Submit to Appropriate District Office
State Lease — 6 copies
Fee Lease — 5 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 **Revised 1-1-89**

DISTRICT

OIL CONSERVATION DIVISION API NO. (assigned by OCD on New Wells)

P.O. Box 1980, Hoobs, NM		8 87504-2088	30-045-29035			
DISTRICT II P.O. Drawer DD, Anesia, N		5. Indicate Type of Lease STATE FEE X				
DISTRICT III 1000 Rio Brazos Rd., Azier	c, NM 87410			6. State Oil & Gas Leas	e No.	
APPLICAT	ION FOR PERMIT T	O DRILL, DEEPEN, C	R PLUG BACK			
la. Type of Work:				7. Lease Name or Unit	Agreement Name	
b. Type of Well:	RE-ENTER		PLUG BACK	Redfern		
WELL GAS WELL	OTHER	SINGLE ZONE	X ZONE	135/4		
2. Name of Operator				8. Well No.	/ / 12	
Hallwood Peti	coleum, Inc. 🥠	812		1 - (1	1/520)-	
3. Address of Operator			#11/10	9. Pool name or Wildcan	land Conl	
	Blll, Denver, Co	olorado 8023/	71629	Basin Fruit	Talld Coal	
4. Well Location Unit Letter K	: 1688 Feet Fr	om The South	Line and 184	Feet From The	West Line	
Section 14	Towns	hip 29N Rar	ige 13W	NMPM San J	uan / County	
		10. Proposed Depth	//////////////////////////////////////	ormation	12. Rotary or C.T.	
		1600'	Fr	uitland Coal	Rotary	
13. Elevations (Show whether	. 1	4. Kind & Status Plug. Bond	15. Drilling Contractor		Date Work will start	
GR 5344', KB		Blanket B1595 23	· · · · · · · · · · · · · · · · · · ·		1/94	
		OPOSED CASING AN				
SIZE OF HOLE	SIZE OF CASING 8-5/8"	WEIGHT PER FOOT	SETTING DEPTH	175sx	T EST. TOP Surface	
7-7/8"	5-13"	15.5#	1600'	325sx	Surface	
	<u> </u>	13.5/				
8 $5/8$ " 24 # J-55 Class "B" cemen set $5\frac{1}{2}$ " 15.50 # 250 sx of lead coal interval a	casing at 250't. Drill 7-7/8 J-55 production cement and 75 s nd put well on	ses to drill a l , cementing back " hole out of su casing from 0-l x of Class "B" t beam pump to tes	to surface wit rface casing to 600'. Cement t ail cement. Pe t well.	h approximately 1600' with muco surface with rforate and fra	of 175 sx of all and approximately acture stimulate	
		a BOP system co	nsisting of a 🕻	haffer LSW 10"	3000# with	
pipe and blind	rams.	This Appr Expired 1/2 - And 1/7 N	<i>് - 1്ഴ്</i> ot Be	MESE Dec-8	3 V E U	
IN ABOVE SPACE DESC ZONE, GIVE BLOWOUT PREVI		Extagate RAM: IF PROPOSAL IS TO DEEPE	PC] N OR PLUG BACK, GIVE DATA C	N PRESENT BUILDING	D PO WE NEW PRODUCTIVE	
I hereby certify that the inform	nation above is true and complet	e to the just of my knowledge and	belief.	rig!	. 3	
SIGNATURE KUN	n E.O.Corne	<i>V</i>	u Drilling & Pr	od. Manager	DATE 12/6/93	
TYPE OR PRINT NAME ${ m Ke}$	vin O'Connell			(303)	тецерноме но. 850—7373	
(This space for State Use)			DEPLIYY ON A GAS	NSP2CYOR, DIST. #3) 2 · 9 · 9 3 DEC 0 9 1993	
APPROVED BY	1110 ()6	the to	TE-MAN AND OR OND	real Leven, Diol. 30	DATE	

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

Operator

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

Well No.

