

Sec : 36 Twp : 30N Rng : 13W Section Type : NORMAL

D 40.00 CS E03149 0012 MERRION OIL & GAS C 12/10/59 A A	C 40.00 CS E07066 0003 MERRION OIL & GAS C 04/10/63	B 40.00 CS E07066 0003 MERRION OIL & GAS C 04/10/63	A 40.00 CS E03149 0012 MERRION OIL & GAS C 12/10/59 A A
E 40.00 CS OG2004 0001 XTO ENERGY, INC. C 02/18/68	F 40.00 CS VC0014 0002 XTO ENERGY, INC. C 08/01/99	G 40.00 CS E03149 0012 MERRION OIL & GAS C 12/10/59	H 40.00 CS OG2004 0001 XTO ENERGY, INC. C 02/18/68
L 40.00 CS E07066 0003 MERRION OIL & GAS C 04/10/63	K 40.00 CS VC0014 0002 XTO ENERGY, INC. C 08/01/99	J 40.00 CS E07066 0003 MERRION OIL & GAS C 04/10/63	I 40.00 CS B10735 0052 EOG RESOURCES & M C 10/20/53 A A
M 40.00 CS E00453 0022 DUGAN PRODUCTION C 07/16/55 A A	N 40.00 CS B11242 0050 XTO ENERGY, INC. C 05/26/54	O 40.00 CS B10735 0053 MERRION OIL & GAS C 10/20/53	P 40.00 CS E03149 0012 MERRION OIL & GAS C 12/10/59

```

CMD :                                ONGARD                                01/23/04 14:16:36
OG6IWCM                             INQUIRE WELL COMPLETIONS             OGOMES -TP2A

```

API Well No : 30 45 29574 Eff Date : 08-16-2002 WC Status : A  
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)  
OGRID Idn : 14634 MERRION OIL & GAS CORP  
Prop Idn : 23182 PANTHER

Well No : 002  
GL Elevation: 5681

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : O	25	30N	13W	FTG 832 F S	FTG 1835 F E	P	
Lot Identifier:							
Dedicated Acre: 320.00							
Lease Type : F							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

M0025: Enter PF keys to scroll

```
PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06
PF07          PF08          PF09          PF10 NEXT-WC PF11 HISTORY PF12 NXTREC
```

CMD : ONGARD 01/23/04 14:16:39  
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TP2A  
Page No : 1

API Well No : 30 45 29574 Eff Date : 08-16-2002  
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)  
Prop Idn : 23182 PANTHER Well No : 002  
Spacing Unit : 56583 OCD Order : Simultaneous Dedication:  
Sect/Twp/Rng : 25 30N 13W Acreage : 320.00 Revised C102? (Y/N) :  
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	I	25		30N	13W	40.00	N	FD		
	J	25		30N	13W	40.00	N	FD		
	K	25		30N	13W	40.00	N	FD		
	L	25		30N	13W	40.00	N	FD		
	M	25		30N	13W	40.00	N	FD		
	N	25		30N	13W	40.00	N	FD		
	O	25		30N	13W	40.00	N	FD		
	P	25		30N	13W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 LAND	PF11 NXTSEC	PF12 RECONF

CMD :                               ONGARD                               01/23/04 14:16:50  
OG6IPRD                             INQUIRE PRODUCTION BY POOL/WELL                   OGOMES -TP2A  
Page No: 1

OGRID Identifier : 14634 MERRION OIL & GAS CORP  
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)  
API Well No : 30 45 29574 Report Period - From : 01 2003 To : 12 2003

API Well No			Property Name	Prod.	Days	Production Volumes			Well
				MM/YY	Prod	Gas	Oil	Water	Stat
30	45	29574	PANTHER	01 03	31	5525		506	P
30	45	29574	PANTHER	02 03	28	4947		393	P
30	45	29574	PANTHER	03 03	31	5416		335	P
30	45	29574	PANTHER	04 03	30	5352		314	P
30	45	29574	PANTHER	05 03	31	3997		53	P
30	45	29574	PANTHER	06 03	28	3688		185	P
30	45	29574	PANTHER	07 03	31	3435		299	P

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

```
PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06 CONFIRM
PF07 BKWD      PF08 FWD      PF09          PF10 NXTPOOL PF11 NXTOGD   PF12
```

OGRID Identifier : 14634 MERRION OIL & GAS CORP  
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)  
API Well No : 30 45 29574 Report Period - From : 01 2003 To : 12 2003

API Well No			Property Name	Prod.	Days	Production Volumes			Well
				MM/YY	Prod	Gas	Oil	Water	Stat
30	45	29574	PANTHER	08 03	31	4561		392	P
30	45	29574	PANTHER	09 03	30	4589		399	P
30	45	29574	PANTHER	10 03	31	3846		287	P
30	45	29574	PANTHER	11 03	30	2855		348	P

Reporting Period Total (Gas, Oil) :	48211	3511
-------------------------------------	-------	------

