Distribution UTS	(BLWI); I-Well File; I-C	rystai; 1-Latieen			
Form 3160-3	p.p. 14/34		SUBMIT I	N TRIPLICATE*	Form approved
	RID - 14634			instruction on	Budget Bureau No. 1004-0136
(formerty 9-331C)	r - 13102 m		المؤالة وللمناطاتين الرازان	verse side)	Expires August 31, 1985
(· ·	UN	IITED STATES	∂L11	•	30-039-25342
15 2	7/599 UN DEPARTMI	ENT OF THE INT	ERIOR	5.	LEASE DESIGNATION AND SERIAL NO.
	RUREAUO	F LAND MANAGEN	MENTO 12 PM	դ: 00 l	SF-079298∳-C
1 DDT 101 0770					IF INDIAN, ALLOTTEE OR TRIBE NAME
	N FOR PERMIT TO I	KILL, DEEPEN,			·
la. TYPE OR WORK	DRILLX	DEEPEN	PLUG BACK	7	UNIT AGREEMENT NAME
L TIME OF WORK	DRILLA	DEEPEN	PLUG BACK		
b. TYPE OF WORK Oil	Gas	SINGLE	MULTIPLE	8.	FARM OR LEASE NAME
Well	Well X Oth	zone	ZONE		
					SHELBY FEDERAL COM
2. NAME OF OPERATO					WELL NO.
	Gas Corporation \checkmark				Ċ.
3. ADDRESS OF OPER	ATOR	ancette.			1E
P. O. Box 840.	Farmington, New Mexico	87499	1 E C F I W	10.	FIELD AND POOL, OR WILDCAT
	L (Report location clearly and in accordance	6 84.3)		Basin Dakota
At surface	800' FNL & 2030' FWL	(NENW)	Lance Carrie	Charles .	SEC., T., R., M., OR BLK AND SURVEY OR AREA
			NOV1 8 199:	3 . (6	`
At proposed prod. zone	:				Section 24, T27N, R7W
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAREST TOWN	OR POST OFFICE*	DIL CON. I	- 12 V • 12	COUNTY OR PARISH 13. STATE
20 miles South	east of Blanco, New Mexic	0	DIST. 3		Rio Arriba New Mexico
15. DISTANCE FROM PRO	POSED*		ACRES IN LEASE		RES ASSIGNED
LOCATION TO NEARE		3.	52.070	TO THIS WI	E4/352.07
PROPERTY OR LEASI		800'	-320 .	,	√/320 (160 acre infill)
(Also to nearest drig, un 18. DISTANCE FROM PRO		19. PROPO	SED DEPTH	20. ROTARY Ø	R CABLE TOOLS
TO NEAREST WELL, I	ORILLED, COMPLETED,	300'	7823'		Rotary
OR APPLIED FOR, ON	THIS LEASE, FT.	<u>64</u>	<u>PERATIONS AUTHOR</u>	Lac	2. APPROX. DATE WORK WILL START*
21. ELEVATIONS PROPERTY	tened@Femb@cetto technical a rai review pursuant to 43 C	ER 3185.3 SUBJECT TO	D COMPLIANCE WITH	ATTACHED 4	
23. end and	eat pursuant to 43 CFR 315	CONCED CASING AND	EXPENTING PROPERTY	4	November, 1993
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		JANTITY OF CEMENT
——————————————————————————————————————	DIEE OF GABING	WEIGHTTERTOOT	UDITING DELTIN		JIEVIII I OI CHIMINI
12-1/4"	8-5/8" J-55	24#	240'	175 sx (2	06 сц.ft.)
7-7/8**	4-1/2" J-55	10.5# & 11.6#	7823'	1st Stge: 350 s	ıx (427 cu.ft.)
				2nd Stge: 305	sx (629 cf) + 50 sx (61 cf)
	•	•	•	3rd Stee: 635	sx (1308 cf) + 50 sx (61 cf)
				•	
Wa mmanasa ta duil	l 12-1/4" surface hole to 240	and set 240! of 9 5/9!!	2.1# 1.55 sumfoco o	osing with 17	Sev Class B
				_	
	aCl2. Will wait on cement 1				
	logs. If well appears produc				
cement 1st Stage w	vith 350 sx (427 cuft) Class H	[w/2% gel (yield 1.22 c	uft/sx). Will eireula	te 3-4 hrs bet	tween stages.
2nd Stage tool in M	Iancos at \pm 5650'. Will cem	ent with 305 sx (629 cut	t) Class B, 2% Sodi	um Metasilic	ate (yield 2.06
cuft/sx), followed b	y 50 sx (61 cuft) Class H w/2	% gel (vield 1.22 cuft/s	x). Estimated top o	f cement @ 3	3400'.
	w Pictured Cliffs @ 3350' K				
-	llowed by 50 sx (61 cuft) Cla				
•	, ,			illinate (@ sui	iacc.
•	and stimulate as necessary to		ounctive intervals.		
Merrion owns righ	its below the Mesaverde fori	nation.			
	ACTURE BE CROSED BE CORVEY	TC 1: 1			
	SCRIBE PROPOSED PROGRAM:		· · · · · · · · · · · · · · · · · · ·	- ·	• • •
zone. If proposal is to di preventer program, if an	rill or deepen directionally, give pertin	ent data on subsurface location	s and measured and true v	ertical depths. Gi	ive blowout
24. Dieventer brogeranten an				·	
Signed A	X	TITLE	Operations Ma	nager Da	ate 10/7/93
	S. Dunn				
(This space for Federa	or State office use)				
200			ADDOUGLA		APPROVED
PERMIT NO			APPROVAL DATE		
**************************************		 _		_	AS AMENDED
APPROVED BY CONDITIONS OF APPROV	AL IF ANY:	TITLE	<u> </u>	Da	ate1 r 1002
1.2.	_				NOW 15 1993
O. K.	<u> </u>	*Saa Instruction	ons On Reverse Sid	le	
Tiela 18 II C Com	tion 1001 makes it a crime for				OF THE PROPERTY OF THE PARTY OF
United States any fa	lion 1001, makes it a clime for lse, fictitious or fraudulent state	ements or representations	as to any matter with	in its jurisdiction	nt prestricteMANAGER

