State of New Mexico Form C-101 Submit to Appropri District Cities Energy, Minerals and Natural Resources Department **Revised 1-1-89** OIL CONSERVATION DIVISION DISTRICT I 2.O. Isox 1980, Hobbs, NM 88240 P.O. Box 2088 30-045 Santa Fe, New Mexico 87504-2088 PICTRICT II
P.G. Drawer DD, Ariesia, NM 88210 te Type of L FEE 🛭 STATE 6 State Oil & Gas Lea DISTRICT III 1000 Rio Brizos Rd., Aziec, NM 87410 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 7. Lease Name or Unit Agreement Name la Type of Work: DRILL 🛛 PLUG BACK RE-ENTER DEEPEN | b. Type of Well: Gilbreath MULTIFLE ZONE WELL OTHER WELL [13523 Name of Operator Well No Hallwood Petroleum, Inc. 9. Pool same or Wilder Address of Operator Denver, Colorado 80237 Basin Fruitland Coal 7/629 P. O. Box 378111 **2**510 790 Feet From The South West Feet From The 12W San Juan 30N 10. Рторов Rotary 1800' Coal 16. Approx. Date Work will start hether DF, RT, GR, etc.) 15. Drilling Contractor 14. Kind & Status Plug. Bond Blanket B1595231 12/5/93 5445 Four Corners GR 17. PROPOSED CASING AND CEMENT PROGRAM SIZE OF CASING | WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP SIZE OF HOLE 12½" 8-5/8" 24# 2501 175 sx Surface 1800[†] 325 sx 7-7/8" 5½" Surface 15.5%Hallwood Petroleum, Inc. proposes to drill $12\frac{1}{4}$ " hole with native mud to 250' and set 8 5/8" 24# J-55 surface casing, which will be cemented back to surface with approximately 175 sxs of cement. We are also planning to utilize a "closed-mud" system for the drilling of this well. Production hole will be 7 7/8" with mud, drilled to 1800', logged and then $5\frac{1}{2}$ " 15.50# J-55 casing run from 0-1800'. This casing string will be cemented back to surface with approximately The Fruitland Coal interval will then be 250 sxs of lead cement and 75 sx of tail cement. This Approval perforated, fracture stimulated and pump tested. Naffer LSW 10th 3000 REGEIVE Expires 11-24-94 And Will Not Be Extended IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OFFICE DATA DIRECTOR DIVINE GIVE BLOWOUT PREVENTER PROGRAM, IF ANY. DUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE & Prod. Manager _ DATE 11/22/93

(303) TELEPHONE NO.850-7373

DEPUTY OIL & GAS INSPECTOR, DIST. #3

NOV 2 4 1993

Kevin O'Connell

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

DISTRICT | P.O. Box 1980, Hobbs, NM 88240

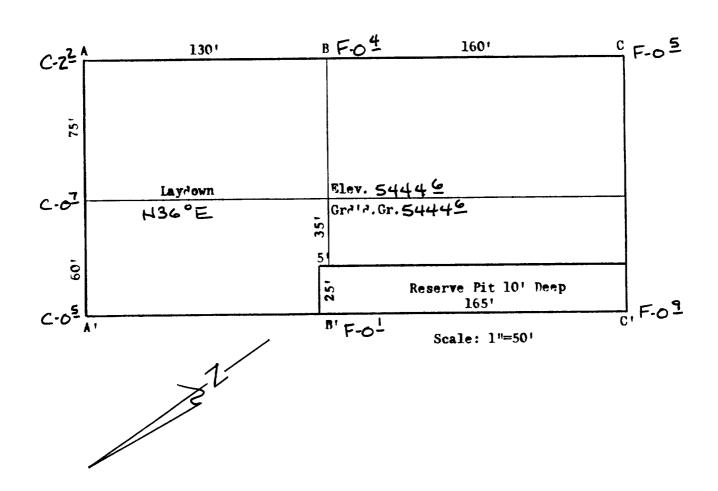
P.O. Box 2088 Santa Fe, New Mexico 87504-2088

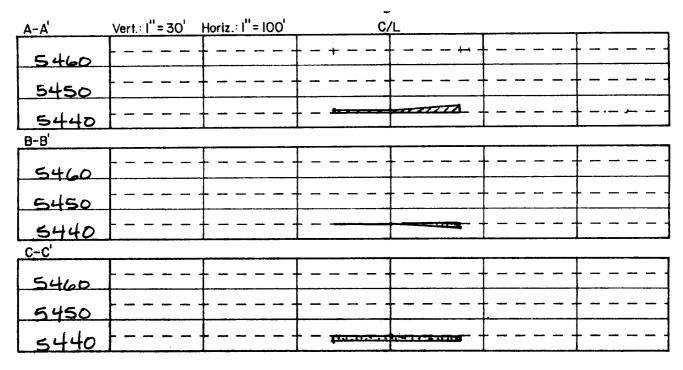
DISTRICT II P.O. Drawer DD, Artesia, NM 88210