E0049: User may continue scrolling.

```
PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06 CONFIRM
PF07 BKWD      PF08 FWD      PF09          PF10 NXTPOOL PF11 NXTOGD  PF12
```

CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

01/23/04 14:16:06  
OGOMES -TP2A

API Well No : 30 45 29573 Eff Date : 10-15-2003 WC Status : A  
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)  
OGRID Idn : 14634 MERRION OIL & GAS CORP  
Prop Idn : 23182 PANTHER

Well No : 001  
GL Elevation: 5660

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : M	25	30N	13W	FTG 990 F S	FTG 1255 F W	P	
Lot Identifier:							
Dedicated Acre: 320.00							
Lease Type : F							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 01/23/04 14:16:11  
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TP2A  
Page No : 1

API Well No : 30 45 29573 Eff Date : 08-16-2002  
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)  
Prop Idn : 23182 PANTHER Well No : 001  
Spacing Unit : 56583 OCD Order : Simultaneous Dedication:  
Sect/Twp/Rng : 25 30N 13W Acreage : 320.00 Revised C102? (Y/N) :  
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	I	25		30N	13W	40.00	N	FD		
	J	25		30N	13W	40.00	N	FD		
	K	25		30N	13W	40.00	N	FD		
	L	25		30N	13W	40.00	N	FD		
	M	25		30N	13W	40.00	N	FD		
	N	25		30N	13W	40.00	N	FD		
	O	25		30N	13W	40.00	N	FD		
	P	25		30N	13W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD :                               ONGARD                               01/23/04 14:16:18  
OG6IPRD                             INQUIRE PRODUCTION BY POOL/WELL                   OGOMES -TP2A  
Page No: 1

OGRID Identifier : 14634 MERRION OIL & GAS CORP  
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)  
API Well No : 30 45 29573 Report Period - From : 01 2003 To : 12 2003

API Well No			Property Name	Prod.	Days	Production Volumes			Well
				MM/YY	Prod	Gas	Oil	Water	Stat
30	45	29573		10 03	19	218		134	F
30	45	29573	PANTHER	11 03	30	9375		1197	F

Reporting Period Total (Gas, Oil) :	9593	1331
-------------------------------------	------	------

M0025: Enter PF keys to scroll

```
PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06 CONFIRM
PF07 BKWD      PF08 FWD      PF09          PF10 NXTPOOL PF11 NXTOGD  PF12
```



CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

01/23/04 14:17:39  
OGOMES -TP2A

API Well No : 30 45 29953 Eff Date : 08-23-2000 WC Status : A  
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)  
OGRID Idn : 167067 XTO ENERGY, INC.  
Prop Idn : 22706 FEDERAL GAS COM E

Well No : 002  
GL Elevation: 5620

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: 4	30	30N	12W	FTG 1690 F S	FTG 1050 F W	P
Lot Identifier:							
Dedicated Acre:							
Lease Type							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O)							

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 01/23/04 14:17:44  
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TP2A  
Page No : 1

API Well No : 30 45 29953 Eff Date : 08-23-2000  
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)  
Prop Idn : 22706 FEDERAL GAS COM E Well No : 002  
Spacing Unit : 53394 OCD Order : Simultaneous Dedication:  
Sect/Twp/Rng : 30 30N 12W Acreage : 318.04 Revised C102? (Y/N) :  
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	I	30	30N	12W	40.00	N	FE			
	J	30	30N	12W	40.00	N	FE			
	K	30	30N	12W	40.00	N	FD			
	N	30	30N	12W	40.00	N	FD			
	O	30	30N	12W	40.00	N	FE			
	P	30	30N	12W	40.00	N	FE			
L	3	30	30N	12W	39.05	N	FD			
M	4	30	30N	12W	38.99	N	FD			

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

OGRID Identifier : 167067 XTO ENERGY, INC.  
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)  
API Well No : 30 45 29953 Report Period - From : 01 2003 To : 12 2003

Reporting Period Total (Gas, Oil) :

```
PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06 CONFIRM
PF07 BKWD      PF08 FWD      PF09          PF10 NXTPOOL PF11 NXTOGD  PF12
```



District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised March 17, 1999

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address <b>Merrion Oil &amp; Gas Corporation</b>		<sup>2</sup> OGRID Number <b>014634</b>
		<sup>3</sup> API Number <b>30 - 245 30420</b>
<sup>3</sup> Property Code <b>26927</b>	<sup>5</sup> Property Name <b>Blackshawl Com</b>	<sup>6</sup> Well No. <b>1</b>

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	30N	13W	ne ne	493	North	743	East	San Juan

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>9</sup> Proposed Pool 1

Fulcher Kutz *Pictured Cliffs*

<sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code N -	<sup>12</sup> Well Type Code G -	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S -	<sup>15</sup> Ground Level Elevation 5600' -
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 1825' -	<sup>18</sup> Formation Pictured Cliffs -	<sup>19</sup> Contractor L&B Speed Drill	<sup>20</sup> Spud Date When Permitted

