30-145-27-151

Form 3160-3 (November 1983)

SUBMIT IN TRIPLICATE.

Form approved.

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Is. THE OF WARK DELPEN DRILL W. OTHER OTHER ARE OF OPERATOR ABOVE TRANSPORT WILL (Report location clearly and in accordance with any state requirements.) 1. DETERMINED TO THE COLOR OF THE CO	(formerly 9-331C)	UNI DEPARTMEN	TED STATES T OF THE INTE	Other Institute (Other Institute) RIOR TOTAL	ructions on side)	expires Augu	u No. 1004-0136 st 31, 1985
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK Is the for your DRILL DEEPEN OR PLUG BACK DRILL DEEPEN OR PLUG BACK DEEPEN PLUG BACK TO UP THE OF WELL OUT OAR DEEPEN D					ij Sau	5. LEASE DESIGNATIO	N AND BERIAL NO.
DRILL X DEEPEN DEEPEN PLUG BACK TOWN AGREEMENT NAME DEEPEN DEEPEN DEEPEN DEEPEN TOWN AGREEMENT NAME THEORY WILL OIL OLD OAR WILL X OIL OLD OAR WILL X OIL OLD OAR WILL X RINGLE X NOR PRODUCTION AMOOCO Production Company A ADDRESS OF OPERATON 225 East 30th Street, Farmington NM 87401 1. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At purposed prod. zone Same 14. DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles mortheast of Aztec NM 10. DISTANCE PRODUCTION FROM PRABERS TOWN OR POST OFFICE* 10. NO. OF ACRES ASSIGNED NM Sec 22 T3IN R9W 10. NO. OF ACRES ASSIGNED NM Sec 22 T3IN R9W 10. NO. OF ACRES ASSIGNED TO THIS WILL THE PROPOSED PREY IN LEASE PROPERTY OR LEASE LIME, PT. LAIS to swretted dig. unit the. If any; 1095 ' 640.00 ' 326 WILL THE PROPERTY OR ACRES ASSIGNED TO APPEAR OR, ON THE LASE, PT. LAIS to swretted dig. unit the. If any; 1095 ' 640.00 ' 3364' ROLD WILL THE PROPOSED PREY IN LEASE TOWN OR APPEAR OR, ON THE LASE, PT. LAIS to swretted dig. unit the. If any; 1095 ' 640.00 ' 3364' ROLD WILL THE PROPOSED PREY IN LEASE TOWN. SEE ATTEMORY OR, ON THE LASE, PT. LAIS to swretted dig. unit the. If any; 1095 ' 640.00 ' 3264' ROLD WILL THE PROPOSED PREY IN LEASE TOWN. SEE ATTEMORY OR, ON THE LASE, PT. LAIS to swretted dig. unit the. If any; 1095 ' 640.00 ' 3264' ROLD WILL THE PROPOSED PREY IN LEASE TOWN. SEE ATTEMORY OF ACRES ASSISTANCE AND CHARLES ASSISTANCE OF CONTROLLED ASSISTANCE AND CHARLES ASSISTANCE AND CHARLES ASSISTANCE OF CONTROLLED ASSISTANCE AND CHARLES ASSISTANCE OF CONTROLLED ASSISTANCE AND CHARLES ASSISTANCE AND C	APPLICATIO				<i>UU</i> 111	NM-012647_	
DRILL \(\text{DEEPEN} \) DEEPEN \(\text{DEEPEN} \) PLUG BACK \(DATE OF WILL WILL OAR OF OTHER OTHER NAME OF OTHER NAME OF OTHER OTHER NAME OF OTHER OTHER NAME OF OTHER NAME O	Is. TYPE OF WORK	TOR PERMIT	TO DRILL, DEEL	EN, OR PLUG	BACK	G. IF INDIAN, ALLOTT	EB OR TRIBE NAME
Description will order to the state of Azec NM Same S		RILL X	DEEDEN [Dillo na	(* UU	7 11 N rm + 01	
Among of operation Among Production Company 3. Address of operation Among Production Company 3. Address of operation 2. Sast 30th Street, Farmington NM 87401 4. Location of well (Report location clearly and in accordance with any State requirements.*) At proposed prod. some 3. Address of Same 14. Direction of well (Report location clearly and in accordance with any State requirements.*) At proposed prod. some 3. Among well (Report location clearly and in accordance with any State requirements.