		N.	M. Oil Cons. !	istor			
Form 3160-3 (December 1990)			811 308 347 34	-?LICATE	* Form approved.		
(,	1U	NITED STATES	ARTESIA SPINSLINS	tructions on	Budget Bureau No. 1004-013		
	DEPARTME	ENT OF THE INTE		-2004	Expires: December 31, 1991		
		OF LAND MANAGEM			5. LEASE DESIGNATION AND SERIAL NO.		
APP			ENT		NM- 15868 9683		
In. TYPE OF WORK	LICATION FUR	PERMIT TO DRI	LL OR DEEPEN		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
DI							
b. TYPE OF WELL	_	DEEPEN 🛛			7. UNIT AGREEMENT NAME		
	Gas Well OTHER	RE-ENTRY	SINGLE MULT		23530		
2. NAME OF OPERATOR Mack Energy Cor			ZONE ZONE		8. FARM OR LEASE NAME, WELL NO. # 1		
3. ADDRESS AND TELEPHON		13837		ŀ	9. API WELL NO. 7 A COLOR 2		
					9. API WELL NO. 30-015-2409		
P.U. Box 900 Artes	sia, NM 88211-0960	(5)	05) 748-1288	ŀ	10 FIFLD AND POOL OD WILDOW		
4. LOCATION OR WE At surface	LL (Report location clearly	y and in accordance with an	iv state requirement.*)	Und Runding Abc			
		1650 FSL 2310 FWL	,	F	II. SEC., T., R., M., OR BLK.		
At proposed prod. 20)ne				AND SURVEY OR AREA		
4. DISTANCE IN MILES A	AND DIDECTION SPON NE	1650 FSL 2310 FWL	Unit K		Sec 25 T17S R27E		
····	0 5 mi	REST TOWN OR POST OFFIC	E*		12. COUNTY OR PARISH 13. STATE		
5. DISTANCE FROM PROF		iles east of Artesia			Eddy NM		
PROPERTY OR LEASE	LINE PT	330 -	OF ACRES IN LEASE	17. NO OF	ACRES IN LEASE		
8. DISTANCE FROM PROP	lg. unit line, if any)	CHP		TO THIS	WELL 40		
OR APPLIED FOR, ON TH	RILLING, COMPLETED	660 19. PR	OPOSED DEPTH	20. ROTARY	ARY OR CABLE TOOLS		
I. ELEVATIONS (Show v	whether DF, RT		6500		Rotary		
	3582 GR	LL CONTROLLEI	D WATER BASIN	Í	22. APPROX. DATE WORK WILL START*		
ι.					7/31/98		
SIZE OF HOLE	GRADE, SIZE OF CASING	PROPOSED CASING AND	CEMENTING PROGRAM	1			
17 1/2	13 3/8	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT		
11	8 5/8	48	423	UNIT	ESS 300sx		
	5 1/2, J-55	24	1949	JUNE	750sx		
7 7/8		17	6500		Circ		
Mack Energy	y Proposes to Reente	er this well as follows	: Rig up install BOP	, Drill out s	urface plug. Drill out Cement		
Mack Energy Ig @ 1200-1165, s 00-2950, 5230-508	y Proposes to Reente Squeeze perfs 1200-: 80, 6412-6222. Tag (20 w/50sx. Drill out C Cement plug @ 8238	CIBP plug @ 1350', E 8. Circulate hole w/ci	Drill out Cei	urface plug, Drill out Cement ment plugs 2000-1820, ng well and run 5 1/2 17#,		
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Mack Energy Ug @ 1200-1165, S 00-2950, 5230-508 55, LT&C Casing to rking pit and reserv BOVE SPACE DESCRIBE en directionally, give pertined SIGNED	PROPOSED PROGRAM: If protocology	20 w/50sx. Drill out C Cement plug @ 8238 ent Casing to Surface ed work. proposal is to deepen, give data and measured and true vertical	CIBP plug @ 1350', E Circulate hole w/cu Perf for commerci APPROVAL SUBJE GENERAL REQUI SPECIAL STIPULA ATTACHED on present productive zone at depths Give blowout preventer	Drill out Cel ut brine, Lo al producti ECT TO REMENTS ATIONS	ment plugs 2000-1820, 19 well and run 5 1/2 17#, on. Mack Energy requests a $P_{OS} \neq TD - 1$ SAND 7 - 24 - 98 R = -m xy Productive zone. If proposal is to drill or		
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*See Instructions On Reverse Side "itle 18 U.S.C. Section 1001, makes it a crime for any person knowingly and without the states any false of without a state of the states and false of the states and false of the states and false of the states and states