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

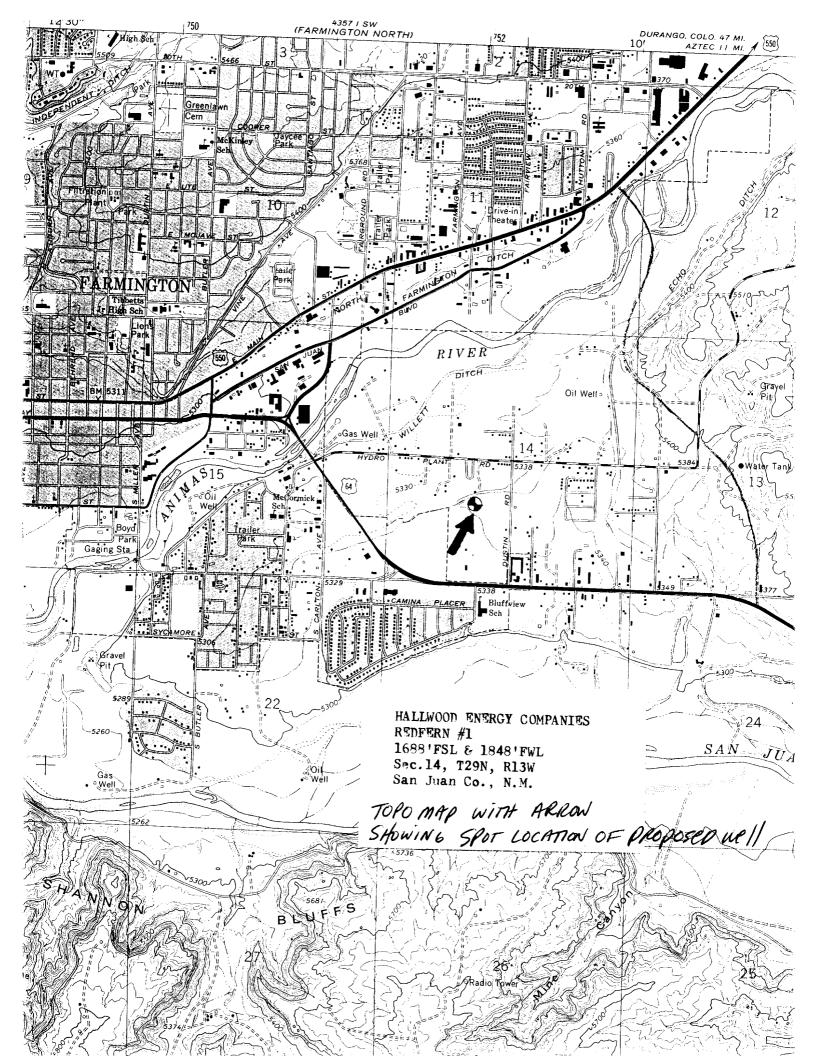
Lease

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

HALLWO	oon			R	EDFERN				1	
Unit Letter	Section	Township		Range	3.7			County		
K	14	29 1	N 		8 W		NMP	M San	Juan	
Actual Footage Loc 1688	ation of Well:	South		1 c	8 4 8				.	
	feet from the		line and		940	<u>f</u>	eet fro	m the Wes	Dedicated Acreage:	
Ground level Elev.		g Formation		Pool	in Fa	400	6	_		
				 			COM		(1 320) A	res
2. If more unitized answer this form No allow	te the acreage dedicated the than one lease is ded the than one lease of diffation, force-pooling, etc Yes Tris "no" list the owner of neccessary. Tribular in neccessary. Tribular in non-standard unit, elimine	ferent ownership is de c.? No If answ s and tract description	y colored per tline each and edicated to the er is "yes" ty us which have terests have b	identify the well, have to of consolid actually been consolid proved by the	ownership the interest of dation en consolidat	of all owners be ted. (Use reven	to wor en con se side	of OPERATI I hereby contained hereiv best of my knowl Signature Printed Name	oyalty). nunitization, g, or otherwise) OR CERTIFICAT certify that the in in true and compledge and belief.	TIO!
<u> </u>	 	(14)		OF	SPAC SPAC	ING	80.00cH.	Position DRLG. 4 Company HALLMOOD Date 12/6/9 SURVEY I hereby certify on this plat we actual surveys	O'CONNELL PRODUCTION N PETMOLEUM 3 OR CERTIFICA that the well locate as plotted from field made by me or	TIO: ion i no unde
1848	8891			houp DEC -	320	ש	NORTH	correct to the belief. 1 Date Surveyed William Signature & Se. Professional Signature	that the same is best of my know. 1 Nov.,1993 E. Mahnke Tof MAHNA MEHOLOGICA 8466	ledge
c ////////////////////////////////////	89°50'W	1111160.			f 3				32.2	



