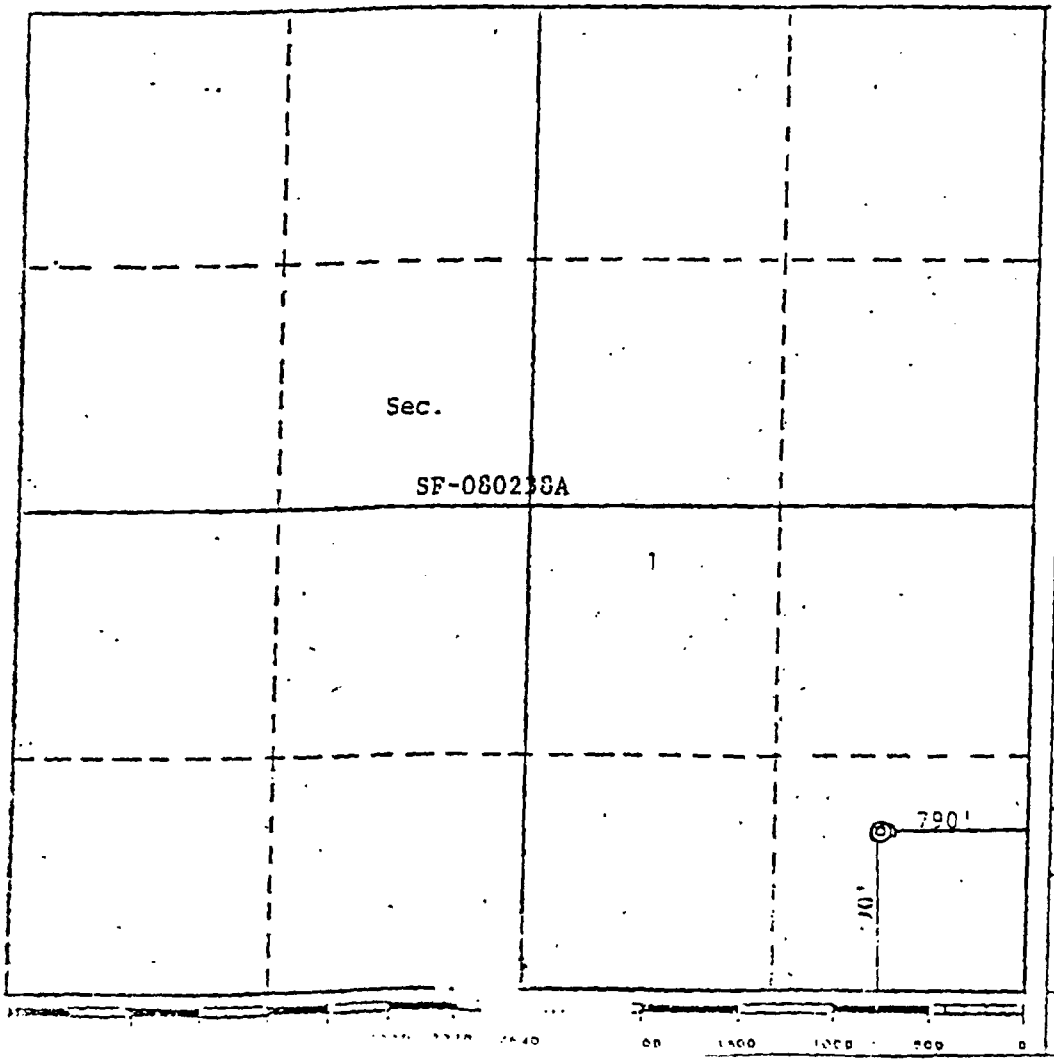
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

