OMB No. 1004-0137 Expires March 31, 2007

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MAN	AGEMENT RECE	IVED	NMSF-078899		
APPLICATION FOR PERMIT TO	A	NGTON	6. If Indian, Allotee or N/A	Tribe Name	
a. Type of work: DRILL REENTER			7. If Unit or CA Agreement, Name and No. N/A		
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multip	ole Zone	8. Lease Name and Well BLACKROCK C		
2. Name of Operator MERRION OIL & GAS CORPORATION	ON		9. API Well No. 34-34-34-3	306	
A. Address 610 REILLY AVE. SARMINGTON, NM 87401 3b. Phone No. (include area code) (505) 324-5300			10. Field and Pool, or Exploratory GAL'GOS GAL'P & BAS. DAK.		
4. Location of Well (Report location clearly and in accordance with an	ry State requirements.*)		11. Sec., T. R. M. or Blk.a	nd Survey or Area	
At surface 760' FSL & 1618' FWL At proposed prod. zone SAME		;	N 21-26N-11W NM	PM	
14. Distance in miles and direction from nearest town or post office*		-	12. County or Parish	13. State	
16 AIR MILES SOUTH OF BLOOMFIELD	N C (- 1			SAN JUAN NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 298' (560'&760' to CA)	960	6. No. of acres in lease 17. Spacing Unit dedicated to this we 80 320 S2SW4 (Gallup) & W2 (Dal			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 101' (Jazz Com 2)	19. Proposed Depth 20. BLM/E 6,200' NM-0		BIA Bond No. on file,		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,208' GL	22 Approximate date work will star 10/01/2007	rt*	23. Estimated duration 2 WEEKS		
	24. Attachments		RCUD	DEC 20 '07	
he following, completed in accordance with the requirements of Onshor	re Oil and Gas Order No.1, shall be a	ttached to thi	s form: OIL C	ONS. DIV.	
Well plat certified by a registered surveyor. A Drilling Plan.	4. Bond to cover the Item 20 above).	he operation	ns unless covered by an exis	sting bond on file (see	
3. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).	Lands, the 5. Operator certific 6. Such other site authorized office	specific info	ormation and/or plans as ma	IST. 3 y be required by the	
25. Signature	Name (Printed/Typed) BRIAN WOOD		Da	te 05/05/2007	
itle	PHONE: (505) 466-8120	FAX	X: (505) 466-9682	,	
Approved by (Signature) Manleelows	Name (Printed/Typed)		Da	te 12/18/5	
Title A	Office				

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

*(Instructions on page 2)

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

HOLD CIG- FOR NSL in Gallegos GILP

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3185.4

12/26/07

District I 1625 N. French Dr., Hobbs, NM 88240 1301 W. Grand Ave., Artesia, NM 88210 District II 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St Francis Dr., Santa Fe. NM 87505

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State of New Mexico State of New Mexico

Energy. Minerals & Mining Resources Department IVED

OL CONSERVATION DIVISION FARMINGTON Shimit to Appropriate District Office
State Lease - 4 Copies 2040 South Pacheco Santa Fe, NM 87505

State Lease - 4 Copies
Fee Lease - 3 Copies

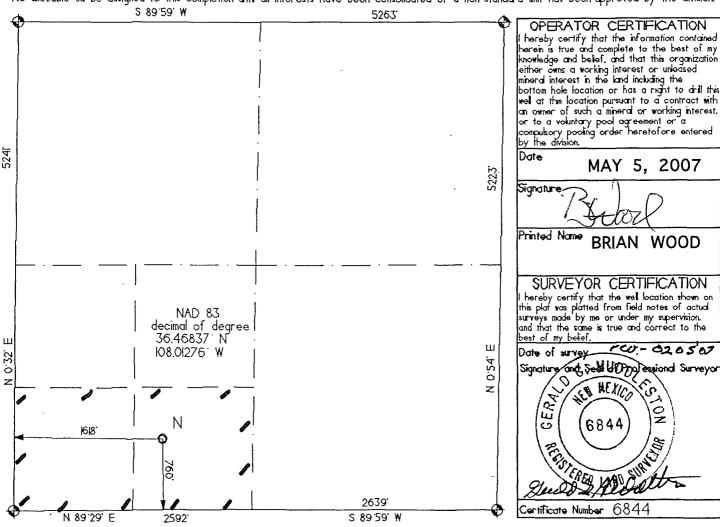
TAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT APA Number Pool Name Pool Code 30-045-3/306 26980 GALLEGOS GALLUP (ASSOC.) Property Code Property Name Well Number 30962 Blackrock C ΙE OCRID No. Bevation Operator Name 014634 MERRION OIL & GAS CORPORATION 6208 Surface Location