*) At proposed prod. some 4. Location of well (Report location report prod. some 4. Location of well (Report location report prod. some 4. Location of well (Report location report prod. some 4. Location of well (Report location report prod. some 4. Location of well (Report location report prod. some 5. Tarm of least prod. some 8. Tarm of Least Prod. some 9. Well No. 10. Well No. 11. Acc. T. L. No. 11. ACC. T. L. No. 12. COUNTY OF REAL. 8. Tarm of Least Prod. some 8. Tarm of Least Prod. some 12. COUNTY OF Parties. 9. Well No. 12. COUNTY OF Parties. 13. Prof. or Acres assigned Prod. Some 14. DIRTANCE FOR Parties. 15. Prof. or Acres assigned Prod. Some 16. No. of Acres assigned Prod. Som. 18. Tarm of Least Link, FT. 18. DIRTANCE FOR FORT PROD. Some Parties Prod.	b. TYPE OF WELL			PLUG BA	YCK 🖂	. ONLY AGREEMENT	NAMB
Amoco Production Company Amoco Production Company 3. Address of Operation 2. 325 East 30th Street, Farmington NM 87401 4. Location of well. (Report location clearly and in accordance with any State requirements.") 10. Field and Poolt, Os wildcar 11. Pirith and Poolt, Os wildcar 12. Location of well. (Report location clearly and in accordance with any State requirements.") 13. All antifact of Front Pools and Same 14. Diritance in miles and direction from Nearest town on fost office. 15. Distance from Proposed Processor 16. No. Of acres in Lease 17. No. Of acres ansioned in No. Of acres and in accordance with any in the same	WELL _	WELL X COAL SEA	m ,	BINGLE TO MULT	மாக (அ	S FARM OR LONG	
2.325 East 30th Street, Farmington NM 87401 4. LOCATION OF WILL (Report location clearly and in accordance with any State requirements.) At Murace 1980' FSL x 1095' FWL At proposed prod. xone Same 14. DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE* 20 miles northeast of Aztec NM 15. DIRTANCE FROM PROPORED* LOCATION TO NEAREST TOWN OR FOST OFFICE* 16. NO. OF ACRES IN LEASE LOCATION TO NEAREST TOWN OR FOST OFFICE* 17. NO. OF ACRES ABSIGNED TO THIS WELL ASSOCIATION TO NEAREST TOWN IN THE STATE OF ALLES ABSIGNED TO THIS WELL 3.20 M / 2 3/9// 18. DIRTANCE FROM PROPORED* LOCATION TO NEAREST WILL, BRILLING THE STATE OF ALLES ABSIGNED TO THIS WELL 3.20 M / 2 3/9// 3.20 M / 2 3/9// 20. ROTART OR CABLE TOULS SEE OF HOLE SUBJECT TO COMPITABLE WILL AND ARTHOR PROPORATION AND ACTHORIZED ARE 21. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CRESHED AND CRESHED THE ATTACHED This action action and action action and action				ZONE ZONE			AME
2325 East 30th Street, Farmington NM 87401 4. Location of well (Report location clearly and in accordance with any State requirements.*) 1980' FSL x 1095' FWL At proposed prod. sone Same 14. Dirtance in miles and direction from mearest town or fost office* 20 miles northeast of Aztec NM 15. Dirtance from from the first, first, (Also to nearest dig. unit line, if any) 1095' 640.00 San Juan 16. No. of acres in lease from the trongent Location of National Locat	Amoco Produ	iction Company				Riddle B-1	
At proposed prod. sone Same 14. DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE* 20 miles northeast of Aztec NM 10. DIRTANCE FROM FROM PROPERTS LOCATION TO NEAREST TOWN TO PACKER IN LEASE 11. NO. OF ACRES IN LEASE 12. COUNTY OR FRAISIN NM 13. DIRTANCE FROM PROPOSEDS LOCATION TO NEAREST TOWN TO PACKER IN LEASE 15. NO. OF ACRES ASSIGNED TO THIS TOWN LEASE LINE, FT. 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS TOWN LEASE 18. PROPOSED LOCATION* 19. PROPOSED DEFTH 19. PR							