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

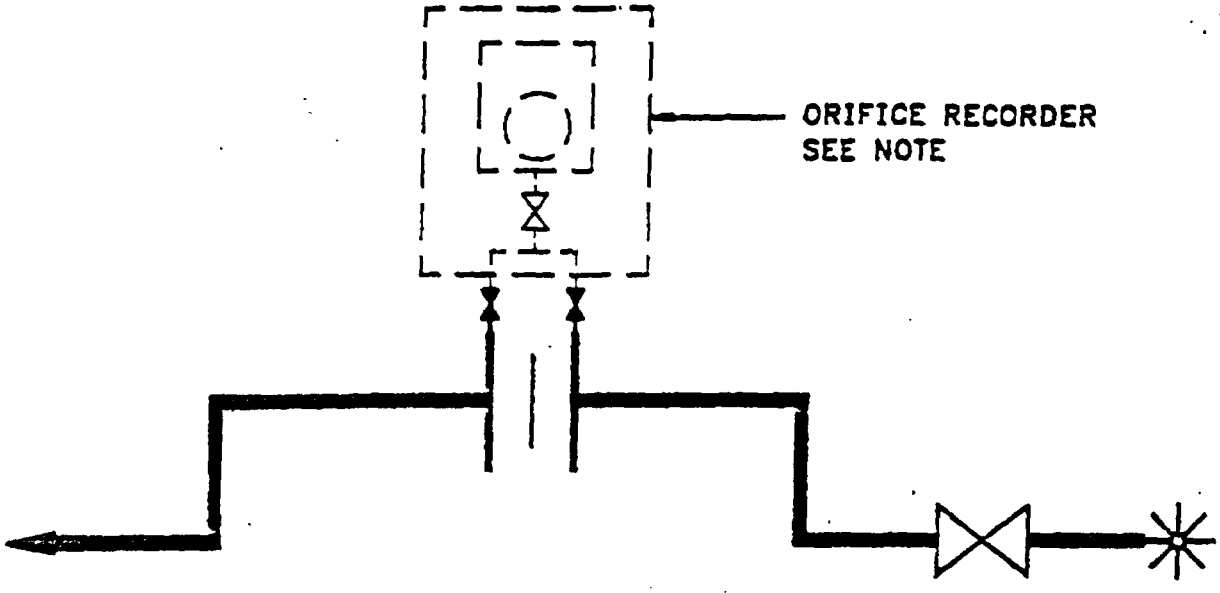
WELL LOCATION AND ACREAGE DEDICATION PLATS

ATTACHMENT A

AGREED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT USED FOR ANNUAL TEST



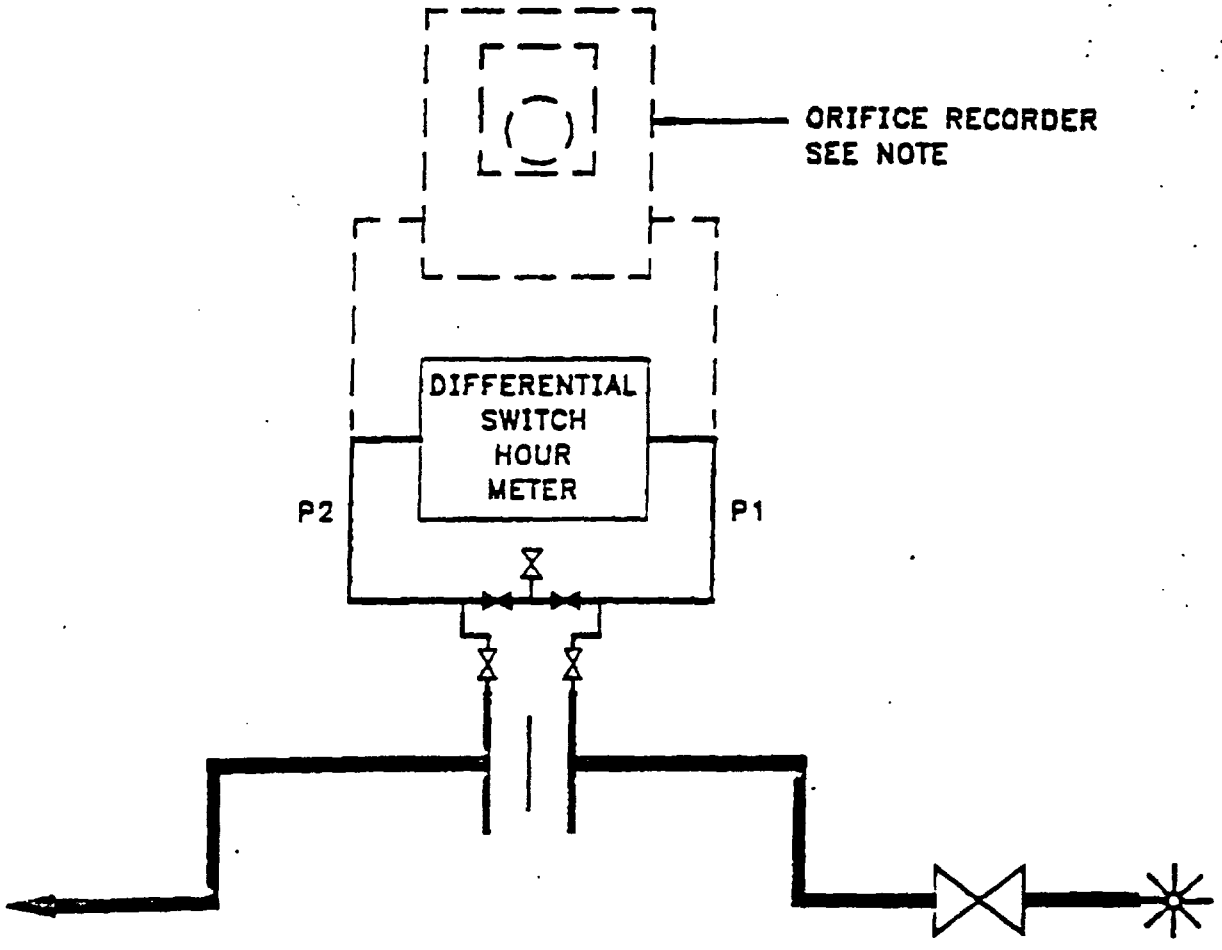
NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

