

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

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

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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-101  
Revised 1-1-89

API NO. (assigned by OCD on New Wells)

30-045-29022

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER ☐

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

Gilbreath

13523

2. Name of Operator

Hallwood Petroleum, Inc. 9812

8. Well No.

1

3. Address of Operator

P. O. Box 378111, Denver, Colorado 80237

9. Pool name or Wildcat

Basin Fruitland Coal 71629

4. Well Location

Unit Letter N : 790 Feet From The South Line and 2510 Feet From The West Line

Section 28 Township 30N Range 12W NMPM San Juan County

10. Proposed Depth

1800'

11. Formation

Fruitland Coal

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

GR 5445', KB 5457'

14. Kind & Status Plug Bond

Blanket B1595231

15. Drilling Contractor

Four Corners

16. Approx. Date Work will start

12/5/93

17. PROPOSED CASING AND CEMENT PROGRAM

5/320

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8-5/8"	24#	250'	175 sx	Surface
7-7/8"	5 1/2"	15.5#	1800'	325 sx	Surface

Hallwood Petroleum, Inc. proposes to drill 12 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 1/2" 15.50# J-55 casing run from 0-1800'. This casing string will be cemented back to surface with approximately 250 sxs of lead cement and 75 sx of tail cement. The Fruitland Coal interval will then be perforated, fracture stimulated and pump tested.

This Approval

Expires 11-24-94

And Will Not Be

Extended

RECEIVED  
NOV 23 1993

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kevin O'Connell 11/22/93 TITLE Drlg. & Prod. Manager DATE 11/22/93

TYPE OR PRINT NAME Kevin O'Connell (303) TELEPHONE NO 850-7373

(This space for State Use)

APPROVED BY Kevin O'Connell TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE NOV 24 1993

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

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

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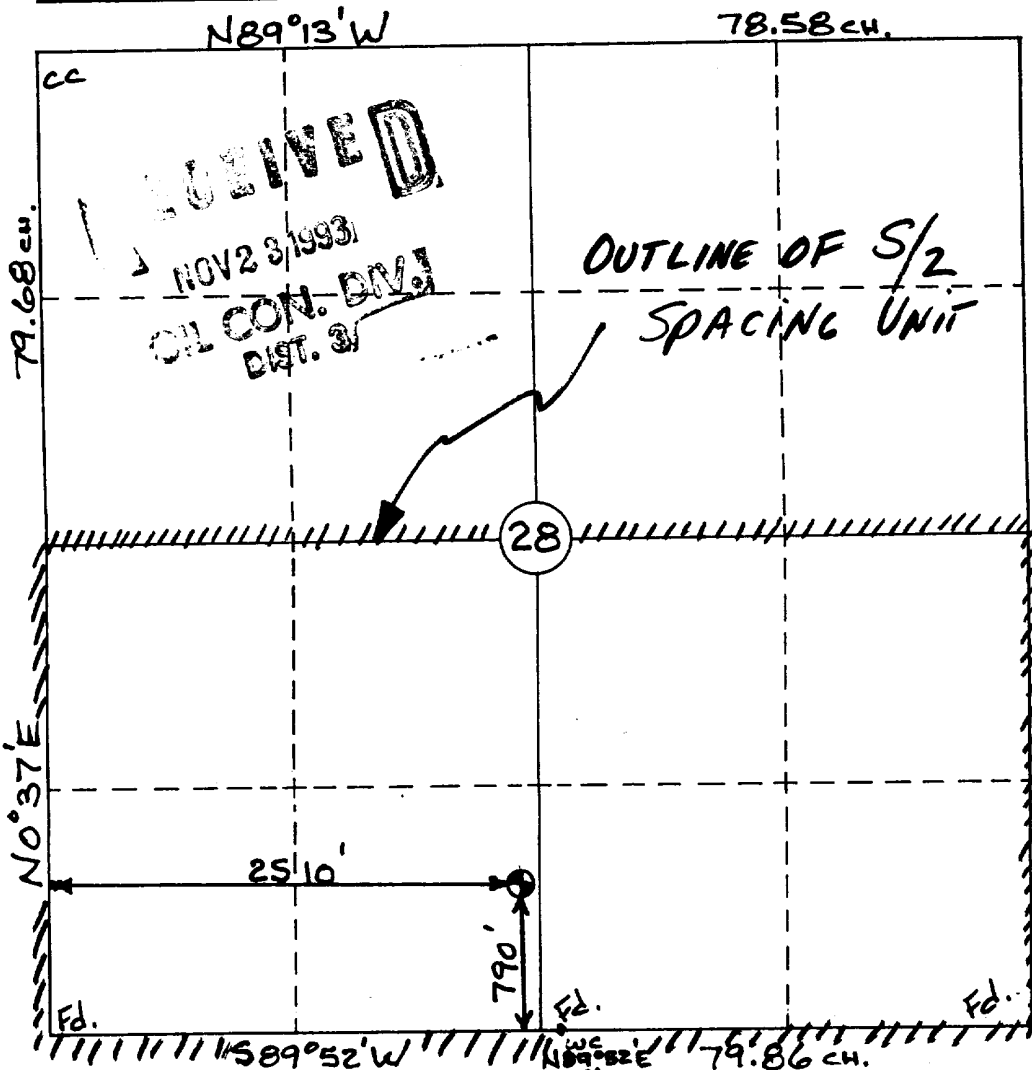
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>HALLWOOD PETROLEUM INC. ONE OF THE HALLWOOD ENERGY COMPANIES</b>		Lease <b>GILBREATH</b>		Well No. <b>1</b>
Unit Letter <b>N</b>	Section <b>28</b>	Township <b>30 N</b>	Range <b>12 W</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>790</b> feet from the <b>South</b> line and <b>2510</b> feet from the <b>West</b> line				
Ground level Elev. <b>5445</b>	Producing Formation <b>FRUITLAND COAL</b>	Pool <b>BASIN FRUITLAND</b>	Dedicated Acreage: <b>(±) 320</b> Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____ If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____ 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.</p>				

