(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ CONDITIONS OF AI PROVAL, IF ANY:

PERMIT NO. \_

### SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

DATE July 15, 1977

DATE \_

UNITED STATES
DEPARTMENT OF THE INTERIOR

ns on Budget Bureau No. 42-R142

4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  12. COUNTY OR PARISH 13. STATE	•	DELAKTMENT	OI THE INT	LICION		5. LEASE DESIGNATION	AND SERIAL NO.
A TYPE OF WELL  OTHER  DEEPEN   PLUG BACK   TOWN AGREEMENT NAME   TOWN OF WILL   OTHER   SHARE OF LEASE NAME   TOWN AGREEMENT NAME		GEOLOG	SICAL SURVEY				
DEPEN DEPEN PLUG BACK TO THE ANNOE WELL OF WHEN WELL OF ANNOE WELL OF OVERATOR WELL OF OVER	APPLICATION	FOR PERMIT T	O DRILL, DEI	EPEN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
DITTED OF WELL  ONE OF THE OF WELL  ONE OF DEPARTOR  AMOCO PRODUCTION COMPANY  ADDRESS OF OPERATOR  NUMBER OF DEPARTOR  AND OF DEPARTOR  105 FRI. \$ 1120 FELL, Section 23, T-28-N, R-4-W  At surface  1055 FRI. \$ 1120 FELL, Section 23, T-28-N, R-4-W  At proposed product  5. DEATHOR FROM NOR NOR NOR FOST OFFICE*  1050 FRI. \$ 1120 FELL, Section 23, T-28-N, R-4-W  AT PROPERTY OF LEAST LINE, FRANCE FROM NEAREST TOWN OR FOST OFFICE*  1050 FRI. \$ 1120 FELL, Section 23, T-28-N, R-4-W  AT PROPERTY OR LEAST LINE, FROM NEAREST TOWN OR FOST OFFICE*  1050 FRI. \$ 1120 FELL SECTION 23, T-28-N, R-4-W  AT PROPERTY OR LEAST LINE, FROM NEAREST TOWN OR FOST OFFICE*  1050 FRI. \$ 1120 FELL SECTION 23, T-28-N, R-4-W  AT PROPERTY OR LEAST LINE, FROM NEAREST TOWN OR FOST OFFICE*  1050 FRI. \$ 1120 FELL SECTION 23, T-28-N, R-4-W  AT PROPERTY OR LEAST LINE, FROM NEAREST TOWN OR FOST OFFICE*  1050 FRI. \$ 1120 FELL SECTION 23, T-28-N, R-4-W  AT SHEED SECTION OF WELL SECTION 13, T-28-N, R-4-W  AT SHEED SECTION OF WELL SECTION 13, T-28-N, R-4-W  AND STATEST PROPERTY OR LEAST LINE, FROM NEAREST TOWN OR FOST OFFICE*  1050 FRI. \$ 1120 FELL SECTION 13, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT 13, SECTION 13, NO. OF AGENT IN LEAST LINE, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT 13, SECTION 13, NO. OF AGENT IN LEAST LINE, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT 13, SECTION 13, NO. OF AGENT IN LEAST LINE, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT 13, SECTION 13, NO. OF AGENT IN LEAST LINE, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT ASSESSMENT LINE, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT ASSESSMENT LINE, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT ASSESSMENT LINE, T-28-N, R-4-W  AND STATEST PROPERTY OF AGENT LINE, T-28-N, R-4-W		. 🗆	DEEDENI 🗆	DI IIC DAC	CV []	7. UNIT AGREEMENT N	AME
OIL WEIL OTHER SINGE NAME OF DERIVER OTHER SONS SONS SONS SONS SONS SONS SONS SON		_L 🕱	DEEPEN L	PLUG BAC			
NAME OF OPERATOR  ADMORD PS SDUCTION COMPANY  ADMESS OF OPERATOR  AND OPERATOR  AND OPERATOR  AND OPERATOR  AL SUFFACE OF ARMINICTON, NEW MEXICO 87401  10. FIELD AND FOOL OR WILDCAY  AL SUFFACE OF WALL, (Report location clearly and in accordance with any State requirements.*)  At proposed prod zone  At sufface 1065 PSL & 1120 PKL, Section 23, T-28-N, R-4-W  At proposed prod zone  5.824  BY 11. SEC. T. S. H. O. S. P. S.	OIL GAS			SINGLE MULTIPE	re 🗀 📙	8. FARM OR LEASE NA	yon Unit
ANDERS OF DEFEATOR  AND ALRE ORT DETTE. PARMINGTON. NEW MEXICO. 87401  LOCATION OF WELL (Report location clearly and in secondance with any State requirements.)  At surface  1065 FSL & 1120 FKL, Section 23, T-23-N, R-4-W  At proposed prof zone  LUNTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FORT OFFICE.  Bulles SR of Cobernader  D. DIRTANCE FIRM ISOTORE'  D. DIRTANCE FIRM ISOTORE'  D. DIRTANCE FIRM ISOTORE'  D. DIRTANCE FIRM PROPOSED LOCATION'  D. DIRTANCE FIRM PROPOSED LOCATION'  AS DIRTANCE FIRM PROPOSED LOCATION'  OR APPLIED NO. OF FREE AS ABRONDA  TO THIS WALL.  160  AS SOOR AS PERSING. PT.  (Also to neared dig. until line, if any)  165 *  S. DIRTANCE FIRM PROPOSED LOCATION'  OR APPLIED NO. OF FREE ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF FREE ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF FREE ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF THIS LEASE  17. NO. OF ACRES ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF THIS LEASE  17. NO. OF ACRES ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF THIS LEASE  17. NO. OF ACRES ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF THIS LEASE  17. NO. OF ACRES ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF ACRES ABRONDA  TO THIS WALL.  160  OR APPLIED NO. OF ACRES ABRONDA  TO THIS WALL.  16. NO. OF ACRES IN LEASE  17. NO. OF ACRES ABRONDA  TO THIS WALL.  16. NO. OF ACRES ABRONDA  TO THIS WALL.  17. NO. OF ACRES ABRONDA  TO THIS WALL.  16. NO. OF ACRES IN LEASE  17. NO. OF ACRES ABRONDA  TO THIS WALL.  10. PROPOSED CASTER  TO THE WALL.  10. PROPOSED CASTER  TO THE ART OF THE MALE TO THE MALE TO THE WALL.  AS SOUR AS PROPOSED CONTROL OF THE TABLE TO THE MALE TO THE WALL.  AS SOUR AS PROPOSED CONTROL OF THE TABLE TO THE MALE		LE CE OTHER		ZONE LEE ZONE			
16 STATE DETAINS TO WELL (Report location clearly and in accordance with any State requirements.)  10. FIRED AND POOL, OR WILDOAN  11. SEC. T. R. W. W. OR BLEX.  21. SERVE MESS MED DERECTION FROM NEAREST TOWN OR POST OFFICE*  12. COURT OR FARISH 13. STATE  12. COURT OR FARISH 13. STATE  12. COURT OR FARISH 13. STATE  13. NO. OF ACRES IN LEASE  17. NO. OF ACRES ASSISSIONATE  18. NO. OF ACRES IN LEASE  17. NO. OF ACRES ASSISSIONATE  18. NO. OF ACRES IN LEASE  17. NO. OF ACRES ASSISSIONATE  18. NO. OF ACRES IN LEASE  17. NO. OF ACRES ASSISSIONATE  18. NO. OF ACRES IN LEASE  18. NO. OF ACRES IN LEASE  19. PROPOSED DEFTH  20. ROTATY OR CABLE FOOLS  10. FIRE AND SHAPE TO ACRES  10. PROPOSED DEFTH  20. ROTATY OR CABLE FOOLS  10. PROPOSED DEFTH  20. ROTATY OR CABLE FOOLS  10. PROPOSED DEFTH  20. ROTATY OR CABLE FOOLS  10. PROPOSED CASING AND CEMENTING PROGRAM  10. FIRE AND ONLY OR CABLE FOOLS  10. PROPOSED CASING AND CEMENTING PROGRAM  11. SEC. T. R. W. OR BLEX.  12. COURT OR FRAISH 13. STATE  13. STATE  14. SEC. OR ACRES IN LEASE  15. NO. OF ACRES IN LEASE  16. NO. OF ACRES IN LEASE  17. NO. OF ACRES ASSISSIONATE  18. SEC. OF ACRES IN LEASE  10. PROPOSED CASING AND CEMENTING PROGRAM  10. PROPOSED CASING AND CEMENTING PROGRAM  11. SEC. T. R. W. OR BLEX.  12. COURT OR FRAISH 13. STATE  13. STATE  14. SEC. OF ACRES IN LEASE OF ACRES IN	AMOCO PRODU	CTION COMPANY			-	9. WELL NO.	
LOCATION OF WELL. (Report location clearly and in accordance with any State requirements.)  At surface  1065 FSL & 1120 FKL, Section 23, T-28-N, R-4-W  At proposed prof zone  1. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  1. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DISTANCE IN MILES AND DISTANCE		NA AVEN VINE AMERICA				16	
At proposed prod zone  1. DINTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  2. DINTANCE PRODUCE TO THE BOTOSED PROTECTION FROM NEAREST TOWN OR POST OFFICE*  2. DINTANCE PRODUCE TO THE BOTOSED PROTECTION FROM NEAREST TOWN OR POST OFFICE*  3. DISTANCE PRODUCE TO THE BOTOSED PROTECTION FROM NEAREST TOWN OR POST OFFICE*  3. DISTANCE PRODUCE TO THE BOTOSED BOT	501 AIRPORT	DRIVE. FARMING	TON. NEW MEX	ICO 87401			OR WILDCAT
At proposed prod zone  Same  Distance in Milbs and disection from nearest fown or post office*  Same  Distance from Hold Size of Cohernader  Distance from Hold Size of Cohern	LOCATION OF WELL, (Re At surface	port location clearly and	in accordance with a	ny State requirements.*)	_	Chosa Mesa P	ictured Cliff
