Form 3160—8 (November 1983) (formerly 9-331C) SUBMIT IN TRL. ATE

(Other instructions on reverse side)

remain the same.)

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

30-039- 23604

UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK NM-40636 6. IF INDIAN, ALLOTTER OR TRIBE NAME 1a. TYPE OF WORK DRILL X DEEPEN | PLUG BACK [] 7. UNIT AGREEMENT NAME b. TTPE OF WELL WELL X WELL _ MULTIPLE OTHER 2. NAME OF OPERATOR S. FARM OR LEASE NAME re Amoco Production Company Merrin D. + S. Com Oso Canyon Gas Com "C" attach. 3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 9. WELL NO. 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface 10. FIELD AND POOL, OR WILDCAT Undes. GP/Undes. DK 11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA At proposed prod. sone 5420418 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE <u>Same</u> SE/NW Sec. 13, T24N, R2W 12. COUNTY OR PARISE | 13. STATE 6 miles east of Lindrith, New Mexico 10. DISTANCE FROM PROPUSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, 8 Rio Arriba 16. NO. OF ACRES IN LEASE NM 17. NO. OF ACRES ASSIGNED TO THIS WELL (Also to nearest drig, unit line, if any) 160 18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED, 1 mi. S
OR APPLIED FOR, ON THIS LEASE, FT. 40/40 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 80401 21. ELEVATIONS (Show whether DF, RT, GR, etc.) DRILLING OPERATIONS Rotary 7378' GR BUBLECT TO COMPLIANCE 22. APPROX. DATE WORK WILL START* "GENERAL REQUIREMENTS 23. As soon as permitted This action is subject (5 to 10 to 1 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE appeal pursuant to criment 1 233. SIZE OF CASING WEIGHT PER FOOT BETTING DEPTH 12-1/4" 8-5/8" 24#. J-55 7-7/8" 300 354 cu. ft. Class B 5-<u>1/2"</u> 15.5#, K-55 8040' 2014 cu. ft. Class B (This string may be two staged, but the cement types and volumes

Amoco proposes to drill the above well to further develop the Undesignated Gallup and Undesignated Dakota reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is undedicated at this time.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive gone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout 24.

B. D. Shaw

SIGNED

TITLE Administrative Supervitor APPROVED

AS AMENDED

AS AMENDED

APPROVAL DATE

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL APP

ONITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	NM 40636
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME : A SEE
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9-331-C for such proposals.)	
1. oil gas 🕤	8. FARM OR LEASE NAME Oso Canyon Gas Com C
weil weil other	9. WELL NO.
2. NAME OF OPERATOR	
Merrion Oil & Gas Corporation	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR P. O. Box 1017, Farmington, New Mexico 87499	Wildcat Gallup Dakota
	II. SEC., T., R., M., OR BLK. AND SURVEY OF
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	Sec. 13, T24N, R2W
AT SURFACE: 1650' FNL and 1650' FWL	12. COUNTY OR PARISH 13. STATE -
AT TOP PROD. INTERVAL: Same	Rio Arriba Tie New Mexico
AT TOTAL DEPTH: Same	14. API NO. ===== = ===========================
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW_DF, KDB, AND WD
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	7378' GL \$655 1 2 7 1
TEST WATER SHUT-OFF	
FRACTURE TREAT	
SHOOT OR ACIDIZE	(NOTE: Report results of multiple completion or zon
PULL OR ALTER CASING	change on Form 9–330.)
MULTIPLE COMPLETE	
CHANGE ZONES ABANDON*	그 그 그 그 그 무섭하겠다는 중요한 사람이 없다.
(other) Change of operator	
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is di 	irectionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertinen	it to this work.)*
Please change the Operator from AMOCO Production	on Company to Merrion Oil & Gas
Corporation.	
	- SPAR.
RECEIVE	ED REGEIVEM
OCT 2 2 1984	W
	NOV 0 9 1984
BUREAU OF LAND MANAS FARMINGTON RESOURCE	
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OIL GOM. DIV
	DIST. 3
Subsurface Safety Valve: Manu. and Type	Set @ Ft
18. I hereby certify that the foregoing is true and correct	10/22/24
SIGNED TITLE Operations Ma	anagerate 10/22/84
(This space for Federal or State offi	ice use) ACCEPTED FOR RECORD
APPROVED BY	
APPROVED BY TITLE CONDITIONS OF APPROVAL IF ANY:	OCT 2.2 1984
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Oper	PAKIMINGTON NESCONOE AKEA