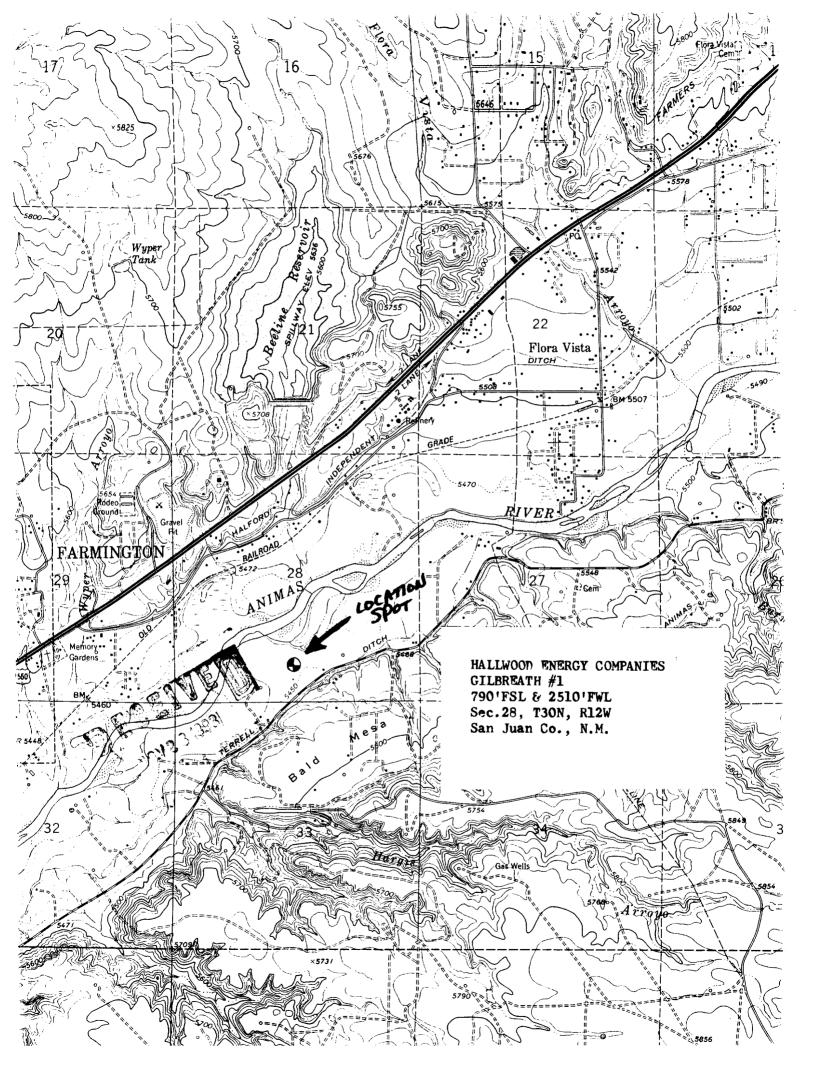
WELL LOCATION AND ACREAGE DEDICATION PLAT