DISTANCE IN MILES SK of Cobernador  A miles SK of Cobernador  DISTANCE FROM PROPOSED LOCATION TO NEERST PROPERTY OR LEASE FOOD PROPOSED LOCATION TO NEERST PROPERTY OR LEASE LINE, PT.  LOCATION TO NEERST PROPOSED LOCATION TO THIS WELL STAR TO APPEAR OF SOIT HER LEASE PT.  LEEVATIONS (Show whether DF, RT, GR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT  12-1/4" 8-5/8" 248 300' 225 sz  6-1/4" 4-1/2" 9-34 4390' 1040 sz  The above well is being drilled to further develop the Chora Hees Pictured Cliffs Pield. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Planting by NTL-6.  LEADY SPACE DESTRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new product one. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	1065	FSL & 1120 FKL,	Section 23,	T-28-N, R-4-W		II. SEC., T., R., M., OR I AND SURVEY OR A	BLK. REA
B tiles SK of Cobernader    B tiles SK of Cobernader   12. COUNT OR PARISH   13. STATE	At proposed prod zone					SE/4 SE/4	Section 23
Builes SK of Cobernader  Distance From Heropose Trong Heropose (Colored States)  Distance From Heropose (The Heropose)  Location to nearest drig, until line, if any)  (Also to nearest drig, until line, if any)  To THIS WELL  SIESTANCE FROM PROPOSED LOCATION*  TO NARREST WELL, DeliLine, Completene, or any color of the Lasse, pr.  Relevations (Show whether DF, RT, GR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  BUZ OF HOLE  SIES OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF CEMENT  12-1/4*  S-5/8"  4-1/2"  9-35  ASSOVE SPACE DES THEE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new product one. If proposal is to deiple or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow  The IT proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow  NABOVE SPACE DES THEE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new product one. If proposal is to deiple or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	Same	NO DIRECTION FROM NEAD	EST TOWN OF POST OF	rrice*		T-28-N. R-4-	1 12 STATE
16. No. OF ACRES IN LEASE  LOCATION TO PREEST TO BEIEST  FORDER TO RELEASE PT.  TO HIS WELL  16. NO. OF ACRES IN LEASE  17. No. OF ACRES ASSIGNED  TO THIS WELL  16. NO. OF ACRES ASSIGNED  TO HIS WELL  17. No. OF ACRES ASSIGNED  TO THIS WELL  17. No. OF ACRES ASSIGNED  TO THIS WELL  18. NO. OF ACRES ASSIGNED  TO THIS WELL  18. NO. OF ACRES ASSIGNED  TO THIS WELL  19. FROPOSED DEPTH  20. ROTARY OR CABLE TOOLS  20. ROTARY OR CABLE TOOLS  AS SOOR AS PERMITTED  12-1/A"  8-5/8"  24. 300'  22. ATABLE DEPTH  QUANTITY OF CEMENT  12-1/A"  9-1/4"  9-1/4"  1040 SX  The above well is being drilled to further develop the Choza Hees Pictured  Cliffs Field. The well will be drilled with a low solids non-dispersed mud  system. Completion design will be based on open hole logs. This acreage  is not dedicated. Attached is a Development Plant of the Choza Hees Pictured  10. Completion design will be based on open hole logs. This acreage  is not dedicated. Attached is a Development Plant of the Choza Hees Pictured  10. Completion design will be based on open hole logs. This acreage  10. 10. OF ACRES INC.  10. NO. OF ACRES INC.  10. ABOVE DEATH INC.  10. OF ACRES INC.  10. OF A	:. DISTANCE IN MILES AT	AD DIRECTION PRODURENT	Z	<del></del>	1		
LOCATION TO NEAREST PROPERTY OR ELENE LINE LINE LINE (Also to nearest drig, unit line, if any)  (Also to nearest dright	5. DISTANCE FROM FROPOS	of Cobernador	16	. NO. OF ACRES IN LEASE	17. NO. OF		New Harico
S. DISTANCE PROM "GROPOSED LOCATION" TO NEARST WELL, DELILING, COMPLETED, OR APPLIED FOR, OIL THIS LEASE, FT.  1. ELEVATIONS (Show whether DF, RT, GR, etc.)  3. PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF CEMENT  12-1/4"  3-5/8"  245  300'  225 ex  4390'  The above well is being drilled to further develop the Choza Hesa Pictured Cliffs Heid. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plantage by NTL-6.  NABOVE SPACE DES'RIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	LOCATION TO NEAREST PROPERTY OR LEASE LI	NE, FT.			то тні	S WELL 1	.60 —