RY Smm

W MEXICO LRALS UCPARTMENT

form C-107 Revised 10-

All distances must be from the

AMOCO PRODUCTION COMPANY Unit Letter F 13 21iN Actual Footage Location of Wells 1650 feet from the North Ground Level Elev: 7378 Gallup & Dakota OSO CANYON GAS COM #C# Prownship 2W Rio Arriba Famge County Rio Arriba Peet from the West Ine Dedicated Acreages 40/40	, ator			Legse	e of the Section,	<u> </u>
Actual Footree Location of Waith Post P		DUCTION COMPANY			S COM IICII	Well No.
Actual Postery Location of whith North the end 1650 feet from the West Inc. Source Level Eleve Producing Permittion Post Unides. Gallup & Unides. Dakota Callup & Dedicated Acresquer A0/40 Acresquer		1 1	· · · · · · · · · · · · · · · · · · ·	Range		
1650 the from the North the and 1650 test from the Mest Producing Formman Produci			ZUN	2W	Rio Arriba	
Table Production Forements Pool Unides Gallup & Unides Deletited Acreages A0/40 Acreages A	1650	feet from the No	rth line one	1650	Most	
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 work interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been considered by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation Communitized If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if accessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, unitization, or otherwine) or until a non-standard unit, eliminating such interests, has been approved by the Communitization. CERTIFICATION		1	ation		eet from the Nest	
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No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitizati forced-pooling, or otherwine) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information of tained have in its true and complete to beet all my knowledge and belief. Offiginal signed By Name B.D. Shaw Position Administrative Supervise. Company Administrative Supervise. Thereby certify that the well focult above on this plat was platted from this shown on this plat was platted from this after an actual surveys made by me under my supervision, and that the sea of my knowledge and belief. Date Surveys August 9, 1984 Registries Professional Engineer, and Gard Surveys.	Yes Yes	☐ No II ans	wer is "yes;" type	of consolidation Com	munitized	
I hereby certify that the information of tained herein is true and complete to best of any households and belief. Original Signed By Name B.D. Shaw Position Administrative Supervise Company Amoco Production Company Date 8-28-84 I hereby certify that the well locate shown on this plat was plotted from the nates of actual surveys made by me under my supervision, and that the sean Is true and correct to the best of m knowledge and belief. Date Surveyed August 9, 1984 Registered Professional Engineer and August 9, 1984 Registered Professional Engineer and August 9, 1984 Registered Professional Engineer and August 9, 1984	No allowa	ble will be assigned	to the well until al	Linteresta have b	1.1	
Sec. 13 I hereby certify that the well location shown on this plat was plotted from the nates of actual surveys made by me under my supervision, and that the san is true and correct to the best of m knowledge and belief.						CERTIFICATION
B.D. Shaw Position Administrative Supervise Company Amoco Production Company Date 8-28-84 I hereby certify that the well locate shown on this plat was platted from file notes of actual surveys made by me under my supervision, and that the sam is true and correct to the best of m knowledge and belief. Date Surveyed August 9, 1984 Registed Professional Engineer and Land Surveyor August 19, 1984 Registed Professional Engineer and Land Surveyor August 19, 1984 Registed Professional Engineer and Land Surveyor		1650'			fained he best of m	rein is true and complete to the y knowledge and belief. Jinai Signed Bv
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Administrative Supervise Company Amoco Production Company Date 8-28-84 I hereby certify that the well locate shown on this plot was plotted from file notes of actual surveys made by me under my supervision, and that the sam is true and correct to the best of m knowledge and belief. Date Surveyed August 9, 1984 Registed Professional Engineer and Land'Surveyor August 9, 1984 Registed Professional Engineer and Land'Surveyor	16501		1	1	 	onaw
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Registed Professional Engineer and Land Surveyor		1				* , \
Scale: 1"=10001	-				Registrated Promote Condition of Condition o	Surveyor Kerr Jr.