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WELL LOCATION AND ACREAGE DEDICATION PLAT

Supe - S Effe

All distances must be from the outer boundaries of	Inc	Section
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			All dista		om the outer botten				
Operator					Lease SPRU	CĿ-	t		Welt No.
-	ODUC	ING COMPAN	IY		RUTTER		RAL COM		2
				Range				•	
		25	175		27E		Ede	dv	
Actual Footage Lo	1 .				<u> </u>			<u>~1</u>	
		0			27101			Wast	14
1650		from the SOL		line and	2310'	te	eet from the	West	line Dedicated Acgeage;
Ground Level Elev	:	Producing Form	nation		Pool				
· 3582'		Que	en		Red_La	ke -	Q,Gb,SA		Net 40 Acres
					ll by colored , outline each				ereof (both as to working
dated by X Yes If answer this form No allowa	ian on commu is "r if nec uble w	e lease of di initization, u No If an agre ino,' list the essary.) ill be assigned	nitization swer is " eement i owners an ed to the v	, force-poolin yes,'' type of s being p d tract descr vell until all	ng. etc? f consolidation rocessed) riptions which interests hav	have	nmun i † i za actually bee consolidat	tion (for en consolida ed (by comm	all owners been consoli- mal communitization ted. (Use reverse side of munitization, unitization,
forced-po sion.	oling,	or otherwise)	or until a	non-standard	d unit, elimina	ting s	uch interest	s, has been	approved by the Commis-
	~	 			 			tained her	ertify that the information con- ein is true and complete to the knowledge and belief.
		9985' in	1982 by	-iginally / HOLLY EN	drilled to NERGY INC. EP FED COM	>		Company MWJ Pf	A. Knauf
		l MWJ						Deceml	ber 9, 1985
LWM			0					shown on notes of under my is true o	certify that the well facation this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my e and belief.
NM-1500	01	NM-1	5868	P	1				
1		Prod. Co.			 			Date Surve 1–20–	
	C 058	3181			 			Certificate	W. West
0 330 660		1320 (650 19	80 2310 2	640 200	0 1500	1000	500	676	

MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure 2 M will be used or greater 3 MWP - 5 MWP - 10 MWP

MACK ENERGY CORPORATION EXHIBIT #1-A



BEYOND SUBSTRUCTURE

			MINI	NUM REQU	REMENTS	}				
		1	3,000 MWP		5,000 MWP			10,000 MWP		
		1.0.	NOMINAL	RATING	1.0.	NOMINAL	RATING	I.D.	NOMINAL	RATING
No.		1.0.	3"	3.000		3*	5,000		3"	10,000
1	Line from drilling spool	J		3,000			5,000			
2	Cross 3"x3"x3"x2"			3,000						10,000
•	Cross 3"x3"x3"x3"		l							10,000
3	Valves(1) Gate C Plug C(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		
	Gate G	1-13/18"		3,000	1-13/16*		5,000	1-13/18*		10,000
	Flug Cit-	2-1/16"		3,000	2-1/16"		5,000	3-1/8*		10,000
48	Valves(1)	2-1/10		3,000			5,000			10,000
6	Pressure Gauge Gale C	3-1/8*		3,000	3-1/8*	1	5,000	3-1/8*		10,000
8	Valves Plug D(2)		.	2.000	2.		5,000	2"	1	10,000
7	Adjustable Chake(3)	2.		3,000	1.		5,000	2*		10,000
8	Adjustable Choks	1.		3,000	<u> </u>	3.	5,000	1	3.	10,000
9	Une		3"	3,000		2.	5,000		3.	10,000
10	Line		2*	3,000			5,000			
11	Gate D	3-1/8"		3,000	3-1/8*		5,000	3-1/8*	<u> </u>	10,000
		╺┼╌╌╌╴	3*	1,000		3*	1,000		3.	2,000
12	Lines		3.	1,000	1	3*	1,000		3*	2,000
13	Lines						5,000	•		10,000
14	Remote reading compound standpipe pressure gauge	ļ ·		3,000	<u></u>		0,000		2'×5'	
16	Gas Separator		2'x5'	1		2'x5'	+	. <u> </u>	4.	2,000
16	Line		4*	1,000	<u> </u>	4.	1,000			
10	Gate 🛛 🛛	3-1/8*	1.	3,000	3-1/8"		5,000	3-1/8*		10,000

(1) Only one required in Class 3M.

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

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

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable railing.
- 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 lungsten 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 it it is put then

2,000 psi Working Pressure

2 MWP

STACK REQUIREMENTS

No.	ltem		Min. I.D.	Min. Nominal
1	Flowline			
2	Fill up line			2*
3	Drilling nipple			
4	Annular preventer	<u> </u>		
5	Two single or one dual hy operated rams	ydraulically		
64	Drilling spool with 2" mir 3" min choke line outlets			2"Choks
6b	2" min. kill line and 3" m outlets in ram. (Alternate	in. choke line to 6a above.)		
7	Valve	Gate D Piug D	3-1/8*	
8	Gate valve-power oper	eted	3-1/8*	
9	Line to choke manifold			3*
10	Valves	Gate 🗆 Plug 🗅	2-1/16"	
11	Check valve		2-1/16*	ļ
12	Casing head			
13	Valve	Gate 🗆 Plug 🗆	1-13/16*	
14	Pressure gauge with nee	edle valve		
15	Kill line to rig mud pump	manifold		2*

CONFIGURATION A

MACK ENERGY CORPORATION

EXHIBIT #1-A



OPTIONAL					
16 Flanged valve	1-13/16"				

CONTRACTOR'S OPTION TO FURNISH:

- 1.All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2,000 psi, minimum.
- Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
 BOP controls, to be located near drillers
- position.
- 4.Kelly equipped with Kelly cock.
- 5.Inside blowout prevventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
 6.Kelly saver-sub equipped with rubber
- casing protector at all times. 7.Plug type blowout preventer tester.
- 8.Extra set pipe rams to fit drill pipe in use
- on location at all times. 9.Type AX ring gaskets in place of Type A.

MEC TO FURNISH:

1.Bradenhead or casinghead and side values.

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 up through chore. 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 connected and ready for use.
- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- 9. All seamless steel control piping (ZDOD psi working pressure) to have flexible joints to avoid stress. 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.



exhibit #1-a