TO MEAREST WELL, DELLLING, COMPLETED, OR APPLIED TOOR, OIT THE LEASE, PT.  L. ELEVATIONS (Show whether DF, RT, GR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF CEMENT  12-1/A"  5-5/8"  246  300'  225 sz  6-1/A"  4-1/2"  9-54  4390'  The above well is being drilled to further develop the Choga Hees Pictured Cliffs Field. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plan (1977)  ABOVE SPACE DES'RIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	S DISTANCE FROM PROPO	SED LOCATION*	1065"		20. ROTARY	OR CABLE TOOLS	
RELEVATIONS (Show whether DF, RT, GR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT  12-1/A' 9-5/8'' 2/AF 300' 225 ax  6-1/A'' 9-5/ 4390' 1040 ax  The above well is being drilled to further develop the Chora Haesa Pictured Cliffs Field. The well will be drilled with a lew solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plantised by NTL-6.  RABOVE SPACE DES 'RIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new product me. If proposal is to deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	TO NEAREST WELL, DR	ILLING, COMPLETED,	_				
PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT  12-1/4" 8-5/8" 248 300' 225 ex			2065	4390"		ZZ. APPROX. DATE WO	OBK WILL START*
SIZE OF HOLE  SIZE OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF CEMENT  12-1/4"  8-5/8"  245  300'  225 ex  4-1/2"  9-35  A390'  The above well is being drilled to further develop the Choza Heesa Pictured  Cliffs Field. The well will be drilled with a low solids non-dispersed mud  system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plantage by NTL-6.  GET VE  ABOVE SPACE DES RIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow							
The above well is being drilled to further develop the Choza Hesa Pictured Cliffs Field. The vell will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plantaged by NTL-6.  Cabove space describe proposed program: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	<del>, 7306 GL est</del>	P	ROPOSED CASING	AND CEMENTING PROGRA	AM	AS SUUL ES P	WARALLE U
The above well is being drilled to further develop the Choza Mesa Pictured Cliffs Field. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plantaged by NTL-6.  **ABOVE SPACE DESTRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow		OIGH OF GLEING	BUDICUM DEU PAAT	OFTINO DEPTH	ì	OHANTINY OF CEMP	N/II
The above well is being drilled to further develop the Choze Hees Pictured Cliffs Field. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plan transfer by NTL-6.  GEIVE  ABOVE SPACE DES RIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow					-		
The above well is being drilled to further develop the Chosa Hosa Pictured Cliffs Field. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plantage by NTL-6.  Solve of the Chosa Hosa Pictured of the Chosa Pictured of the Ch					-		
Cliffs Field. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. This acreage is not dedicated. Attached is a Development Plan Control by NTL-6.  See Above space destribe proposed program: If proposal is to deepen or plug back, give data on present productive zone and proposed new productione. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	<del></del>	41/2"	9.5#	4390'		1040 sx	
ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new production.  The proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow	Cliffs Fiel system. Co	d. The well wi impletion design	il be drille will be bee	ed with a low soli ed on open hole l opment Plan Facul	ids non- logs. T	dispersed and his acreage NTL-6.	
	one. If proposal is to dereventer program, fany	drill or deepen directiona	proposal is to deepen lly, give pertinent da	or plug back, give data on p	resent produ	ctive zone and proposi	ed new productive hs. Give blowout