ATTACHMENT A

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) / Annual or Test Period Flow Hours = Average Hourly Flow Rate (MCF)

   b. Example: 3365 MCF / 5877.8 Hours = 0.57 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 (Average Hourly MCF) x 24 = 13.68 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 (Hours) X .31 (MCF) = 611 MCF
   611 MCF X 1097 BTU = 670 MMBTU (dth) for the Period Indicated

4. "Agreed Volume" Formula

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

   "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 (days) X 4 (MCF) = 124 MCF
   124 MCF X 1097 BTU = 136 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.

Chaco 5

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, Allottee 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	☐ 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 _____	☐ 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.)*

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 RESOURCE AREA
FARMINGTON, NEW MEXICO

14. I hereby certify that the foregoing is true and correct
Signed _____ Title Operations Manager Date 2/10/92

APPROVED
FEB 18 1992
AREA MANAGER

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

OPERATOR

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

Formation PC Stage No. 1 Date 5/10/95

Operator J. K. EDWARDS ASSOCIATES, INC. Lease and Well Chaco #5

Correlation 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, bacteriacide and enzyme breakers.

Water _____ gallons. Additives _____

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

Flush _____ gallons. Additives _____

Breakdown _____ psig

Ave. Treating Pressure 1800 psig

Max. Treating Pressure 2290 psig

Ave. Injecton Rate 25 BPM

Hydraulic Horsepower _____ HHP

Instantaneous SIP 620 psig

5 Minute SIP 550 psig

10 Minute SIP 500 psig

15 Minute SIP 450 psig

Ball Drops: _____ Balls at _____ gallons _____ psig increas

_____ Balls at _____ gallons _____ psig increas

_____ Balls at _____ gallons _____ psig increas

Remarks: _____

Walsh ENGINEERING & PRODUCTION CORP.