11 JAZ

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-57

SS 807 12 FX 4: 00

Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT | P.O. Bux 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Aneria, NM 88210

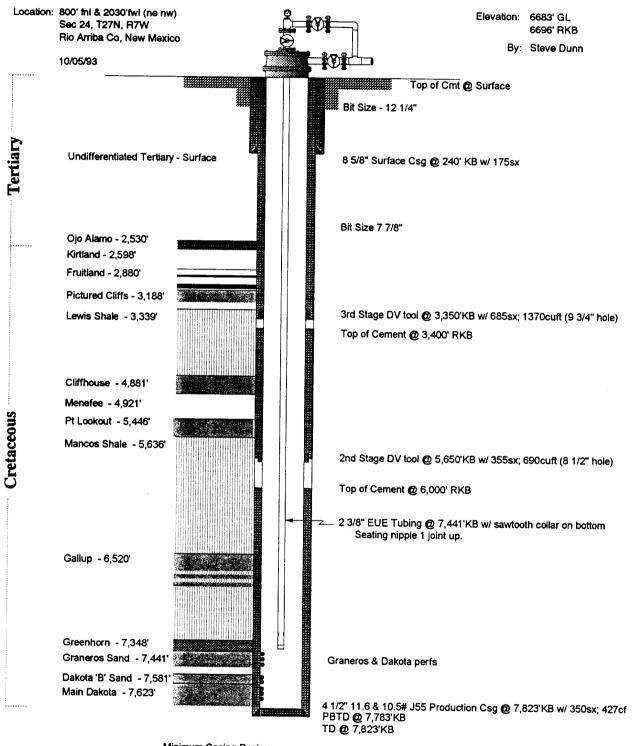
DISTRICT III
1000 Reg Brates Rd. Aries, NM \$7410 . . WELL LOCATION AND ACREAGE DEDICATION PLAT (7)