At proposed prod. zone Same Same 13. DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE* 20 miles northeast of Aztec NM 14. DIRTANCE FOR PROPOSED* PROPERTY OR LARGE HINE, IT. (Also to nearest deg. unit line, if any) 1095' 15. DISTANCE FROM PROPOSED* TO NAMEST WELL, DRILLING, COPIETED, OR THIS MELLING, COPIETED, OR AFFILIAD OR, OR THIS MELLING, COPIETED, OR AFFILIAD OR, OR THIS MELLING, OFFICE TO COMPHADE WITH ATTACHED 21. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CRESHOLS WEIGHT PER FOOT SETTING PROGRAM/OFCOCQUES I TOWN OR WEIGHT PER FOOT SETTING PROGRAM/OFCOCQUES I TOWN OR WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CREEKT TO LARGE WILL START' 12-1/4" 9-5/8" 3.6# K55 2.50' 2.00 cf Class B 8-3/4" 7" 2.0# K555 2.893' 8-3/4" 7" 2.0# K555 2.893' 8-12 cf Class B Lease description: T31N-R9W, NMPM	4. LOCATION OF WELL (outh Street, Far	mington NM 874	01			OR WILDCAT
At proposed prod. sone Same Same NWSW Sec 22 T3IN R9W 14. DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles northeast of Aztec NM 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST LOCATION THIS LEASE SIZE OF PROPOSED PROPOSED PERTITS SUBJECT TO COMMITTEE OR SUBJECT TO COMMITTEE TO NEAR TO NEAREST DELLA TO LOCATION TO THIS WELL SUBJECT TO COMMITTEE AND THE ATTACHED THIS ACTION THE WORK WILL START* 12. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CRESHING DEPTH ATTACHED THIS ACTION TO THE WORK WILL START* 12. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CRESHING DEPTH ATTACHED THIS ACTION TO LOCATION TO THE WORK WILL START* 12. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CRESHING DEPTH ATTACHED THIS ACTION TO THIS WALL TO THIS WELL 3.20 M /2 3//// 2. APPROX. DATE WORK WILL START* 12. APPROX. DATE WORK WILL START* 13. STATE SAN JURIS 14. NO. OF ACERS ASSIGNED 3. DIGHT TO THIS WELL 3. STATE SAN JURIS 17. NO. OF ACERS ASSIGNED 3. DIGHT TO THIS WELL 3. STATE SAN JURIS 17. NO. OF ACERS ASSIGNED 3. DIGHT TO THIS WELL 3. STATE SAN JURIS 17. NO. OF ACERS ASSIGNED 3. DIGHT TO THIS WELL 3. STATE SAN JURIS 17. NO. OF ACERS ASSIGNED 18. DISTANCE TO THIS WELL 3. STATE SAN JURIS 18. DISTANCE TO THIS WELL 3. STATE SAN JURIS 19. ACTION TO THIS WELL 3. APPROX. DATE WILL START 4. DISTANCE TO THIS WELL 3. STATE SAN JU	At surface	980 FCI - 100E	in accordance with any	State requirements.*)			
Same 14. DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles northeast of Aztec NM 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest dig. unit line, if any.) 1095' 16. NO. OF ACRES IN LEASE LINE, FT. (Also to nearest dig. unit line, if any.) 1095' 17. NO. OF ACRES ASSIGNED TO THIS WELL. 20. ROTARI OR CABLE TOOLS 20. ROTARI OR CABLE TOOLS 21. ELEVATIONS (Show whether DF, RT, GR, etc.) PRILLING OFLERATIONS AUTHORIZED ARE 21. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED DEPTH AUTACHED This solidades See Subject to COMPHANCE CHIR AUTACHED This solidades See Subject Bed Structured and See Subject Bed Septimist Each 22. APPROX. DATE WORK WILL START* 23. PROPOSED DEPTH AUTACHED This solidades See Subject Bed Septimist Each 24. PROPOSED DEPTH AUTACHED This solidades See Subject Bed Septimist Each 25. PROPOSED DEPTH AUTACHED THIS SOLIDADE CHIRAL SEE SUBJECT TO COMPHAND CEMBERTING PROGRAM/procedural review 1 CPU 3135. 26. 1/4" 9-5/8" 36# K55 250! 200 cf Class B 27. APPROX. DATE WORK WILL START* 28. STRING DEPTH QUANTITY OF CEMENT QUANTITY			FWL			11. SEC., T., R., M., OR	BIX