6/14/95 copy to JKE

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

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

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

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

8. Well Name and No.: Chaco #5

2. Name of Operator: J. K. EDWARDS ASSOCAITES, INC. OGRID 011307

9. API Well No.:

3. Address and Telephone No.: c/o Walsh Engr. & Prod. Corp.
7415 E. Main Farmington, New Mexico 87402

10. Field and Pool, or Exploratory Area: NIIP Pictured Cliffs

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790'FSL & 790'FEL
Section 1, T26N, R13W

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	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 See Below	☐ 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.)*

5/10/95 Re-perforate Pictured Cliffs 1165-1169' and 1174-1192' 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 Date 5/30/95

(This space for Federal or State office use)

Approved by _____ Title _____ Date JUN 05 1995

Conditions of approval, if any:

FARMINGTON DISTRICT OFFICE

OPERATOR

BY

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM
96 JAN 10 PM 12:36
070 FARMINGTON, NM

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

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 5
9. API Well No.: 30-045-22411
10. Field and Pool, or Exploratory Area: WAW FRUITLAND SAND PC
11. County or Parish, State: SAN JUAN, NEW MEXICO

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): 790'FSL & 790'FEL SEC. 1-T26N-R13W, NMPM

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 CHANGE OF OPERATOR	☐ 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 PARWEST INSURANCE CO.

14. I hereby certify that the foregoing is true and correct
Signed _____ Title PRESIDENT

ACCEPTED FOR RECORD

(This space for Federal or State office use)

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

MAR 11 1996

FARMINGTON DISTRICT OFFICE
BY _____

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

RECEIVED
BLM MAIL ROOM

92 FEB 11 AM 11:08

FARMINGTON RESOURCE AREA

DATE: 1-3-92

REV DATE: _____

ATTACHMENT C
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	[redacted] #1	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
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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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-102
Revised 10-1-78

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

Operator	Lease	Well No.
MERRION & BAYLESS	CHACO LIMITED	2J

Unit Letter	Section	Township	Range	County
B	1	26N	13W	San Juan

Actual Footage Location of Well: 790 feet from the North line and 1850 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5951	Pic. Cliffs	WAW Fruitland Pic. Cliffs	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

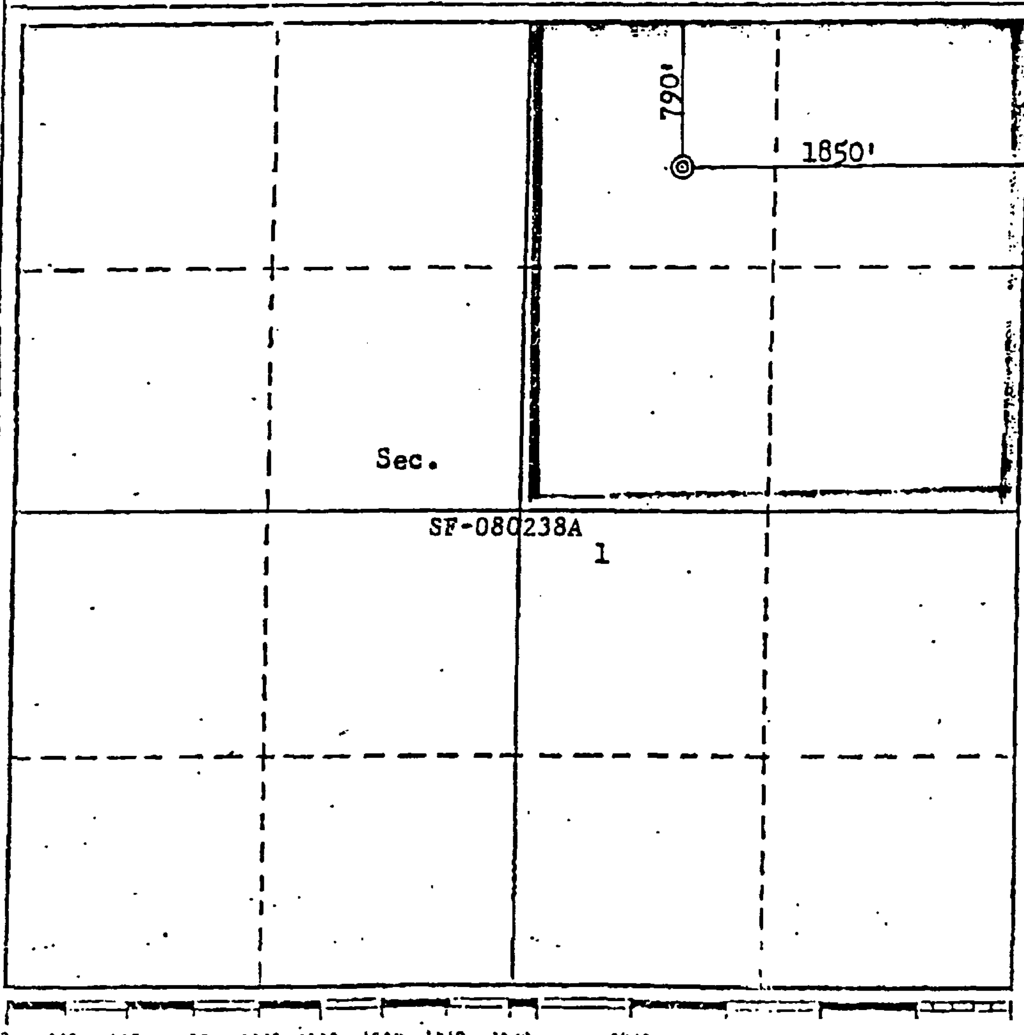
2. *If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).*