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
8 1/2"	7"	23 ppf	120'	50 sx	Surface -
6 1/2"	4 1/2"	10.5 ppf	1825' -	160 sx	Surface -

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Merrion proposes to drill 8 1/2" surface hole with native mud to approx. 120' and set 7" 23 ppf J55 surface casing, cement to surface with ~50 sx 14" w/ 2% CaCl<sub>2</sub> (59 cuft). Will drill 6 1/2" hole to TD @ approx. 1825' KB with low solids non-dispersed mud. Run open hole surveys. Will set 4 1/2" 10.5 ppf J55 production casing from TD to surface. Will cement with ~100 sx 8" 2% SMS (206 cuft) and tail in with 60 sx 8" 2% Gel (73 cuft) cement to fill from total depth to surface (Will adjust volumes based upon caliper log). If cement does not reach surface, a temperature log or cement-bond log will be run to find top of cement.

Will test Pictured Cliffs through perforated casing. Will fracture stimulate and put on production test. Drilling operations below surface casing will be conducted with a bag-type BOP in place, minimum working-pressure - 1000 psig.

This well is located within the city limits of Farmington and a city special use permit and Oil & Gas permit will be obtained prior to commencing drilling.

A second well, the Pinon Hills Com 1E, will be drilled on the same pad.

Tops: Undifferentiated Tertiary - Surface, Ojo Alamo - 60', Kirtland - 202', Fruitland - 1232', Pictured Cliffs - 1625'.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Steven S. Dunn*  
Printed name: Steven S. Dunn

Title: Drilling & Production Manager

Date: November 10, 2000

Phone: 505.327.9801

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: Deputy Oil & Gas Engineer

Approval Date: NOV 11 2000

Expiration Date: NOV 11 2001

Conditions of Approval:

Attached ☐

*NSL*

State of New Mexico  
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

☐ AMENDED REPORT

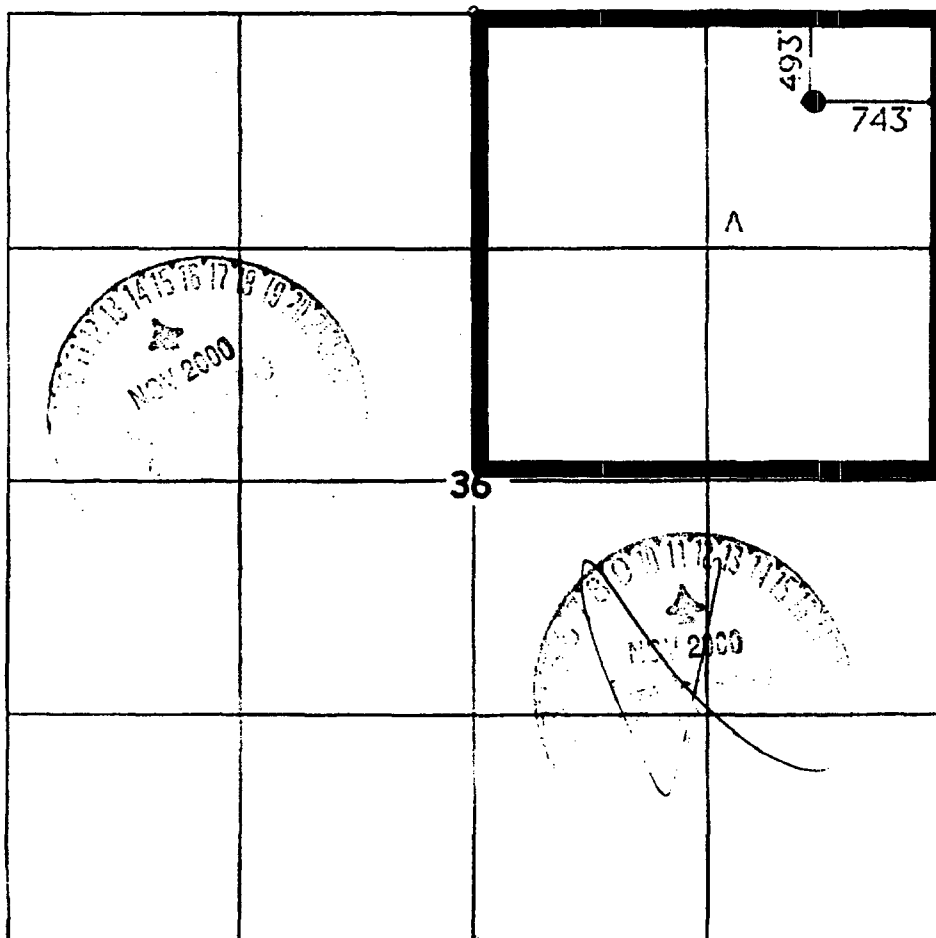
WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number <b>30-015-30120</b>	Pool Code <b>77200</b>	Pool Name <b>Fulcher Kutz</b>
Property Code <b>26927</b>	Property Name <b>BLACKSHAWL COM</b>	Well Number
GRID No. <b>014634</b>	Operator Name <b>MERRION OIL &amp; GAS</b>	Elevation <b>5600'</b>