UL or Lot Feet from> North/South East/West County Sec. Twp. Lat lan Feet from> Rge. 1618 21 26 N ₩. 760 South San Juan West Bottom Hole Location If Different From Surface Twp. UL or Lot Rge. Feet from> North/South Feet from> East/West County Sec. Lot kin Dedicated Acres Joint or Infill Consolidation Code Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

C



District I 1625 N. French Dr., Hobbs, NM 88240 1301 W. Grand Ave., Artesia, NM 88210 District II 1000 Rio Brazos Rd., Aztec, NM 87410

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State of New Mexico State of New Mexico 2007 Minerals & Mining Resources 2007 Minerals 7 Form C - 102 AM Submit 10 Appropriate District Office OIL CONSERVĂTION DIVISION RECEIVED " State Lease - .4 Copies 2040 South Pacheco Santa Fe. NM 87505

Fee Lease - 3 Copies 070 FARMINGTON NM MANDED REPORT 1220 S. St Francis Dr., Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT APA Number Pool Name : Pool Code 30-045- 34306 BASIN DAKOTA 71599 Property Code Well Number Property Name 30962 Blackrock C ΙE 00RD No. 014634 Bevation Operator Name MERRION OIL & GAS CORPORATION 6208 Surface Location County UL or Lot Feet from> North/South Feet from> Sec Twp. Rge. Lot lon East/West 21 1618. .N 26 N . II W. 760 South San Juan West Bottom Hole Location If Different From Surface UL or Lot Sec Twp. Feet from> North/South | Feet from> County Rge. Lot lon East/West Dedicated Acres Joint or Infil Consolidation Code Order No. 320 No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division. \$ 89.59° W 5263 OPERATOR CERTIFICATION hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest. or to a voluntary pool agreement or a compulsory pooling order heretofore entered by the division. Date MAY 5, 2007 Signature Printed Name BRIAN WOOD SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was platted from field notes of actual NAD 83 surveys made by me or under my supervision. and that the same is true and correct to the decimal of degree 36.46837 N best of my belief. rev. - 020501 108.01276 W Date of survey. 32 54 and Seld UPpolessiand Surveyor ö ö LE HEXIC ᢆᢐ 2 Ν 684 1618 2639 6844 Certificate Number N 89 29' E \$ 89 59° W