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.

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 2?, 1979
Registered Professional Engineer and/or Land Surveyor: Fred B. Kerr Jr.
Certificate No. 3950

ATTACHMENT B

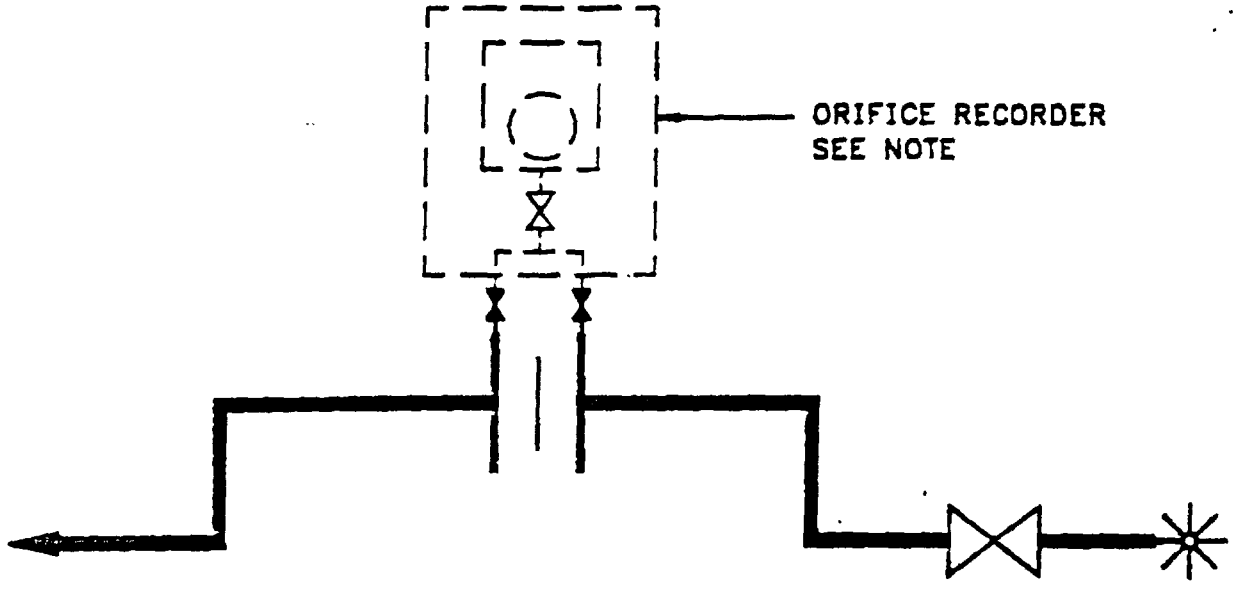
WELL LOCATION AND ACREAGE DEDICATION PLATS