Surface Location									
UL or Lot <b>A</b>	Sec. <b>36</b>	Twp. <b>30 N.</b>	Rge. <b>13 W.</b>	Lot Idn. <b>ne ne</b>	Feet from <b>493</b>	North/South <b>NORTH</b>	Feet from <b>743</b>	East/West <b>EAST</b>	County <b>SAN JUAN</b>

Bottom Hole Location If Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from	North/South	Feet from	East/West	County
Dedication <b>160</b>	Joint ? <b>Y</b>	Consolidation <b>C</b>	Order No. <b>Communitization in Progress</b>						

NO ALLOWABLE WELL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



<b>OPERATOR CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>[Signature]</i>
Printed Name	<b>Steven S. Dunn</b>
Title	<b>Drilling &amp; Production Manager</b>
Date	<b>November 10, 2000</b>
<b>SURVEYOR CERTIFICATION</b>	
I hereby certify that the well location 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 belief.	
Date of Survey	<b>OCTOBER 2000</b>
Signature	<i>[Signature]</i>
Professional Seal	

**Merrion Oil & Gas Corporation**

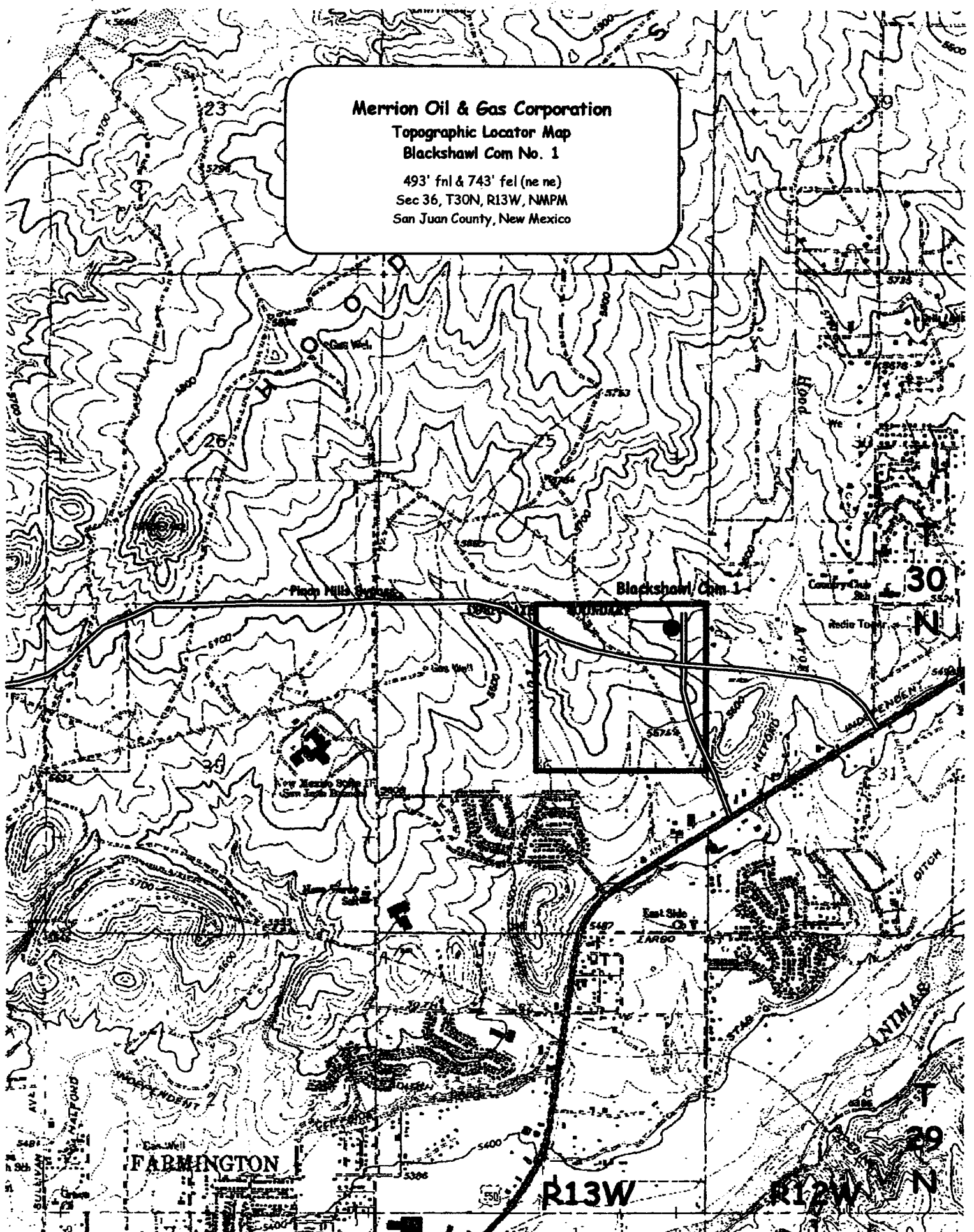
**Topographic Locator Map**

**Blackshaw Com No. 1**

493' fnl & 743' fel (ne ne)