Submet 3 Copies To Appropriate District Office	State of New Mexico		Form C-103		
District I	Energy, Minerals and Natural Re-	Sources	May 27, 2004 WELL API NO.		
1625 N. French Dr., Hobbs, NM 88240 District II		20.045 242	30-045- 34200		
1301 W. Grand Ave , Artesia, NM 88210	OIL CONSERVATION DIVI	SION 5 Indicate Type of	5. Indicate Type of Lease		
<u>District III</u> 1000 Rio Brazos Rd , Aztec, NM 87410	1220 South St. Francis D	STATE	STATE FEE		
District IV 1220 S. St Francis Dr, Santa Fe, NM	Santa Fe, NM 87505	6 State Oil & Ga NMSF-078899	s Lease No.		
87505	OFG AND DEPODITE ON WELLS		TI '		
(DO NOT USE THIS FORM FOR PROPOS	CES AND REPORTS ON WELLS BALS TO DRILL OR TO DEEPEN OR PLUG BACK ATION FOR PERMIT" (FORM C-101) FOR SUCH	K TO A	Unit Agreement Name		
· · · · · · · · · · · · · · · · · · ·	Gas Well Other	8. Well Number	1-E		
2. Name of Operator		9. OGRID Numb	er 014634		
MERRION OIL & GAS CORPORA 3. Address of Operator	ATION	10. Pool name or	Wildcat		
610 REILLY AVE., FARMINGTO	N, NM 87401	-	UP & BASIN DAKOTA		
4. Well Location					
Unit Letter: N	760' FSL & 1618' FWL				
Section 15	Township 26 N Ran	<u> </u>	SAN JUAN County		
	11. Elevation (Show whether DR, RKB, I	(I, GR, etc.)			
Pic or Below-grade Tank Application Do		4.7.01(9,0001)98591	>200'		
Pit type: DRILLING Depth to Groundwa	ter: <u>>80'</u> Distance from nearest fresh water well: <u>></u>	-1,000' Distance from nearest surface v	vater: <u>≰500'</u>		
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume	_bbls; Construction Material			
12. Chec	k Appropriate Box to Indicate Natu	are of Notice, Report or Otl	ner Data		
NOTICE OF IN	TENTION TO:	SUBSEQUENT REI	PORT OF:		
PERFORM REMEDIAL WORK		EDIAL WORK	ALTERING CASING □		
TEMPORARILY ABANDON		MENCE DRILLING OPNS.□	P AND A		
PULL OR ALTER CASING	MULTIPLE COMPL CASI	NG/CEMENT JOB	_		
OTHER ROLLING DIT			_		
OTHER: DRILLING PIT 13 Describe proposed or complete	OTHE eted operations. (Clearly state all pertinent		including actimated date of		
starting any proposed work)	SEE RULE 1103. For Multiple Complet				
recompletion.					
	•				
•					
		•			
I hereby certify that the information a	boye is true and complete to the best of my ling to NMOCD guidelines [4], a general permit [knowledge and belief. I further of	ertify that any pit or below-grade tank		
SIGNATURE SIGNATURE	TITLE: CONSULT	_			
Type or print name: BRIAN WOOD	E-mail address: brian@permitswes		.: (505) 466-8120		
For State Use Only	△	•	• •		
APPROVED BY:	TITLE Deput	y Oil & Gas Inspector District #3	DATE 12/26/07		
APPROVED BY:Conditions of Approval (if any):	TILE		AIE 10/0 1		

B

Merrion Oil & Gas Corporation Blackrock C 1-E 760' FSL & 1618' FWL Sec. 21, T. 26 N., R. 11 W. San Juan County, New Mexico

Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Nacimiento	0'	12'	+6,208'
Ojo Alamo	377'	389'	+5,831'
Kirtland Shale	535'	547'	+5,673'
Fruitland	1,132'	1,144'	+5,076'
Main Fruitland	1,387'	1,399'	+4,821'
Pictured Cliffs	1,407'	1,419'	+4,801'
Lewis Shale	1,530'	1,542'	+4,678'
La Ventana	2,317'	2,329'	+3,891'
Menefee Shale	3,097'	3,109'	+3,111'
Point Lookout Sandstone	3,909'	3,921'	+2,299'
Mancos Shale	4,132'	4,144'	+2,076'
Gallup Sandstone	4,960'	4,972'	+1,248'
Greenhorn Limestone	5,820'	5,832'	+388'
Dakota Sandstone	5,985'	5,997'	+223'
Total Depth (TD)	6,200'	6,212'	+8'

2. NOTABLE ZONES

Gas & Oil Zones	<u>Water Zones</u>	<u>Coal Zones</u>
Fruitland	Nacimiento	Fruitland
Pictured Cliffs	Fruitland	•
Gallup		
Dakota		

Water zones will be protected with casing, cement, and weighted mud. Fresh water found while drilling will be recorded.