HALLWOOD GEOLOGICAL PROGNOSIS

A+4•	3		TABE METE	•	Turcrana coa.	<u> </u>
err wawe. Ded	fern #1		FIELD/LEA	SE:E	asin Fruitlar	nd
OCATION:SW/	. Coction 1		w (W/2 Spa	cing U	Jnit)	
OCATION: <u>SW/</u>	4 Section 1	4-1620 000	cmame.	Non	Mexico	
OUNTY: San	Juan		SIMIE	1164	THE REAL PROPERTY OF THE PROPE	WOLE: No
LEVATION: GR	5,340'	(Est.)	KB5	<u>,350′</u>	(Est.) TIGHT	HOLE: NO
	Depth	Datum		Remark	.s	
Formation Fruitland	1,185'	+4,165'				
Top of Coal	1,210'	+4,140'				
						·
						
Total Depth	1.6001	+3,750				
esting/Coring	: None					
					· · · · · · · · · · · · · · · · · · ·	
	-					
	m: <u>GR, FD</u> C	(high res	olution)			
Logging Progra						
Logging Progra						
	blems: N	one	·			
Logging Progra Known Area Pro	blems: N	one	·			
Logging Progra Known Area Pro	blems: N	one	·			
Logging Progra Known Area Pro	blems: N	one	·			
Logging Progra Known Area Pro Wellsite Geolo	blems: N	one	·			
Logging Progra Known Area Pro Wellsite Geolo	blems: N	one ger: <u>No</u>	ne Planned			
Logging Progra Known Area Pro Wellsite Geolo Remarks:	blems: N	one ger: No	ne Planned	Home		Office Phone
Logging Progra Known Area Pro Wellsite Geolo Remarks:	Position	ger: No	ne Planned	Home (915)	689-6963 (505)885-8764
Logging Program Known Area Pro Wellsite Geolo Remarks: Name Jeff Pickett Jim Bonavent Kevin O'Conr	Position t - Prod. Fotura-Area State	n Mobioreman (505) Prod Manac	ne Planned 1 Phone 5) 885-7020 6) 325-0492	Hom (915 (303 (303) 689-6963 (1) 247-9662 (1) 838-2191 (1	505)885-8764 303)259-1374 303)850-6303
Logging Progra Known Area Pro Wellsite Geolo Remarks:	Position t - Prod. Fotura-Area State	n Mobioreman (505) Prod Manac	ne Planned	Hom (915 (303 (303) 689-6963 (1) 247-9662 (1) 838-2191 (1	505)885-8764 303)259-1374

FORMS/GEOL.PROG.

DRILLING PROGNOSIS

	1ad Patrole	m. Inc.	DA	TE9/2:	3/93_	
OPERATOR Hal	IWOOD PECTOLES	1111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EPARED BY		
	fern #1 4 Section 14-	120N-D13W				
		ME Now Me	xico PR	OPOSED TO	1.6001	
COUNTY San Ju	ian 512	HIE HEM HE	7100			
TUBULAR PROGRAM						
HOLE CASIN	·	mo.	SIZE	WEIGHT	GRADE	CPLG
SIZE TUBIN		TO 250'	8-5/8"	24#	<u>J-55</u>	STXC
12-1/4" <u>CSG</u>		250*	0-3/0	63F_		
		1,600'	+ 1/2		K-55	LTXC
7-7/8" CSG			5/211	15.5		
MUD PROGRAM:						
	- Native mud.			- WT		ETC
Production ho	ole - Native m	ud with 45	5-50 viscos	ity for lo	ogging.	
CEMENT PROGRAM INTERVAL STAGE	EST. SLURRY VOLUME	S CHAR	SLURRY ACTERISTICS	EQUIPI CENTR	MENT: DV,	SCRATCHER HOE, ETC.
Surface Csq.	* 175 sx	Clas	ss "B"	One ce	ntralizer	on shoe it.
		Tood com	± /65.25\	Post follo	owed by	
Production C	sg.* 250 sx 75 sx	Class UR	# +ail ceme	nt	OWEG DY	
*Cement both s BIT PROGRAM: Footage cont	trings to surf	ace.				
TOOCAGE COME	1007 001.01.07					
DRILLING HAZAR			_			
Keep mud wei	ght under 9.5	ppg to mi	nimize any	chance of	lost circ	ulation.
DEVIATION SURV	EYS/PRODUCTION	PROBLEMS	:			
m=1c= mc+===*	******* 200 <i>f</i>					
Take Totco's	every 300'.					
WELLHEAD:		· · · · · · · · · · · · · · · · · · ·				····
3000 psi (mi	nimum) require	a				
						
SPECIAL EQUIPM	ENT/TECHNIQUE	· · · · · · · · · · · · · · · · · · ·				
SPECIAL PERSON	NEL REQUIREMEN	<u>NTS</u> :				
						
	-					
		·				