				<u> </u>				
Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies	Energy,	t	Form C-101 Revised 1-1-89					
DISTRICT I P.O. Box 1980, Hobbs, NI DISTRICT II	OIL (M 88240	30-0	API NO. (assigned by OCD on New Wells) <u>30</u> - 025-31924 5. Indicate Type of Lease					
P.O. Drawer DD, Artesia, DISTRICT III	NM 88210				TATE X FEE			
1000 Rio Brazos Rd., Azte	ec, NM 87410			V-35				
	TION FOR PERMIT T	O DRILL, DEEPEN, C	R PLUG BACK					
1a. Type of Work:		· · · · · · · · · · · · · · · · · · ·		7. Lease Name or Unit A	greement Name			
DRILL X RE-ENTER DEEPEN PLUG BACK DEEPEN COmanche 16" State								
2. Name of Operator				8. Well No.				
Mitchell Ene	rgy Corporation			. 1				
3. Address of Operator P. O. Box 40	00, The Woodland	ls, Texas 77387-	-4000	9. Pool name or Wildcat West-Tec	Har mesa. (Morrow)			
4. Well Location Unit Letter	E : <u>1980</u> Feet Fr	rom The <u>North</u>	Line and	660 Feet From The	West Li			
Section 16	Towns	hip 21S Ran	ge 33E	NMPM	Lea County			
\//////////////////////////////////////		10. Proposed Depth		1. Formation	12. Rotary or C.T.			
	///////////////////////////////////////	11110	,700 •	Morrow	Rotary			
13. Elevations (Show wheth 382	er DF, RT, GR, etc.) 1 6 GR	4. Kind & Status Plug. Bood Blanket on File	15. Drilling Contra	ctor 16. Approx.	Date Work will start			
17.	PR	OPOSED CASING AN	D CEMENT PRO	GRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTI		EST. TOP			
26*	20"	94‡	500	Lite + Class A	Surface			
17-1/2"	13-3/8"	68‡	3850	Lite + Class H	Surface			
12-1/4"	8-5/8"	32#	5500	Lite + Class H	5300'			
7-7/8"	5-1/2"	17#	TD	50/50 POZ	9000'			

Mitchell proposes to drill to a depth sufficient to test the Morrow formation for gas. If productive, 5½" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with State of New Mexico regulations. Blowout preventer schematic attached as Exhibits 1 & 1A.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

· · ~	ormation above is true and complete to the best of my know	•	Reg. Affairs Specialist	DATE 03-09-93
TYPE OR PRINT NAME	George Mullen			TELEPHONE NO. (713) 377-5855
(This space for State Use)	iginal Shenning by Jerry Sexton			
APPROVED BY	NATINGT I SUPERVISOR	TTLE	······································	APR 1 2 1993
CONDITIONS OF APPROVAL	FANY:			

Permit Expires 6 Months From Attentival Date Unless Drilling Underway

JAINIMUM BLOWOUT PREVENTER REQUIREMENT.

5,000 psi Working Pressure

5 MWP

EXHIBIT 1 Comanche "16" State No. 1 Lea County, New Mexico

STACK REQUIREMENTS Min. Min.

No.	ltem	Min.	Min. Nominal
1	Flowline		
2	Fill up line		2″
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically operated rams		
6a	Drilling spool with 2" min. kill line and 3" min. choke line outlets or		
6b	2" minimum kill line and 3" minimum choke line outlets in ram. (Alternate to 6a above.)		
7	Gate valve	3-1/8″	
8	Gate valve — power operated	3-1/8″	
9	Line to choke manifold		3″
10	Gate valves	2-1/16"	
11	Check valve	2-1/16″	
12	Casing head		
13	Gate valves	1-13/16"	
14	Pressure gauge with needle valve		
15	Gate Valve or Flanged Valve w/Control Plug	1-13/16″	
16	Kill line to rig mud pump manifold		2″

	OPTIONAL							
17	Roadside connection to kill line		2″					

CONTRACTOR'S OPTION TO FURNISH:

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- 1.All equipment and connections above bradenhead or casinghead.
- Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- 3.BOP controls, including control for hydraulically operated wing valve, to be located near drillers position with remote controls located away from rig floor.
- 4.Kelly equipped with Kelly cock and Hydril Kelly valve, or its approved equivalent.
- Hydril Kelly valve or its approved equivalent and approved inside blow-out preventer to fit drill pipe in use on derrick floor at all times.
- 6.Kelly saver-sub equipped with rubber casing protector at all times.
- 7.Extra set of pipe rams to fit pipe being used on location.
- 8.Plug type blowout preventer tester.
- 9. Type RX ring gaskets in place of Type R.

10.Outlet for Halliburton on kill line.