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles northeast of Aztec NM 11. COUNTY OR PARISH 112. COUNTY OR PARISH 113. STATE San Juan 15. DISTANCE FROM PROPORATE 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ABSIGNED TO THIS WELL 18. DISTANCE FROM PROPORATE 19. PROPORATE OR JUAN 20. ROTARY 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. ELEVATIONS (Show whether DF, RT, GR, etc.) 23. PROPORATE OR JUAN 24. APPROX. DATE WORK WILL STARY 25. ELEVATIONS (Show whether DF, RT, GR, etc.) 26. PROPORATE OR JUAN 27. PROPORATE OR JUAN 28. APPROX. DATE WORK WILL STARY 29. BOTARY 20. ROTARY 22. APPROX. DATE WORK WILL STARY 22. APPROX. DATE WORK WILL STARY 23. APPROX. DATE WORK WILL STARY 24. APPROX. DATE WORK WILL STARY 25. APPROX. DATE WORK WILL STARY 26. STARY 27. PROPORATE OR JUAN 28. APPROX. DATE WORK WILL STARY 29. APPROX. DATE WORK WILL STARY 20. STARY 20. STARY 20. STARY 21. COUNTY OR PARISH 13. STATE 23. DATE OF CASH ASSIGNED 24. APPROX. DATE WORK WILL STARY 25. APPROX. DATE WORK WILL STARY 26. APPROX. DATE WORK WILL STARY 27. APPROX. DATE WORK WILL STARY 28. APPROX. DATE WORK WILL STARY 29. APPROX. DATE WORK WILL STARY 20. ROTARY 22. APPROX. DATE WORK WILL STARY 24. APPROX. DATE WORK WILL STARY 25. APPROX. DATE WORK WILL STARY 26. APPROX. DATE WORK WILL STARY 27. APPROX. DATE WORK WILL STARY 28. APPROX. DATE WORK WILL STARY 29. APPROX. DATE WORK WILL STARY 20. ROTARY 20. ROTARY 22. APPROX. DATE WORK WILL STARY 24. APPROX. DATE WORK WILL STARY 25. APPROX. DATE WORK WILL STARY 26. APPROX. DATE WORK WILL STARY 27. APPROX. DATE WORK WILL STARY 28. APPROX. DATE WORK WILL STARY 29. APPROX. DATE WORK WILL STARY 29. APPROX. DATE WORK WILL STARY 20. ROTARY 20. ROTARY 20. ROTARY 20. ROTARY 22. APPROX. DATE WORK WILL STARY 24. APPROX. DATE WORK WILL STA	At proposed prod. zo					AND BURYET OR A	BEA
20 miles northeast of Aztec NM 13. DISTANCE FROM PROPOSED* LOCATION TO NEAREST HARDY 1095' 10. ALSO DEAREST GIR. Unit line, If any) 1095' 10. DISTANCE FROM PROPOSED LOCATION* 11. NO. OF ACRES ASSIGNED TO THIS WELL. 11. NO. OF ACRES ASSIGNED TO THIS WELL. 12. ELEVATIONS (Show whether DF, RT, GR, etc.) 13. DISTANCE FROM TROUBER (SHOW TO THIS LIABS) 14. NO ELEVATION (Show TRANCE TROUBER TO THIS LIABS) 15. PROPOSED JECT SHOW TO THIS LIABS 16. ALO STATE OF CASHING TO THIS LIABS 17. NO. OF ACRES ASSIGNED 18. DISTANCE FROM TROUBER (SHOW TO THIS LIABS) 18. DISTANCE FROM TROUBER (SHOW TO THIS LIABS) 19. OR TAIL TO THIS WELL. 19. OR TAIL TO THIS WELL. 20. ROTAL TO THIS WELL. 21. ELEVATIONS (Show TROUBER TO THIS LIABS) 22. APPROX. DATE OF	14. DISTANCE IN MILES		DEET TOWN ON DOOR			NWSW Sec 22	TAIN ROW