APPROVAL DATE ...

TITLE \_

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either

a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form

and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local

applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

State or Federal office for specific instructions.

be obtained from, the local Federal and/or State office.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, glow-

ing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices. Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone. Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

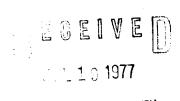
★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

All distances must be from the outer boundaries of the Section.

Operator			Lease	· · · · · · · · · · · · · · · · · · ·		Well No.
Amoco Production Company			Valenci	a Canyon Unit	16	
Unit Letter	Section	Township	Range	County		
P	23	28N	ЪМ	Ric	o Arriba	
Actual Footage Loc						
1065	feet from the	South 1	ine and 1120	feet from the		line
Ground Level Elev.	Producing F		Pool	. Di 1 C		Dedicated Acreage:
7306		ed Cliffs		a Pictured C		160 Acres
1. Outline th	e εcreage dedi	cated to the sub	ect well by colored	. pencil or hachu	re marks on the	e plat below.
interest a	nd royalty).					ereof (both as to working
dated by o	com nunitization	, unitization, forc	e-pooling. etc?		e interests of	all owners been consoli-
Yes	No If	answer is "yes,"	type of consolidati	on		
		e owners and tra	ct descriptions which	h have actually	been consolida	ted. (Use reverse side of
	f necessary.)	and to the well w	ntil all interests ha	ve been consolic	lated (by com	nunitization, unitization,
No allowal	ble will be assi	gned to the well to	ntii aii interests na standard unit, elimir	ve been consond ating such intere	ests, has been	approved by the Commis-
sion.	ing, or otherwis	se, or until a non-	dinadia unit, oiimii	army suon moore	, 200n	
					<del></del>	
	1		! 			CERTIFICATION
	ļ I		į			of deal thoughton
	ļ I		Ì			ertify that the information con-
	i t		1		l i	ein is true and complete to the knowledge and belief.
	i I				Des. 0,	\ \
	i i	Asset .	1877		1 . L	tamba
	1				Name	
	+				Position	L. KRUPKA
						EA ENGINEER
	ŀ				Company	EA ENGINEER
	l i		`			PRODUCTION COMPANY
	i				Date	
1	1				Jui	LY 15, 1977
		Sec		<b>.</b>	1	
	1	2;	3			
	l		1			certify that the well location
	l		1		'	this plat was plotted from field
	! !		1			actual surveys made by me or supervision, and that the same
	1		1		1	and correct to the best of my
 4	TO BILLY E	<u> </u>	1		1	e and belief.
ما ما					-	
	1 .077	•	1 4	1120'		William .
-:	, 4 1 1277		i (	) !	Date Survey	ed
	ĺ	. Y	i			16, 1977
· .	Garager 200	4 L 1	់ ភ	1		Professional Engineer
	1 "		1,89		and/or Land	surveyor W
	l l		1	i i	Lieu	Tom In
L				<u> </u>	Certificate	No. Kerr Jr.
			2000 1500	1000 500	3950	

# VALENCIA CANYON UNIT NO. 16 1065 FSL & 1120 FEL, SECTION 23, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO CERTIFICATION