Deriator HALLWOOD PETCOLOM INT. ON OF SUBSECTION OF SUBSEC	DISTRICT III 1000 Rio Brazos Rd., Azzec, N	IM 87410 WELL L	OCATION AND AC	REAGE outer box	DEDICATION PL undaries of the section	.TA		
County C	Operator HALLWOOD F	PETROLEUM INZ.	ONE OF Lease					
Fround level Elev. Fround producing Formation Froducing Formation BASIN Fruitand (±) 320 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? If answer is "pos" is the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary. No allowable with the assigned to the well until all interests have been consolidated (by communitization, forced-pooling, or otherwise) or until a non-tandard unit, eliminating such interest, has been approved by the Division. 78.58 c.u. OPERATOR CERTIFICATION I hereby certify that the information of the position of th	Unit Letter Section	Township		12 W	_NM	S	an Juan	
Ground level Elev. Producing Formation FRUITLAND Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, force-pooling, etc.? Ye	=00	South	line and	2510	feet fr	rom the	line	
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, cutline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, untitration, force-pooling, etc.? Yes No No If answer is "yes" type of consolidation	Ground level Elev.	Producing Formation			To im Aug		٠ ١	
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? Yes	5445	FRUITLAND CO	AL BI	<u>15/N</u>	MUITLAND		(I) 300	Acres
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if seccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. 350 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0 NB9 13 W 78.58 CH. OUTLINE OF S/2 Signature KEVIN E. O'CONNELL Position ORLO 1 PROD. MENABEL Company HALLWOOD FOTTLS JOURNE 1 hereby certify that the well location 3 on this plat was plotted from field not contain and provide made by many under the well location 3 on this plat was plotted from field not contain approximately between the position on this plat was plotted from field not contain approximately brown and by many the mode by many through the way plotted from field not contain approximately that the well location 3 on this plat was plotted from field not contain approximately that the well location 3 on this plat was plotted from field not contain approximately that the well location 3 on this plat was plotted from field not contain approximately that the well location 3 on this plat was plotted from field not contain approximately that the well location 3 on this plat was plotted from field not contain approximately that the well location 3 on this plat was plotted from field not contain approximately than the well location 3 on this plat was plotted from field not contain approximately than the well location 3 on this plat was plotted from field not contain approximately than the well location 3 on this plat was plotted from field not contain approximately than the support of	If more than one If more than one	lease is dedicated to the wel	l, outline each and identify	the owners	hip thereof (both as to w			
or until a non-standard unit, eliminating such interest, has been approved by the Division. 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0 N89°13'W 78.58 c.w. OUTLINE OF S/2 Frinted Name Kevin E. O'Connell Prosition ORLO PROO. Man Abel Company TALLWOOD PETTO CERTIFICATION I hereby certify that the well location so on this plat was plotted from field and actual surveys made by me or under servery servery surveys s	Yes If answer is "no" li	No If st the owners and tract descri	ptions which have actually	been conse			ing, or otherwise)	
N89°13'W 78.58 e.H. 1 hereby certify that the information contained herein in true and complete to best of my knowledge and belief. Signature Kevin E. O'Connell Printed Name Kevin E. O'Connell Prosition ORLO & PROD. MANABET Company HALLWOOD Pettos leum I Date [1] 22 / 93 SURVEYOR CERTIFICATION I hereby certify that the well location so on this plat was plotted from field not not on this plat was plotted from field not	or until a non-stand	lard unit, eliminating such in	erest, has been approved by	y the Divis	ion.			TATION!
N89 13 W Contained herein in true and complete to best of my knowledge and belief. Signature KEVIN E. O'CONNELL Printed Name KEVIN E. O'CONNELL Position ORLG & PROD. MANABET Company Italiana Printed Printed Printed Printed Printed Name KEVIN E. O'CONNELL Position ORLG & PROD. MANABET Company Italiana Printed Pr								
Signature REVIN E. O'CONNELL Printed Name KEVIN E. O'CONNELL Position ORLO & PROD. MANABET Company Italian Date II/22/93 SURVEYOR CERTIFICATION I hereby certify that the well location so on this plat was plotted from field not actual surveys made by me or under	N89°1	3'W	78	3.58	LH.	contained her	ein in true and co	implete to th
SURVEYOR CERTIFICATION I hereby certify that the well location so on this plat was plotted from field not on this plat was plotted from field not on the plat was plat was plotted from field not on the plat was plotted from field not on the plat was		931	OUTLINE SPAC	OF	S/2 Unit	Printed Name KEVIN Position DRLQ Company HALLWO Date	E.O'CONI PROD. M OD PETROLE	NELL AN ABER
supervison, and that the same is true correct to the best of my knowledge belief. 10 Nov., 1993 Date Surveyed	 		3)1111111111111111111111111111111111111	 		I hereby cer on this plat actual surve supervison, correct to belief.	was plotted from eys made by me and that the san the best of my 10 Nov., 19	location sho field notes or under se is true a knowledge a
William F. Mahnke II Signature Sale: Major Professional Silver Me ME #8466 Certificate No. 8466 Anores Shown	25 1	- 1		 			#8466	
11111111589°52'W1////hangeszig/1-19:86 cm.	Fd.		6¢.		VO V	:		

HALLWOOD ENEGY COMPANIES GILBREATH #1 790'FSL & 2510'FWL Sec.28, T30N, R12W San Juan Co., N.M.