16. NO. OF ACRES IN LEASE LOCATION TO REARREST PROPERTY OR LEASE LINE, FT. (Also to nearest offig. unit line, if any) 18. DISTANCE FROM FROUCHS LOCATION: TO NEALEST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 21. ELEVATIONS (Show whether DF, RT, GR, etc.) SUBJECT TO COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 22. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPERTY OR LEASE LINE, FT. SUBJECT TO COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. SUBJECT TO COMPLETED ARE SUBJECT TO COMPLETED THE ATTACHED PROPERTY CASING WEIGHT PER FOOT SIZE OF HOLE SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH TO SHARING TO CASING WEIGHT PER FOOT SETTING DEPTH AND SPECIAL SUBJECT CASING WAS SUBJECT OF CASING TO COMPLETE TO CASING WAS SUBJECT OF CASING WEIGHT PER FOOT SETTING DEPTH AND SPECIAL SUBJECT OF CASING WAS SUBJECT OF CASING TO CASING T	20 miles i	northeast of Azt	OC NM	·I-		12. COUNTY OR PARISE	13. STATE
FROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line. If any) 1095' 18. DISTANCE PROM PROPORED LOCATIONS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6271' GR CREMING OF PROTOSED PETTH ATTACHED FROM SUBJECT 10 COMPLEADED WITH ATTACHED SIZE OF HOLE SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH 12-1/4" 9-5/8" 36# K55 250' 200 cf Class B 12-1/4" 5-1/2" Notice of Staking was submitted 4-17-89. Lease description: T31N-R9W, NMPM	13. DISTANCE FROM PROP	ORED*					NM
IS. DISTANCE FROM PROPOSED LOCATION' TO KEALEST WELL, DELLING, COMPLETED, OR APPLIED FOR, ON THIS LASK, IT. 21. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED LETT O COMPLETED ARE SUBJECT TO COMPLETE FOR SUBJECT TO COMPLETE ATTACHED PROPOSED LETT O COMPLETE ATTACHED PROPOSED LETT O COMPLETE ATTACHED PROPOSED LETT O COMPLETE ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Subject to Complete for the ATTACHED This action is Complete f	PROPERTY OR LEARS	IINE PT			17. NO. O	F ACRES ASSIGNED	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6271' GR CRILLING OF LRATIONS AUTHORIZED ARE SUBJECT TO COMPHANIC WITH ATTACHED PROFESSIVE ASSISTED FROM SETTING PROGRAM PROCEDURAL TO COMPHANIST OF CASHA SIZE OF HOLE SIZE OF CASING NEIGHT PER FOOT SETTING DEPTH 12-1/4" 9-5/8" 36# K55 250' 200 cf Class B 6-1/4" 5-1/2" Notice of Staking was submitted 4-17-89. Lease description: T31N-R9W, NMPM	18. DISTANCE FROM PROI	g. unit line, if any)			1		7
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6271' GR SUBJECT TO COMPTIANCE WITH ATTACHED PROFIGE OF CASING PROFILE STATE OF HOLE 12-1/4" 9-5/8" 36# K55 250' 200 cf Class B 8-3/4" 7" 20# K55 2893' 812 cf Class B Notice of Staking was submitted 4-17-89. Lease description: Tain-R9W, NMPM	TO NEAREST WELL I	DILLING COMMERCE	See S	attached plan	ed plan 20. ROTARY OR CABLE TOOLS		
SUBJECT 10 COMPLIANCE WITH ATTACHED This action is SOFFicing permitted			}	33671	Rota	arv	
### SUMECT TO COMPTIANCE WITH ATTACHED PROFESSION CASING PROFESSION PROGRAM PROGRAM PROGRAM PROFESSION PROFES	62711	21, 111, GR, EC.,	DRICHNG OPERATIONS	AUTHORIZED ARE		22. APPROE. DATE WO	BE WILL START
SIZE OF HOLE	GR		CENTERY DESIGNATION	105 WITH ATTACHED	This acti	1.	
12-1/4" 9-5/8" 36# K55 250! 200 cf Class B 8-3/4" 7" 20# K55 2893! 812 cf Class B 813		P	ROPOSED CASING LANG	CEMENTING PROGR.	^{A M} procedur	al review grossmit	45 CSD 3135 3
S-3/4" 7" 20% K55 2893' 812 cf Class B		SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	and appr	OUANTITY OF CRUES	
6-1/4" 5-1/2" 23# P110 2893' 812 cf Class B Notice of Staking was submitted 4-17-89. Lease description: T31N-R9W, NMPM			36# K55	250'			
Notice of Staking was submitted 4-17-89. Lease description: T31N-R9W, NMPM		[·	20# K55	2893 '			
Lease description:	6-1/4"	5-1/2"	23# P110			Cr Crass B	
	Lease descri	iption: NMPM	tted 4-17-89.				