Merrion Oil & Gas Corporation Blackrock C 1-E 760' FSL & 1618' FWL Sec. 21, T. 26 N., R. 11 W. San Juan County, New Mexico

3. PRESSURE CONTROL

The drilling contract has not been awarded. Thus, the exact BOP model to be used is not yet known. (A typical double ram 2,000 psi model is on PAGE 3.) Minimum working pressure will be 2,000 psi. Pressure calculations are:

0.29 psi/foot x 6,200' = 1,798 psi maximum expected bottom hole pressure $\frac{-0.22 \text{ psi/foot x 6,200'} = 1,364 \text{ psi gas cut column}}{434 \text{ psi maximum expected surface pressure}}$

BOP pressure tests will be conducted at time of installation and before drilling out the surface casing shoe. Ram type preventer will be tested to $\approx 1,000$ psi. The BOP will be activated on each bit trip and the activation recorded in the driller's log. A 2,000 psi working pressure choke manifold, kill line from the mud pump, and kelly cock valve will be installed. Stabbing valves for drill pipe and drill collars will be available on the rig floor.

4. CASING & CEMENT

Hole Size	<u>O. D.</u>	Pounds/Foot	<u>Grade</u>	<u>Age</u>	Connections	<u>Depth Set</u>
12-1/4"	8-5/8"	24	J-55	New	ST&C	320'
7-7/8"	4-1/2"	11.6	J-55	New	LT&C	6,200'

Surface casing will be cemented to surface with ≈ 264 cubic feet (≈ 224 sacks) Class B neat + 1/4 pound per sack cello-flake + 2% to 4% CaCl₂. Yield = 1.18 cubic feet per sack. Weight = 15.6 pounds per gallon. Excess = 100%. A centralizer will be placed on the bottom joint.

Production casing hole will be cemented in two stages to the surface with $\approx 2,142$ cubic feet. Excess: $\geq 50\%$ (actual volumes will be based on caliper survey). DV tool will be ≈ 50 ' below the top of the Mancos shale. Thus, DV tool will be set at $\approx 4,185$ '. Will install 2 centralizers to bracket DV tool, ≈ 6 centralizers over Dakota, and ≈ 8 centralizers over Gallup.



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First stage (\approx 2,015') of long string cement will cover Gallup and Dakota zones. Lead with \approx 235 sacks Premium light high strength with 2% KCl + 0.2% CD-32 + 0.5% FL-52 + 1/2 pound per sack cello flake + 2% pheno seal (= 2.01 cubic feet per sack & 12.5 pounds per gallon. Tail with \approx 150 sacks Type III + 0.3% CD-32 + 0.2% FL-52 + 5% A-10 + 1/4 pound per sack cello flake 2% pheno seal (= 1.54 cubic feet per sack & 14.2 pounds per gallon).

Second stage of cement will cover $\approx 4,185$ ' from DV tool to surface. Lead with ≈ 500 sacks Type III + 1/4 pound per sack flake + 8% gel + 2% pheno seal (= 2.60 cubic feet per sack & 11.9 pounds per gallon). Tail with ≈ 100 sacks Type III neat (=1.39 cubic feet per sack & 14.5 pounds per gallon).

5. MUD PROGRAM

Surface hole will be drilled with fresh water based spud mud at ≈ 8.4 pounds per gallon. Lime and gel will be added as needed for viscosity. Production hole will be drilled with a fresh water based low solids non dispersed mud with a weight of <9.0 pounds per gallon and water loss of <10 cc. Starch will be added as needed. Producing or sensitive zones will be air drilled.