ATTACHMENT A

AGREED VOLUME

ALTERNATIVE METHOD SCHEMATIC

PRIMARY ELEMENT USED FOR ANNUAL TEST



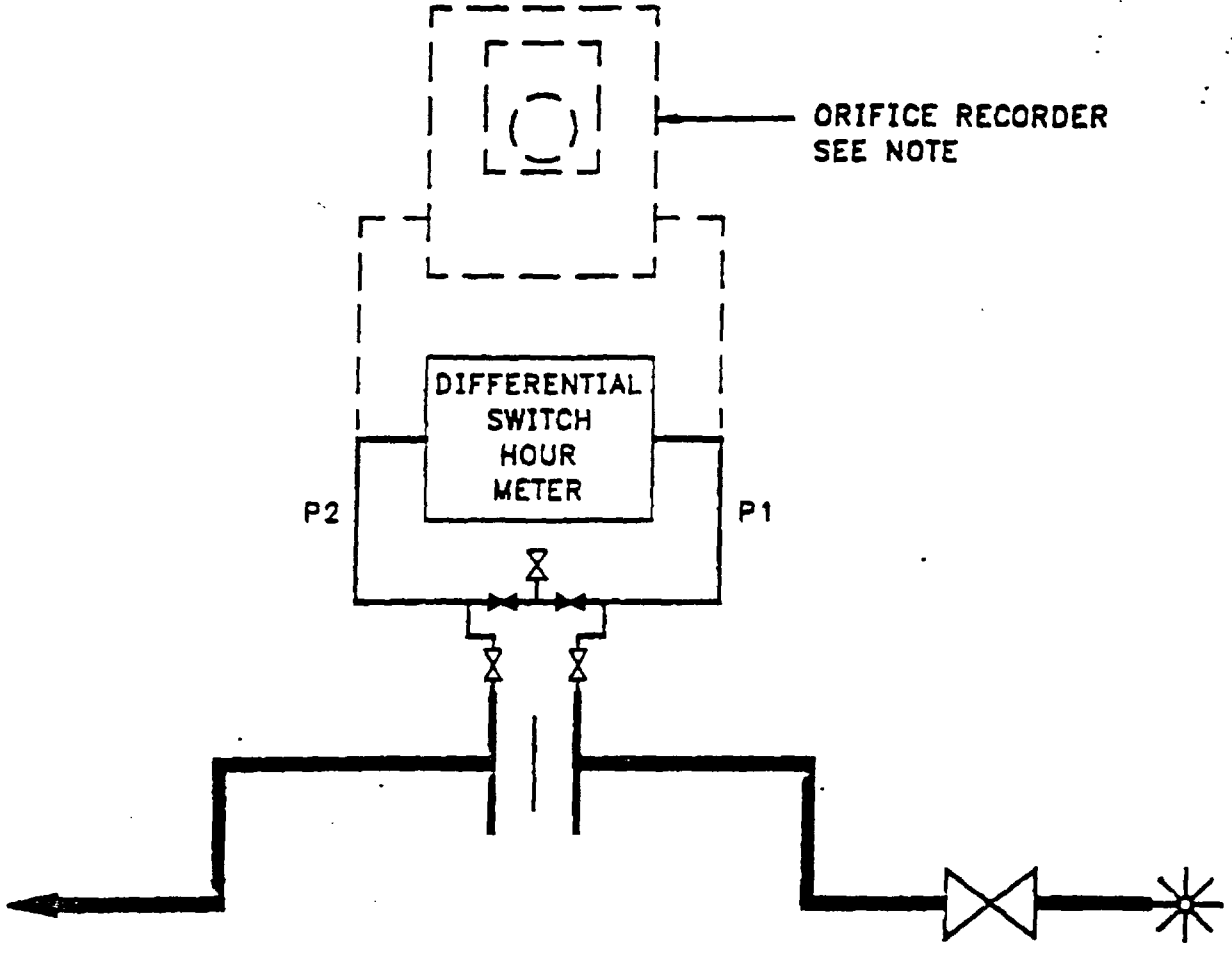
NOTE:
ORIFICE RECORDER TEMPORARILY INSTALLED
ONLY TO CONDUCT 16 DAY ANNUAL TEST

ATTACHMENT A

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)
      Annual or Test Period Flow Hours

   b. Example: 3365 MCF = 0.57 MCF/Hour Average Flow Rate
      5877.8 Hours

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 (Average Hourly MCF) x 24 = 13.68 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 (Hours) X .31 (MCF) = 611 MCF
      611 MCF X 1097 BTU = 670 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 (days) X 4 (MCF) = 124 MCF
      124 MCF X 1097 BTU = 136 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.