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone 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 24. (This space for Federal or State office use) **APPROVED** PERMIT NO. _ APPROVED BY CONDITIONS OF APPROVAL, IF ANY: MOCO *See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes it a crime for any person knowledly and willfully to make to any department or agency of the

Amoco proposes to drill the well to further develop the Fruitland Coal reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to the intermediate casing point with a non-dispersed mud system. The attached modified 11" 3000 psi blowout preventer will be used. Amoco will attempt to complete the Fruitland coal by drilling the interval with water and air. A service unit will probably be used to drill into the coals using the attached modified 6" 3000 psi BOP. If commercial productivity is established, then a 5-1/2" uncemented liner will be run. Amoco reserves the right to utilize a drilling rig to drill this hole section.

Quantity	Size	Weight	Description	Cementing Program
SURFACE CASING 250'	9-5/8"	36#	K55 ST&C	200 cf Class B, 2% CaCl ₂
INTERMEDIATE S	TRING			
2843,	7"	20#	K55 ST&C	812 cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl ₂ 15.6 ppg
LINER 300'	5-1/2"	23#	P110 LT&C	None

The above casing design is based upon a 9.0#/gallon mud weight.

CONTINGENCY OPERATIONAL PLAN

In the event the well does not yield commercial volumes of gas from the open hole completion, the water filled hole will be mudded-up and weighted-up as necessary (9-11#/gal.) for hole stability and well control. The well will then be deepened approximately 250' into the Pictured Cliffs formation to provide necessary footage for a cased and cemented completion technique. The Fruitland coals will then be perforated and fracture stimulated. The Pictured Cliffs formation will be isolated with cement.

CONTINGENCY LINER 650' 4-1/2" 11.6# K-55 LT&C 250 cf Class B

The contingency string is based upon a 11.0#/gallon mud weight.

Evaluation:

Mud logs will be the only logs run if the well is completed as an open hole. The log surveys (FDC/GR/CAL, DIL/SP/GR, Microlog, Mudlogger) will be run only if the well is drilled into the Pictured Cliffs formation, and only if well condition is suitable to allow proper wireline log interpretation.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION <u>DISTRICT I</u> P.O. Bux 1980, Hobbs, NM 88240