Sec 36, T30N, R13W, NMPM

San Juan County, New Mexico





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

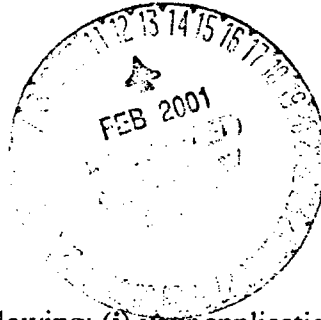
**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

February 8, 2001

**Lori Wrotenbery**  
Director  
Oil Conservation Division

**Merrion Oil & Gas Corporation**  
610 Reilly Avenue  
Farmington, New Mexico 87401  
Attention: George Sharpe

Telefax No. (505) 326-5900



*Administrative Order NSL-4550*

Dear Mr. Sharpe:

Reference is made to the following: (i) your application dated January 8, 2001; and (ii) the records of the New Mexico Oil Conservation Division ("Division") in Aztec and Santa Fe: all concerning Merrion Oil & Gas Corporation's ("Merrion") request to drill its proposed Blackshawl Com Well No. 1 (API No. 30-045-30420) at an unorthodox Pictured Cliffs gas well location 493 feet from the North line and 743 feet from the East line (Unit A) of Section 36, Township 30 North, Range 13 West, NMPM, San Juan County, New Mexico. The NE/4 of Section 36 is to be dedicated to the well in order to form a standard 160-acre gas spacing and proration unit for the Fulcher Kutz-Pictured Cliffs Pool.

This application has been duly filed under the provisions of Division Rule 104.F, revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999.

By the authority granted me under the provisions of Division Rule 104.F (2), the above-described unorthodox Fulcher Kutz-Pictured Cliffs gas well location is hereby approved.

Sincerely,

Lori Wrotenbery  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec /  
New Mexico State Land Office - Santa Fe



Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 87240

District II

811 South First, Artesia, NM 87210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DISTRICT

2040 South Pacheco

Santa Fe, NM 87505

WELL API NO.

30-045-30420

Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

BLACKSHAWL COM  
(026927)

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK INTO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

MERRION OIL & GAS CORPORATION (014634)

8. Well No.

001

3. Address of Operator

610 Reilly Avenue, Farmington, New Mexico 87401-2634

9. Pool name or Wildcat

Fulcher Kutz Pictured Cliffs (77200)

4. Well Location

Unit Letter A: 493 feet from the North line and 743 feet from the East line

Section 36 Township 30N Range 13W NMPM San Juan, County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

5600'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Spud, Casing & TD report ☒

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

5/10/01 MIRU L&B Speed Drill 5/10/01. Spudded 8-3/4" surface. TD surface hole at 130'. Circulate hole clean and TOH. Ran 3 jts of 7" casing (122') and land @ 127' KB. RU American Energy Services. Precede cement with 10 bbls of water. Mix and pump 50 sx. (59 cu.ft.) of Class "B" with 3% CaCl2 and 1/4#/sx celloflake. Displaced cement with 4 bbls of water. Circulated out 4 bbls of cement to surface. SDON.

5/11/01 RU BOPs. Pressure test to 600 psi for 30 mins. Drill out with 6-1/4" bit to 600' KB. SDON. (SSD)

5/12/01 Drilling ahead.

5/14/01 Drilled ahead to Total Depth at 1825' KB.

\*\*\*CONTINUED OTHER SIDE\*\*\*

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

SIGNATURE [Signature] TITLE Drig & Prod Manager DATE 5/16/01

Type or print name STEVEN S. DUNN Telephone No. (505) 327-9801

(This space for State use) ORIGINAL SIGNED BY CHARLIE T. PERREN

DEPUTY OIL & GAS INSPECTOR, DIST. IV

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of approval, if any:

MAY 17 2001

5/15/01 Circulate hole clean. TOH and lay down drill pipe and drill collars. Rig up casing crew. Ran 4) jts. (1792.87') of 4.5", 10.5#, J-55 ST&C new Newport casing and set at 1797' KB. Ran cement nose guide shoe on bottom and insert float valve on top of shoe joint at 1760' KB. Ran 5 centralizers on every other joint from the float. Circulated last two joints in due to sand fill. Rigged down casing crew. Rigged up American Energy. Preceded cement with 10 bbls of water followed by 160 sx. (330 cu.ft.) of Class "B" with 2% sodium metasilicate, 3#/sk gilsonite, and 1/4#/sk. cello-flake. Tailed with 60 sx (71 cu.ft.) of Class "B" with 1/4#/sk. cello-flake. Good circulation throughout job. Reciprocated pipe while pumping cement. Displaced cement with 28.5 bbls of water and down at 1205 hrs 5/15/01. Bumped plug to 1500# - held OK. Circulated 20 bbls of cement to surface. Rigged down cementers and set all of the casing weight on the slips. Rig down and release rig. WOCT.