MEC TO FURNISH:

- 1.Bradenhead or casinghead and side valves.
- 2.Wear bushing, if required.

GENERAL NOTES:

- 1.Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- 2.All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers. Valves must be full opening and suitable for high pressure mud service.
- Controls to be of standard design and each marked, showing opening and closing position.
- 4. Chokes will be positioned so as not to hamper or delay changing of choke

beans. Replaceable parts for adjustable choke, other bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.

- All valves to be equipped with handwheels or handles ready for immediate use.
- 6.Choke lines must be suitably anchored.7.Handwheels and extensions to be con-
- nected and ready for use. 8.Valves adjacent to drilling spool to be
- kept open. Use outside valves except for emergency.
- 9.All seamless steel control piping (3000 psi working pressure) to have flexible joints to avoid stress. Approved hoses will be permitted.
- 10.Casinghead connections shall not be used except in case of emergency.
- 11.Do not use kill line for routine fill-up operations.
- Rig pumps ready for hook-up to BOP control manifold for emergency use only.

CONFIGURATION A



MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure

3 MWP - 5 MWP - 10 MWP

EXHIBIT 1-A Comanche "16" State No. 1 Lea County, New Mexico



		· · · · · · · · · · · · · · · · · · ·	MINI	MUM REQL	IREMENTS	5				
			3,000 MWP		5,000 MWP			10,000 MWP		
No.		I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
1	Line from drilling spool		3"	3,000		3″	5,000		3″	10,000
2	Cross 3"x3"x3"x2"			3,000			5,000			
	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gate 🗆 Piug 🗆 (2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000
4	Valve Gate 🗆 Plug 🗍 (2)	1-13/16"		3,000	1-13/16"		5,000	1-13/16*		10,000
4a	Valves(1)	2-1/16"		3,000	2-1/16"		5,000	3-1/8"		10,000
5	Pressure Gauge	1		3,000			5,000	· · · · · · · · · · · · · · · · · · ·		10,000
6	Gate □ Valves Gate □ Plug □(2)	3-1/8″		3,000	3-1/8″		5,000	3-1/8″		10,000
7	Adjustable Choke(3)	2"		3,000	2"		5,000	2″	1 1	10,000
8	Adjustable Choke	1″		3,000	1″		5,000	2"		10,000
9	Line		3″	3,000		3″	5,000		3"	10,000
10	Line		2″	3,000		2″	5,000		3"	10.000
11	Valves Gate ⊑ Plug ⊑(2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8″		10,000
12	Lines		3"	1,000		3″	1,000		3″	2,000
13	Lines		3″	1,000		3*	1,000		3"	2,000
14	Remote reading compound standpipe pressure gauge			3,000			5,000			10,000
15	Gas Separator		2'x5'			2'x5'			2'x5'	
16	Line		4"	1,000		4"	1,000		4"	2,000
17	Valves Gate Plug (2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8″		10,000

(1) Only one required in Class 3M.

(2) Gate valves only shall be used for Class 10M.

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- 3. All lines shall be securely anchored.
- 4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- 5. Choke manifold pressure and standpipe pressure gauges **shall** be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge **shall** be located on the rig floor in conjunction with the standpipe pressure gauge.
- 6. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using bull plugged tees.
- 7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.

BEYOND SUBSTRUCTURE

mit to Appropriate trict (Mice 'e Lease - 4 copies Lease - 3 copies

51RICT 1 2. Box 1980, Hobbs, NM 88240

STRICT II D. Drawer DD, Artesia, NM 88210

5JEICT III 10 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

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OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

10 Rio Brazos Rd.	, Azlec, NM	87410	All Dista	inces must be	from the outer	boundaries	of the section			
erator					Lease					Well No.
MITCHELL	ENERGY	Corpor	ation		COMAI	NCHE 16	STATE			#1
it Letter	Section		ownship		Range			Count	y	
Е	16			21S.	33E.	•	NMPM		LEA	
tual Frontage Loca	tion of Well:									-
1980	feet from th		NORTH	line and	660)	feet from	the	WES	Dedicated Acreage:
ound level Elev. 3826	м	Producing Fo lorrow			Pool W est	Teas (M	TMESCU Iorrow)			320 Acres
1. Outline	the acreage	dedicated to	the subject well	by colored per	cil or hachure n	arks on the p	lat below.			
2. If more	than one lea	se is dedicat	ed to the well, o	outline each and	identify the ow	nership therea	of (both as to work	ing inter	est and	royalty).
3. If more	than one lea	se of differe	nt ownership is	dedicated to the	well, have the	interest of all	owners been consc	lidated	by com	munitization,
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	Yes is "no" list th		d tract descripti	ons which have	actually been c	onsolidated.	(Use reverse side o	ł		
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