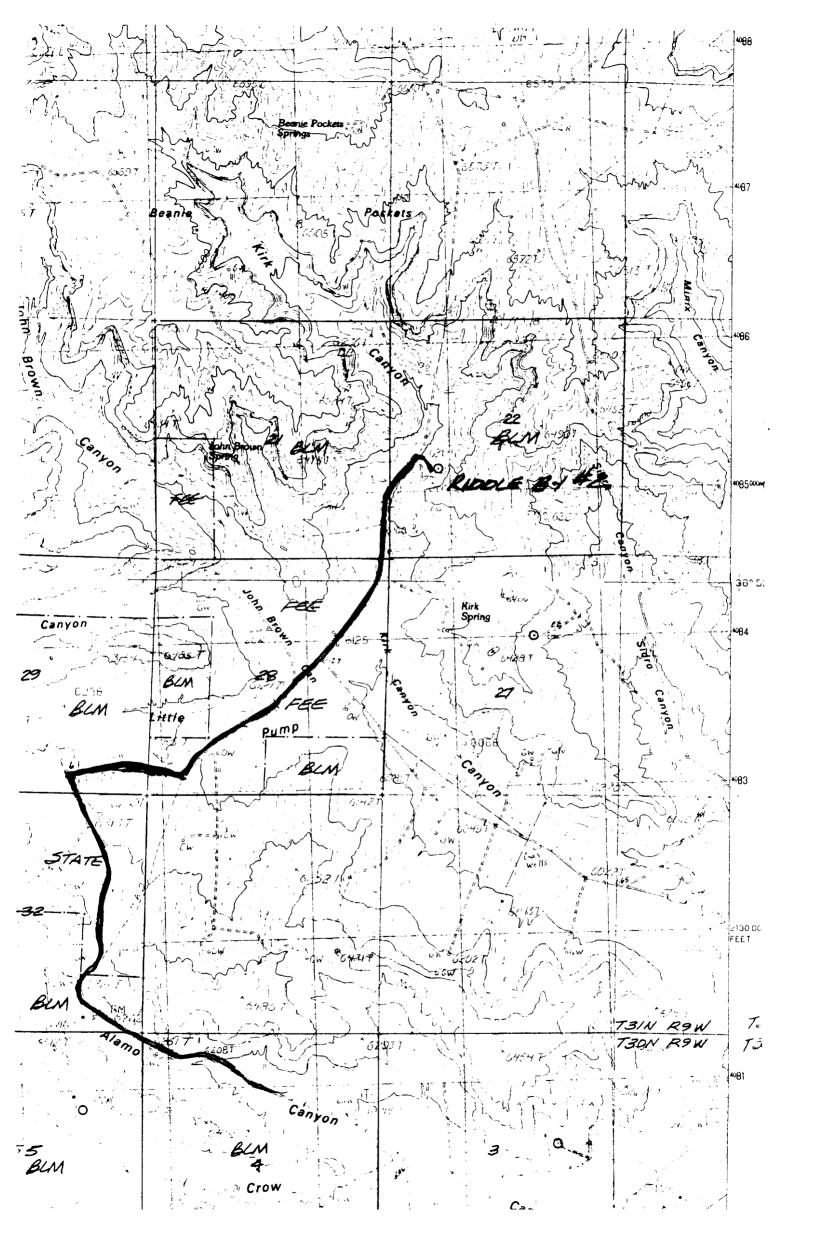
P.O. Box 2088 Santa Fe, New Mexico 87504-2088

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

DISTRICT III 1000 Rio Brazos Rd., Azaec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

(A			or the state and come controlling of the St	acean
	PRODUCTI	ON COMPANY	RIDDLE B-1	Well No. # 2
Unit Latter	Section 22	Township 31 NORTH	Range 9 WEST	NMPM SAN JUAN
Actual Footage Loc 198	3Q feet from the	SOUTH jime i	1095	WEST
CIGADO REVEL EJET.	PROGREE	ig Pomisios	Pool	Dedicated Acreage:
6271	Fru	itland	Basin Fruitlan	
1. Outlin	e the acreage dedicate	d to the subject well by colored	peacil or hachuse marks on the plat below	
2. If mor	re than one lease is dec	licated to the well, outline each	and identify the ownership thereof (both as	t to working internet and envolved
unitiza	tion, force-pooling, et	resear ownerming its deductated in c.?	o the well, have the interest of all owners be	ses consolidated by communitization,
[]	Yes	No If answer is "yes	type of consolidation	
This louin	If Beccessary.		have actually been consolidated. (Use rever	
No allow	able will be assigned t	o the well uptil all interests has	re been consolidated (by communitization,	unitization, forced-pooling, or otherwise)
OF USU &	non-standard unit, elu	minating such interest, has been	approved by the Division.	
	1/		ı	OPERATOR CERTIFICATION
	X			I hereby certify that the information
1			!	contained herein in true and complete to the
- 22	イ芸器			best of my browledge and belief.
				Signature/
	i		i	13/13 hand
	- 142 h	/	;	Printed Name
	<u> </u>	~		- B.D. Shaw
11.17		ļ	i	Position
	<i>\</i>		1	Ham Supv.
-			i	Company
5/			i	Date Prod.
			İ	4-17-89
	ļ	22	Į.	SURVEYOR CERTIFICATION
/		/ 		_ SURVETOR CERTIFICATION
	! /		f	I hereby certify that the well location shown
	!/		<u>ļ</u>	on this plat was plotted from field notes of actual surveys made by me or under my
/095 <u>'</u> -	- ⊚ }∕		ļ	supervison, and that the same is true and
				correct to the best of my knowledge and
/				balief.
			I I	Date Surveyed April 12, 1989
7	7-1			
	086.		i	Professional Street by U. VAA
	6		j	G MEXICO
	11 /		i	() () () () () () () () () ()
			i .	Gary Sann 16
			İ	Gary 1 Vann 10
				7016
				7016 TOTAL THE
330 660 99	90 1320 1650	1980 2310 2640 2	000 1500 1000 500	* SSSIONN