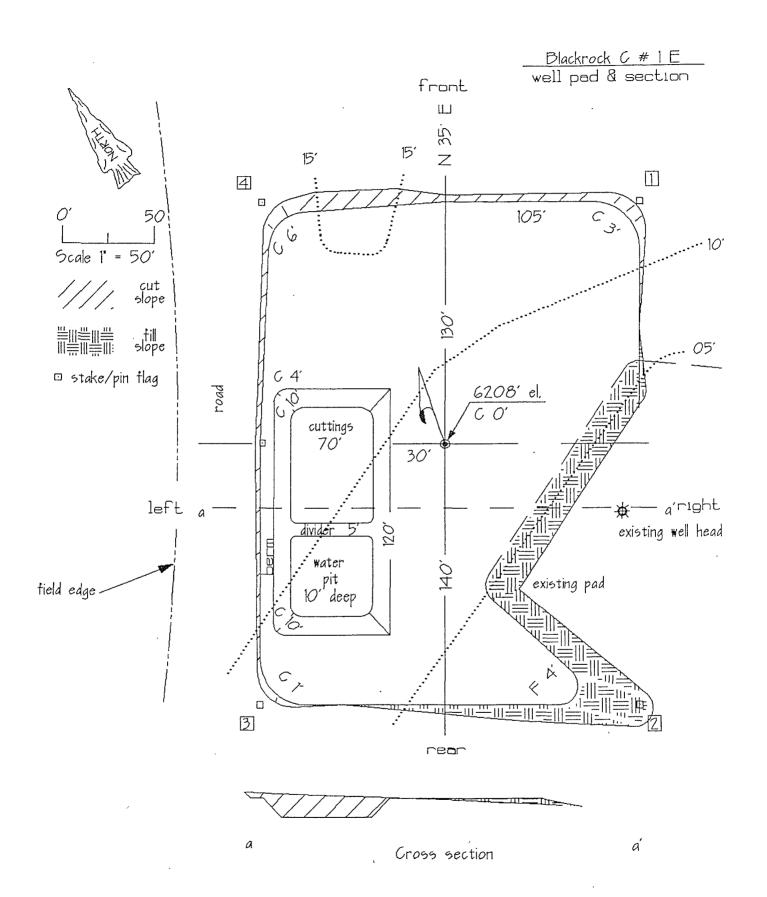
6. CORES, TESTS, & LOGS

No cores or drill stem tests are planned. DIL-FDC-GR logs will be run from TD to the base of the surface casing.

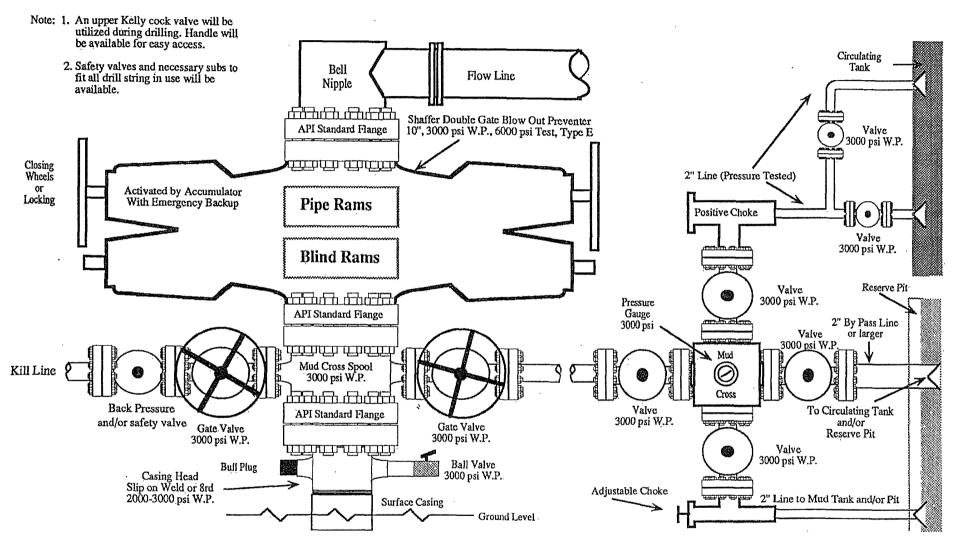
7. DOWN HOLE CONDITIONS

No abnormal pressures, temperatures, nor hydrogen sulfide are expected.





2,000 PSI BOP SYSTEM



Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard, 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.