---

# L & B Speed Drill, Inc.

P.O. BOX 70 • FARMINGTON, NEW MEXICO 87499-0070 • (505) 325-1079

DATE: 5/23/2001

TO: Merrion Oil & Gas Corporation  
610 Reilly Ave..  
Farmington, NM 87401

Re: **Directional Survey**

Well Blackshaw1 Com #1  
493' FNL & 743' FEL  
Sec. 36, T30N, R13W  
San Juan County, NM

Below is the directional survey for your well Blackshaw1 Com #1.

120' 1/4°  
600' 3/4°  
1100' 3/4°  
1600' 1/2°  
1800' 3/4°



**ACKNOWLEDGEMENT**

STATE OF NEW MEXICO ]  
COUNTY OF SAN JUAN ]

SIGNED & ACKNOWLEDGED BY: [Signature]

The foregoing instrument was acknowledged before me this 23<sup>rd</sup> day of MAY 2001

[Signature]  
NOTARY PUBLIC

My commission expires: 10/23/2003

Submit To Appropriate District Office

State Lease - 6 copies

Fee Lease - 5 copies

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-105

Revised March 25, 1999

WELL API NO.

30-045-30420

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil &amp; Gas Lease No.

Lease Name or Unit Agreement Name

BLACKSHAWL COM (026927)

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WORK PLUG DIFF. RESVR. OTHER  
WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☐ OTHER ☐

2. Name of Operator

MERRION OIL &amp; GAS CORPORATION (014634)

8. Well No.

001

3. Address of Operator

610 REILLY AVENUE, FARMINGTON, NM 87401

9. Pool name or Wildcat

FULCHER KUTZ PICTURED CLIFFS (77200)

4. Well Location

Unit Letter A : 493 Feet From The North Line and 743 Feet From The East LineSection 36 Township 30N Range 13W NMPM San Juan County

10. Date Spudded

5/10/01

11. Date T.D. Reached

5/14/01

12. Date Compl. (Ready to Prod.)

6/21/01

13. Elevations (DF&amp; RKB, RT, GR, etc.)

5600'

14. Elev. Casinghead

15. Total Depth

1825'

16. Plug Back T.D.

1760'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

0-TD

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

Pictured Cliffs: 1642'-1656'

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

GR-CCL

22. Was Well Cored

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#	127' KB	8-3/4"	50 sxs (59 cu.ft.)	
4-1/2"	10.5#	1797' KB	6-1/4"	220 sxs (401 cu.ft.)	

## 24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
-----	-----	-----	-----	-----

## 25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	1651.17' KB	-----

26. Perforation record (interval, size, and number)

Pictured Cliffs: 1642'-1656' (3 spf - total 42 holes)

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

1642'-1656' Frac'd with 62,000# of 16/30 Brady sand in 70# Q x-linked foam.

Total fluid pumped: 200 bbls

## 28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
6/23/01		Flowing				Shut-In	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
6/25/01	11.5	----		0	Est. 200 MCFD	125	-----
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
0 psi	SIP 195 psi		0	200 est.	264	----	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

VENTED (PENDING GAS TIE-IN)

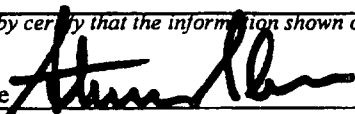
Test Witnessed By

TERRY ROACH

30. List Attachments

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature



Printed Name

Steven S. Dunn

Title

Drig &amp; Prod Manager

Date 6/29/01

K

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## South-eastern New Mexico

T. Anhy \_\_\_\_\_  
T. Salt \_\_\_\_\_  
B. Salt \_\_\_\_\_  
T. Yates \_\_\_\_\_  
T. 7 Rivers \_\_\_\_\_  
T. Queen \_\_\_\_\_  
T. Grayburg \_\_\_\_\_  
T. San Andres \_\_\_\_\_  
T. Glorieta \_\_\_\_\_  
T. Paddock \_\_\_\_\_  
T. Blinebry \_\_\_\_\_  
T. Tubb \_\_\_\_\_  
T. Drinkard \_\_\_\_\_  
T. Abo \_\_\_\_\_  
T. Wolfcamp \_\_\_\_\_  
T. Penn \_\_\_\_\_  
T. Cisco (Bough C) \_\_\_\_\_

## Northwestern New Mexico

T. Canyon  
T. Strawn  
T. Atoka  
T. Miss  
T. Devonian  
T. Silurian  
T. Montoya  
T. Simpson  
T. McKee  
T. Ellenburger  
T. Gr. Wash  
T. Delaware Sand  
T. Bone Springs  
T.  
T.  
T.  
T.