*See Instructions on R	leverse Side	Sam
CONDITIONS OF APPROVAL, IF ANY:		
APPROVED BYTITLE		DATE
SIGNED STATE ST. S (This space for Federal or State office use)	taff Admin. Supv	DATE 12/18/89
18. I hereby certify that the foregoing is true and correct		
	(3)3	
		N. DIV.)
		5 1990
		- IUJ
115. On <u>1</u>	°7 - Deci	EIAEW
Rig Released at 065 hrs. on 929	89	
surface. Circulated		good cement to the
casing at $2864'$. Cemented with $\frac{7}{2}$	# K55 500 5x C1 Blead	production in, tail w/1005x (1.B)
Pressure tested casing to 1500 psi	irculated 20 . Drilled a 8	BBLS to the surface. 3/4 " hole to a TD
	e casing at 25°	Cemented with
Spud a $\frac{12/4}{}$ surface hole on $\frac{9/20/80}{}$	at <u>2015</u> hr	es. Drilled to 259
nent to this work.) •		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent deta proposed work. If well is directionally drilled give subsurface locations of	Completion or Recompleti	on Report and Log form.)
REPAIR WELL CHANGE FLANS	(Other) Spud and	ABANDONMENT* Multiple completion of Well
FRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CARING
TEST WATER SHUT-OFF PULL OR ALTER CASING	BUBBEQUEN WATER SHUT-OFF	NT REPORT OF:
Check Appropriate Box To Indicate Nature		
30-045-27461 6271'GR.		SanJuan 1 n. Mex
14. FERMIT NO. 15. ELEVATIONS (Show whether DF, RT, G	r, etc.)	DC, 22, 13/N, K9W 12. COUNTY OR PARISH 13. STATE
1980'FSL, 1095'FWL NW/SW	[*]	11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA
See also space 17 below.) At surface	requirements.*	asin Fruitland Coal Gas
P. O. Box 800 Denver, Colorado 80201 1. LOCATION OF WELL (Report location clearly and in accordance with any State		2
Amoco Production Company ATTN: J.L. H		Riddle B
OIL GAB WELL OTHER COAL SLAM 2. NAME OF OPERATOR		8. FARM OR LEASE NAME
(Do not use this form for proposals to drill or to deepen or plug back to Use "APPLICATION FOR PERMIT-" for such proposal i.	<u> </u>	7. UNIT AGREEMENT NAME
SUNDRY NOTICES AND REPORTS ON		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
BUREAU OF LAND MANAGEMENT	verse side)	5. LEASE DESIGNATION AND SERIAL NO. NDN-012647
Form 3160-5 (November 1983) (Formerly 9-331) UNITED STATES DEPARTMENT OF THE INTERIOR	SUBMIT IN TRIPLICATES (Other Instructions on re-	Budget Bureau No. 1004-0135 Expires August 31, 1985
		Form approved.

TABULATION OF DEVIATION TESTS

* * AMOCO PRODUCTION COMPANY * *

<u> DEPTH</u> 245' 725'	DEVIATION 1/4 D	
1602' 2092' 2592'	1/40	RECEIVED
2592' 2866'	10	FEB21 1990 OIL CON. DIV. DIST. 3

AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge, the above tabulation details the deviation tests taken on AMOCO PRODUCTION

Riddle BI#2 NW/SW Sec. 22,T3/N,R9W San Juan County, New Mexico

Signed Clburton

Title R. Mamin. Malyot

THE STATE OF COLDRADO!)

COUNTY OF DENVER

BEFORE ME, the undersigned authority, on this day personally appeared appeared may Burton known to me to be A.

BEFORE ME, the undersigned authority, on this day personally appeared who Burton known to me to be who the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN to before me, a Notary Public in and for said County and State this ______ day of _______, 19 ______.