HALLWOOD GEOLOGICAL 1 GNOSIS

L NAME: Gilbr CATION: SW/4	eath #1 Section 28	FI ST	ELD/LEASI	Fruitland Co. E: Basin Fruitl. ing Unit) New Mexico 590' (Est.) TIGH emarks	
CATION: SW/4 UNTY: San J EVATION: GR Ormation Tuitland	Section 28 (uan 5,578' (Depth 1,390'	-T30N-R12W (ST	FATE:	New Mexico	
CATION: SW/4 UNTY: San J EVATION: GR Ormation Tuitland	Section 28 (uan 5,578' (Depth 1,390'	-T30N-R12W (ST	FATE:	New Mexico	
UNTY: San J	5,578' (Depth 1,390'	Est.) KE Datum +4.200'	TATE:	590' (Est.) TIGH	
evation: GR	5,578' (Depth 1,390'	Datum	35	590° (ESC.)	T HOLE: No
ormation ruitland	Depth	Datum +4,200'			
ruitland	1,390'	+4,200'	Re	emarks	
ruitland	1,390'	+4,200'			
op of Coal	1.613'	+3.972'			
	'				
• 1 _					
otal Depth	1,800'	+3.790'			
esting/Coring:	None			·	
Logging Program	: GR. FDC	(high resol	ution)		
Known Area Prob Wellsite Geolog			Planned		
Remarks:					
Remarks:				Uama Dhama	Oddies Bhone
	Positio	n Mobil	Phone	Home Phone (915) 689-6963	Office Phone (505) 885-8764
Name	- Bred F	oreman (505)	885-7020	(915) 689-6963 (303) 247-9662	(505)885-8764 (303)259-1374
Name Jeff Pickett Jim Bonavent	- Prod. Foura-Area Si	oreman (505) upr. (505) Prod Manage	885-7020 325-0492 r N/A	(915) 689-6963 (303) 247-9662 (303) 838-2191	(505) 885-8764 (303) 259-1374 (303) 850-6303
Name	- Prod. Foura-Area Si	oreman (505) upr. (505) Prod Manage	885-7020 325-0492 r N/A	(915) 689-6963 (303) 247-9662	(505)885-8764 (303)259-1374

FORMS/GEOL.PROG.

DRILLING PROGNOSIS

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!!=116	yood Petroleum, Inc.	DATE	9/29/93 RED BY <u>KEO</u>	
PERATOR	eath #1	PREPA	RED BI	
VELL NAMEGITO	Section 28-T30N-R12W STATE New Mex	7	SED TD1,800'	
COUNTY San Juan	STATE New Mex	1CO PROPO	SED 10	
COUNTY				
TUBULAR PROGRAM:				
HOLE CASING	/	SIZE W	EIGHT GRADE	CPLG
SIZE TUBING	FROM 250/	8-5/8" _	24# J-55	STXC
12-1/4" CSG			14-55 K-55	LTXC
7-7/8" CSG	0 1,800'	<u>5-1/2"</u> -	1221	
<u> </u>			-17-7	
MUD PROGRAM:				
	DEPTH	RHEOLOGY -	WT VIS W	ETC
TYPE Surface hole -	Native mud.			
SULTAGE MEAS	le - Native mud with 45	-50 viscosity	y for logging.	
Production ho	le - Native mud with 45	77 77 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
CEMENT PROGRAM:				COLUCUED
INTERVAL	EST. SLURRY S	LURRY	EQUIPMENT: DV, CENTRALIZERS, S	HOE. ETC.
STAGE	VOLUME CHARA	CTERISTICS		
Surface Csq.*	175 sx Clas	5 "B"	One centralizer	on shoe it.
Surface Cad.			z) followed by	
Production Cs	g.* 250 sx Lead ceme 75 sx Class "B"	tail cement		
- h habb at	rings to surface.			
BIT PROGRAM:	Lings to the same			
BIT PROGRAM.		ibility		
Footage contr	act, contractors respon	ISTOTITE		
	PROBLEMS			
DRILLING HAZARI	OS/PRODUCTION PROBLEMS:			1-+
Yeen mud weig	tht under 9.5 ppg to mi	nimize any cl	hance of lost circ	UIACION
Veen ween				
				
DESTRUCTION SURV	EYS/PRODUCTION PROBLEMS	.1		
Take Totco's	every 300'.			
WELLHEAD:				
2000 nei (mi	nimum) required.			
3000 041 144				
CORCTAL ROUIPE	(ENT/TECHNIQUE:			
DESCRIPTION OF THE PERSON OF T				
CDECTAL DEBECT	NMEL REQUIREMENTS:			
DIBULAN FRANCY				
		_		