T. Ojo Alamo	60'
T. Kirtland-Fruitland	202' / 1
T. Pictured Cliffs	1640'
T. Cliff House	
T. Menefee	
T. Point Lookout	
T. Mancos	
T. Gallup	
Base Greenhorn	
T. Dakota	
T. Morrison	
T. Todilto	
T. Entrada	
T. Wingate	
T. Chinle	
T. Permian	
T. Penn "A"	

T. Penn. "B" \_\_\_\_\_  
50 T. Penn. "C" \_\_\_\_\_  
T. Penn. "D" \_\_\_\_\_  
T. Leadville \_\_\_\_\_  
T. Madison \_\_\_\_\_  
T. Elbert \_\_\_\_\_  
T. McCracken \_\_\_\_\_  
T. Ignacio Otzte \_\_\_\_\_  
T. Granite \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
No. 2, from.....to.....

No. 3, from.....to.....  
No. 4, from.....to.....

## IMPORTANT WATER SANDS

**Include data on rate of water inflow and elevation to which water rose in hole.**

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

WELL API NO.

30-045-30420

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

BLACKSHAWL COM (026927)

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" (FORM 2401) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

MERRION OIL & GAS CORPORATION (014634)

3. Address of Operator

610 Reilly Avenue, Farmington, New Mexico 87401-2634

4. Well Location

Unit Letter A : 493 feet from the North line and 743 feet from the East line

Section 36 Township 30N Range 13W NMPM San Juan, County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

5600'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Completion ☒

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/22/01 Set frac tanks and install 4-1/2" frac valve. RU Blue Jest and run GR/CCL from PBD to 1500' (tied into Pinon Hills Com #1E open hole log.) RIH with dump bailer and spot approx. 30 gal of 15% HCl with inhibitors across Pictured Cliff zone. RIH with 3-1/8" casing gun and perforate the Pictured Cliff formation at 3 spf: 1642'-1656' (total of 42 holes - EHD: 0.34"). Shut well in.

5/29/01 RU American Energy Services. Held safety meeting. Pressure test pumps and lines. Pumped 6500 gal 70 Q x-linked foam pad. Frac well with 62,000# of 16/30 Brady sand in 70 Q x-linked foam. Pumped sand in 1, 2, 3 & 4 (DH conc.) ppg stages. Last 10,000# of sand was resin coated. Note: base fluid was 20# liner gel, x-linked on the fly. AIR: 30 bpm, MIR: 30 bpm, ATP: 1100#, MTP: 1900#. Job complete @ 1440 hrs 5/29/01. ISIP: 950#, 5 min: 900#, 10 min: 890#, 15 min: 915#. Total fluid pumped 200 bbls. Shut well in and RD AES. Set flow back tank. Will manifold together and start flow back in morning.

\*\*\* Continued other side \*\*\*

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

SIGNATURE

TITLE

Drig & Prod Manager

DATE

6/25/01

Type or print name

STEVEN S. DUNN

Telephone No.

(505) 327-9801

(This space for State use)

Original Signed by STEVEN N. HAYDEN

DEPUTY OIL & GAS INSPECTOR, DIST. #8

APPROVED BY

TITLE

DATE

Conditions of approval, if any:

JUN 28 2001

K

*Handwritten signature*

- 5/30/01 MOL flow back tank. Csg 240 psi. Open on 2" line. Flowed nitrogen only no water. Died in 15 mins. Drop soap stick, shut in. No build up pressure. RU B&R slick line tagged sand at 1631' KB. Perfs covered. Flange leaking that screwed on casing lost nitrogen overnight. Shut in.
- 6/20/01 MIRU JC Well Service 6/20/01. Well dead. Removed frac valve, installed casing head and BOP. PU tubing and TIH. Tagged fill 6' above perfs at 1636'. Pumped 60 bbls water could not get circulation, perfs taking all the water. TO-1, PU sand bailer, TIH bailed sand, CO to 1692'. TOH with bailer.
- 6/21/01 Well had no pressure on the casing. PU bailer and TIH with tubing, bailed sand to PBTD @ 1760'. TOH with bailer. TIH with production string, landed 52 joints of tubing with tail joint at 1651.71' and seating nipple at 1719.10'. Removed BOP. RU to swab, made 5 swab runs from seating nipple, casing built to 100 psi. Made 15 more swab runs for total of 20, well began flowing with 210 psi on the casing making clear water, some gas and no sand. Let well flow for 3 hrs, swabbed and flowed a total of 33.6 bbls fluid with 26 bbls left to recover, casing pressure at 195 psi. Rig Down, Shut well in.  
Tbg Detail: 51 joints of 2-3/8" tbg at 1618.00'  
Seating nipple  
Tail joint bottom at 1651.17' GL  
52 joints total tubing
- 6/22/01 Well had 215 psi on the casing, 150 psi on tubing. Released rig. Hooked up to flowline to frac tank. SI Csg 220 psi. Open on 2" to tank. Blow down. RU swab rig made 3 runs. Well started flowing, made 25 bbls first 1 hour. Csg pressure leveled at 155 psi. Making 11-12 BPH. Total today 63 bbls.
- 6/23/01 SI Pressures: Tbg 130 psi, Csg 210 psi. Open to tank on 2". Flowed 60 bbls first hour. Leveled out 10 BPH. Csg pressure 145 psi. Made 180 bbls today. Total recovered 243 bbls.
- 6/24/01 SI Pressures: Tbg 135 psi, Csg 195 psi. Open to tank on 2". Made 15 bbls first hour. Flowed 125 bbls today. Total recovered 368 bbls. Average 11 BPH.