Chaco Ltd JJ

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

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
See Attachment

2. Name of Operator
Merrion Oil & Gas Corporation

9. API Well No.

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

10. Field and Pool, or Exploratory Area

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

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	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☐ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ 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.)*

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 RESOURCE AREA
FARMINGTON, NEW MEXICO

FEB 1 1992

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

Signed _____ Title Operations Manager Date 2/10/92

(This space for Federal or State office use)

APPROVED
FEB 18 1992
AREA MANAGER

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

OPERATOR

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
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)*
At surface 790 FNL and 1850 FEL
At top prod. interval reported below Same
At total depth Same

Pic. Cliffs, Kirtland, Fruitland, Ojo Alamo

15. DATE SPUDDED 08-07-79 | 16. DATE T.D. REACHED 09-09-79 | 17. DATE COMPL. (Ready to prod.) 12-10-79 | ELEVATIONS 5595' GL

20. TOTAL DEPTH, MD & TVD 1251 ft. | 21. PLUG, BACK T.D., MD & TVD 1252 ft. | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY ←

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1186-1202.5 ft. — Pictured Cliffs

26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction, Compensated Density, Neutron

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD
7"	23 lb./ft.	141 ft.	9 1/4"	sacks
2 7/8"	10.5 lb./ft.	1272 ft.	5 1/8"	sacks

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD: SIZE 1"

31. PERFORATION RECORD (Interval, size and number)
1186-88.5 ft. — 4 ft. — .410"
1190-1202.5 ft. — 4 ft. — .480"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1186-1	25000 water

33.* PRODUCTION
DATE FIRST PRODUCTION 1/10/79 | 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—BBL.	GAS—MCF.	WATER—BBL.
1/16/79	5-1/2 hrs	1/2"	←		208 MCF/day	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
2 psig	160 psig	→			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 ______ TITLE Engineer DATE

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 RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Pic. Cliffs	1183	1186	Natural Gas, Salt water

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Ojo Alamo	Surface	
Kirtland	134'	
Fruitland	910'	
Pic. Cliffs	1183'	

RECEIVED JAN 1980 U.S. GEOLOGICAL SURVEY FARMINGTON, N.M.

*(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.)

Form 9-330
(Rev. 5-63)

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 WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ 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)*
At surface: 790 FNL and 1850 FEL
At top prod. interval reported below: same
At total depth: same

RECEIVED
JAN 4 1980
U.S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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-J
10. FIELD AND POOL, OR WILDCAT: WAW Fruitland Pic. Cliff
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 1, T26N, R13W
12. COUNTY OR PARISH: San Juan
13. STATE: N.M.
14. PERMIT NO.: DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
09-07-79	09-09-79	12-10-79	5951' GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
1285 ft.	1252 ft.		→	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)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1"	1252 ft.	

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	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12/10/79	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	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—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
27 PSIG	150 PSIG		-	208 MCF/day	4 bbl/day	

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

TEST WITNESSED BY: Steven S. Dunn

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD
JAN 09 '80
FARMINGTON DISTRICT
BY

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

SIGNED Steven S. Dunn TITLE Engineer DATE 12-31-79

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

OPERATOR

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

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

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

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

8. Well Name and No.: Chaco Ltd. #2-J

2. Name of Operator: J. K. EDWARDS ASSOCIATES, INC. 011307

9. API Well No.: 30-045-23593

3. Address and Telephone No.: c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, New Mexico 87402 505 327-4892

10. Field and Pool, or Exploratory Area: WAW Fruitland/PC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 790'FNL & 1850'FEL Section 1, T26N, R13W

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	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 See Below	☐ 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 Date 2/09/95

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____ Title _____ Date FEB 22 1995

Conditions of approval, if any:

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

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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

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
Sec. 1, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5951' GL

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
JAN 4 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.)*

09-30-79 Move in swabbing unit. Swab down Pictured Cliff perfs. Making small amount of gas TSTM. Dumped frac sand over bottom set of perfs.