MERRION O & G CORPORATION She lby Federal Com Township Township	perator		All Distan	cos must be	Lease	oundanes of the	sector		Well Jan 14141
The form the State of the service of the state of the sta		MERRION O	& G CORPOR	ATION	Shelby F	ederal Con	1		1 E -
Sold leve leve note in the NORTH line and 2030 feet from the WRST Dank leve leve across grownsome leve of Dank of a	5/-	24		N .		i.	NMPM	PTO	ARRIBA
Dakota Basin Joulies the acresse addicated to the subject well by colored possion or hardware marks on the plat below. 2. If more than one lease of different ownership is dedicated to the well, outline each and ideally the ownership thereof (both as to working interest and rayalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners bone consolidated by communication, force-pooling dea? Yes No Ill narver is Too! list the owners and trans descriptions which have aroundly been ecceptionated. (Use reverse side of this form if seccessary. No allowable with the staged to the well such all interests have been ecceptionated. (Use reverse side of this form if seccessary. No allowable with the staged to the well such all interests have been ecceptionated. (Use reverse side of this form if seccessary. No allowable with the staged to the well such all interests have been ecceptionated. (Use reverse side of this form if seccessary. No allowable with the staged to the well such all interests have been ecceptionated. (Use reverse side of the secret pooling or contents to the best of my homoladity and belief. No Company Finds Name Scott Novil 8 1993 OIL CON. DIV. DIST. 3 Surveyor Certification I havely certify that the well location shows on this plan was pleased from fold notes or the second of the s			NORTH	line and	20:	30	feet from	the WEST	
2. If more than one lease is distincted to the well, outline each and identify the ownership thereof (both as to working interest and royshy). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communication, unalization, force-pooling, etc.? Yes	round level Elev.	7/	_			in			352.01
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communication, unsitiation, force-pooling, etc.? Yes	1. Outli			by colored per	cil or hachure ma	rks on the plat be	iow.		
mailipaion, force-pooling de 7 Yes No If sarwer is "yes" type of consolidation Force Food care If sarwer is "so" list the owners and treat descriptions which have semalty been consolidated. (Use reverte ride of this form if occessary. No allowable will be surged to the well until all internst have been consolidated. (Use reverte ride of this form if occessary. No allowable will be surged to the well until all internst have been consolidated. (Use reverte ride of or until a non-standard unit, eliminating such internst, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify that the information contained havin in rus and complete to the best of my browledge and build. Significant Finals Name Steven S. Dunn Position Operations Manager Company Finals Name Steven S. Dunn Position Operations Manager Company I hereby certify that the well location shows on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water on this plat wat plotted from full nates or account anyth made by me or water or the plates of the plates of the plates of the plates of the p	2. If mo	ore than one lease is d	edicated to the well, ou	uline each and	identify the own	ership thereof (bo	th as to work	ing interest and r	oyalty).
Yes No If answer is "yes" type of consolidation Writer Conso			etc.7						zmitizatioe,
No allowable will be stagged to the well until all interest have been econodidated (by communication, untilization, forced-pooling or otherwise) OPERATOR CERTIFICATION I hereby certify that the information contained here in it rue and complete to the best of my benefact and build. Steven S. Dunn Poulson Operations Manager Company Merrion 0il & Gas Corp. Date 10/07/93 SURVEYOR CERTIFICATION I hereby certify that the well location show on this plat was plotted from field notes on the plate surveyed and build. Scale 1" = 1200" NOVI 8 1993 OIL CON. DIV. DIST. 3 Certificate N. W.	I∑	Yes	No Il 2024	ver is "yes" tyj as which have	pe of consolidations are consolidations.	n <u>FORCE</u> prolidured (Use	reverse side o	<u> </u>	
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find. brass cap Second Se	į	~ .2 . N	86° 28' W	87.40	ah. 01 a			1 hereby	certify that the information
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Merrion Oil & Gas Corporation Wellbore Schematic

Shelby Federal Com No. 1E

Proposed Wellbore Configuration



Minimum Casing Design:

- 1. Top Section 1,000ft of 11.6# ST&C
- 2. Middle Section 6,100ft of 10.5# ST&C
- 3. Bottom Section 723ft of 11.6# ST&C

CUATE 1:100 MM