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87504

State of New Mexico  
Energy, Minerals & Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87504

Form C-104  
Revised July 28, 2000

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address <b>MERRION OIL &amp; GAS CORPORATION</b> 610 Reilly Avenue Farmington, New Mexico 87401		<sup>2</sup> OGRID Number <b>014634</b>
		<sup>3</sup> Reason for Filing Code/ Effective Date <b>NW=NEW WELL</b>
<sup>4</sup> API Number <b>30-045-30420</b>	<sup>5</sup> Pool Name <b>FULCHER KUTZ PICTURED CLIFFS</b>	<sup>6</sup> Pool Code <b>77200</b>
<sup>7</sup> Property Code <b>026927</b>	<sup>8</sup> Property Name <b>BLACKSHAWL COM</b>	<sup>9</sup> Well Number <b>001</b>

II. <sup>10</sup> Surface Location

UL or lot no. <b>A</b>	Section <b>36</b>	Township <b>30N</b>	Range <b>13W</b>	Lot Idn <b>NENE</b>	Feet from the <b>493</b>	North/South Line <b>NORTH</b>	Feet from the <b>743</b>	East/West line <b>EAST</b>	County <b>SAN JUAN</b>
---------------------------	----------------------	------------------------	---------------------	------------------------	-----------------------------	----------------------------------	-----------------------------	-------------------------------	---------------------------

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

<sup>12</sup> Lse Code <b>S</b>	<sup>13</sup> Producing Method	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
------------------------------------	--------------------------------	-----------------------------------	-----------------------------------	------------------------------------	-------------------------------------

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID <b>151618</b>	<sup>19</sup> Transporter Name and Address <b>El Paso Field Services</b> 614 Reilly Avenue Farmington, NM 87401	<sup>20</sup> POD <b>2829065</b>	<sup>21</sup> O/G <b>6</b>	<sup>22</sup> POD ULSTR Location and Description

IV. Produced Water

<sup>23</sup> POD <b>2829066</b>	<sup>24</sup> POD ULSTR Location and Description
-------------------------------------	--

V. Well Completion Data

<sup>25</sup> Spud Date <b>5/10/01</b>	<sup>26</sup> Ready Date <b>6/21/01</b>	<sup>27</sup> TD <b>1825' KB</b>	<sup>28</sup> PBT <b>1760'</b>	<sup>29</sup> Perforations <b>1642'-1656'</b>	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size <b>8-3/4"</b>	<sup>32</sup> Casing & Tubing Size <b>7"</b>	<sup>33</sup> Depth Set <b>127' KB</b>	<sup>34</sup> Sacks Cement <b>50 sxs (59 cu.ft.)</b>		
<b>6-1/4"</b>	<b>4-1/2"</b>	<b>1797' KB</b>	<b>220 sxs (401 cu.ft.)</b>		
	<b>2-3/8"</b>	<b>1651.17' GL</b>			

VI. Well Test Data

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date <b>6/25/01</b>	<sup>38</sup> Test Length <b>11.5 hrs</b>	<sup>39</sup> Tbg. Pressure <b>0 psi</b>	<sup>40</sup> Csg. Pressure <b>SIP 195 psi</b>
<sup>41</sup> Choke Size <b>---</b>	<sup>42</sup> Oil <b>0</b>	<sup>43</sup> Water <b>264</b>	<sup>44</sup> Gas <b>200 est.</b>	<sup>45</sup> AOF <b>---</b>	<sup>46</sup> Test Method <b>Flowing</b>

"I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Steven S. Dunn*

Printed name:  
**Steven S. Dunn**

Title:  
**Drig & Prod Manager**

Date:  
**6/29/01**

Phone: **(505) 327-9801**

OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY CHARLIE T. PIERCE**

Title: **DEPUTY OIL & GAS INSPECTOR, DIST. #3**

Approval Date:

**JUL 10 2001**