10-13-79 Rig up Dowell and fraced Pictured Cliffs with 2500 lbs. 20/40 sand and 75 bbls. fresh water.

12-10-79 Swab well in and ran 1" IJ siphon string to bottom.

12-18-79 SIP 220 PSIG. Flow rate 208 MCF/day, 4 bbl. salt water/day. Awaiting pipeline connection.

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

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

SIGNED _____ TITLE Engineer DATE 12-31-79

(This space for Federal or State office use)

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

OPERATOR

*See Instructions on Reverse Side

JAN 08 '80

FARMINGTON DISTRICT
BY WS

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 DF, KDB, AND WD)
5951 ft. GL

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			X

(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 _____ Set @ _____ Ft.

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

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM
96 JAN 10 PM 12: 36
070 FARMINGTON, NM

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

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

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
CHACO 25

2. Name of Operator
PENDRAGON ENERGY PARTNERS, INC.

9. API Well No.
30-045-23593

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

10. Field and Pool, or Exploratory Area
WAW FRUITLAND SAND PC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' FNL + 1850 FEL SEC. 1-T26N-R13W, NMPM

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	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☐ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☒ Other CHANGE OF OPERATOR	☐ 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 ON 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 PARWEST INSURANCE CO.

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

Signed _____ Title PRESIDENT Date 1/7/96

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

MAR 11 1996

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.

FARMINGTON DISTRICT OFFICE
BY _____

*See Instruction on Reverse Side

OPERATOR

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 FNL and 1850 FEL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

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 DF, KDB, AND WD)
5951' GL

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			X

(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/ 2% 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. 1200-02.5' 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 _____ 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

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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

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

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

(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.

RECEIVED
APR 7 1982
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

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

SIGNED _____ 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 08 1982

FARMINGTON DISTRICT
BY _____

*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 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, CUSHION USED, TIME 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	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Kirtland Fruitland Pic. Cliff	138' 870' 1200'	

U.S. GOVERNMENT PRINTING OFFICE: 1961—O-583636

Form 9-330
(Rev. 5-63)

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 WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ 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 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

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

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 Ltd.
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
14. PERMIT NO.: DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4/5/82	4/8/82	5/14/82	6004' KB	5991' GL

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
1300' KB	1270' KB		→	0-TD	

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	AMOUNT PULLED
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	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
5/17/82	Flow	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/18/82	2	.125"			est. 24 hr. 10 MCF/D	lt. spray	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	11 PSIG			est. 24 hr. 10 MCF/D	Trace	

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

ACCEPTED FOR RECORD

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

SIGNED: [signature] TITLE: Operations Manager DATE: 8/18/82

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

OPERATOR

AUG 20 1982
FARMINGTON DISTRICT
BY [signature]

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM
96 JAN 10 PM 12:

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

O/C FARMINGTON, NM

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

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
CHACO 1J

2. Name of Operator
PENDRAGON ENERGY PARTNERS, INC.

9. API Well No.
30-045-25134

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

10. Field and Pool, or Exploratory Area
WAW FRUITLAND SAND PC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1850' FSL + 1750' FWL SEC. 1 - T26N - R13W, NMPM

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	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☐ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☒ Other CHANGE OF OPERATOR	☐ 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 PARWEST INSURANCE CO.

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

Signed _____ Title PRESIDENT

ACCEPTED FOR RECORD

(This space for Federal or State office use)

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

MAR 11 1996

FARMINGTON DISTRICT OFFICE
BY _____

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

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

5. Lease Designation and Serial No.: SF-080238 A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

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

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	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 See Below	☐ 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. Thompson Title Paul C. Thompson, Agent Date 2/15/95

(This space for Federal or State office use)

Approved by _____ Title _____ Date FEB 22 1995
Conditions of approval, if any:

OPERATOR

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.

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

4/5/82	Spuded. 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.

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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

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

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) TD, Casing, Perforations			☒

RECEIVED
AUG 19 1982
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.)*

See attached.

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

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

SIGNED _____ TITLE Operations Manager DATE 8/18/82

(This space for Federal or State office use)

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

AUG 23 1982

FARMINGTON DISTRICT
BY _____

*See Instructions on Reverse Side

OPERATOR