I hereby certify that I, o	r persons under my direct supervision,
have inspected the propose	d drillsite and access route, that I
am familiar with the condi	tions which presently exist; that the
statements made in this pl	an are, to the best of my knowledge,
true and correct; and, tha	t the work associated with the operations
	rformed by Amoco Production
Company and	its contractors and sub-contractors in
conformity with this plan	and the terms and conditions under which
it is approved.	
	0 - 0 -
	S.O. Spen ga.
	08
	**
JULY 12, 1977	AREA SUPT.
Date	Name and Title





## DEVELOPMENT PLAN VALENCIA CANYON UNIT NO. 16 1065 FSL & 1120 FEL, SECTION 23, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

The proposed location has big sagebrush and various grasses with occasional pinon trees. The geological name of the surface formation is the Paleozoic San Jose. A new road 4200' will be required. No construction materials will be used for building the location; dirt will be leveled at the well site. Verbal approval of the drill site has been obtained from Mr. Dick C. Cooke, U. S. Forest Service; Mr. Jerry Long, USGS; and Ms. Dabney Ford, Archaeologist.

Arrangements are being made to haul water from Carrizo Wash or from the El Paso water hole on existing roads, approximately ten miles. Drilling fluid to TD will be a low solids non-dispersed mud system. Upon completion the location will be cleaned up and leveled. Drilling mud and water will be hauled away and the reserve pit backfilled. Attached is the seeding plan to be followed for this well.

There are neither airstrips nor camps in the vicinity.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	4195'	+3110 '
Lewis Shale	4345'	+2960 '

Estimated KB elevation: 7306'

Est. Depth	Csg. Size	Weight	<u> Hole Size</u>	Sacks Cement - Type
300' 4390'	8-5/8" 4-1/2"	24# 9.5#	12-1/2" 7-7/8"	175 sx - Class "B", 2% CaCl <sub>2</sub> . 990 sx - Class "B", 6% Gel, 2# Med. Tuf Plug/sx. 50 sx - Class "B" Neat.

Amoco's standard blowout prevention will be employed, see attached drawing for blowout preventer design.

Amoco plans to run the following logs: from 300' to TD, Induction-Electric; from 2470' to TD, Density-Gamma Ray. No cores or Drill Stem Tests will be taken.

In the past, drilling in this area has shown that no abnormal pressure, temperatures or hydrocarbon gas will be encountered.

We will start operation as soon as well is permitted, and a two-week operation is anticipated.

10 1977

H. C. CSOLOGICAL SURVEY

### SEEDING PLAN

### 1. TIME:

All seeding will take place between July 1, and September 15, 1978, or as required by the U. S. Forest Service.

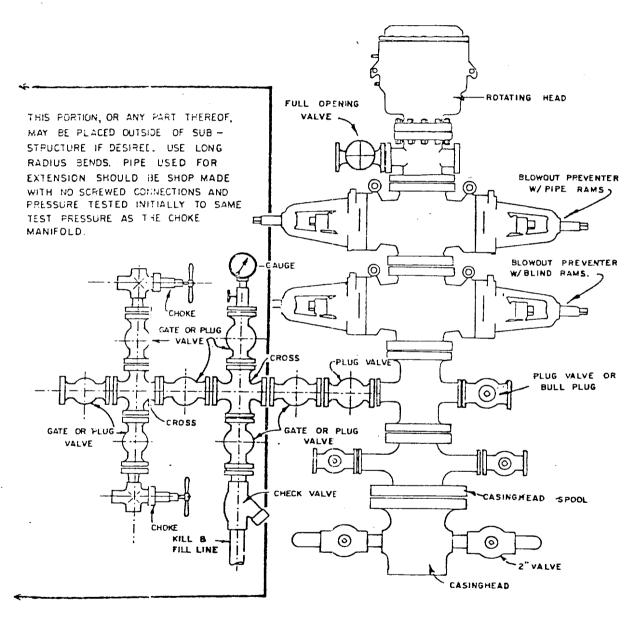
### 2. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, no up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

## 3. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

Crested Wheatgrass	0.71 lbs.
Russian Wild Rye	0.86 lbs.
Perennial Rye Grass	0.57 lbs.
Western Wheatgrass	1.43 lbs.
Smooth Brome	1.14 lbs.
Intermediate Wheat	0.91 lbs.
Pubescent Wheatgrass	1.09 lbs.
Orchard Grass	.298 lbs.





BLOWOUT PREVENTER HOOKUP

E VE FXHIBIT D-4

1.10 1977

OUR PURGIONE SURVEY