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature **Kevin E. O'Connell**  
Printed Name **KEVIN E. O'CONNELL**  
Position **DRLG & PROD. MANAGER**  
Company **HALLWOOD PETROLEUM INC**  
Date **11/22/93**

SURVEYOR CERTIFICATION

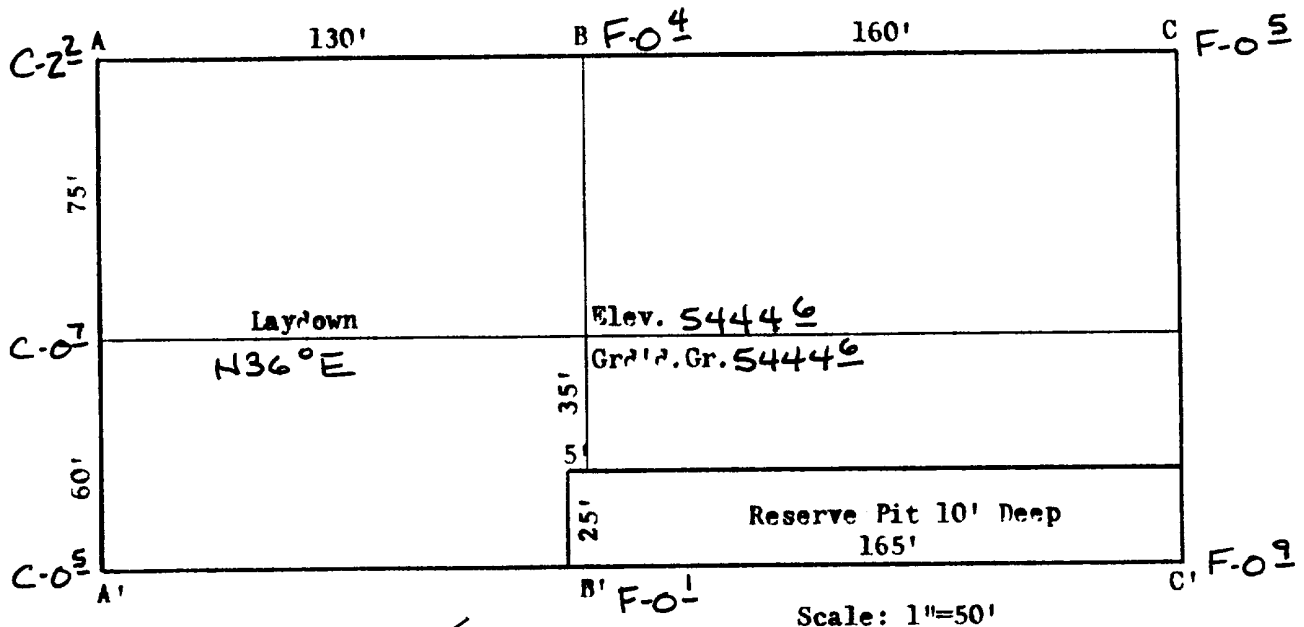
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

10 Nov., 1993

Date Surveyed  
**William E. Mahnke II**  
Signature of **WILLIAM E. MAHNKE II**  
Professional Surveyor

**WILLIAM E. MAHNKE II**  
#8466  
Certified Professional Land Surveyor

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



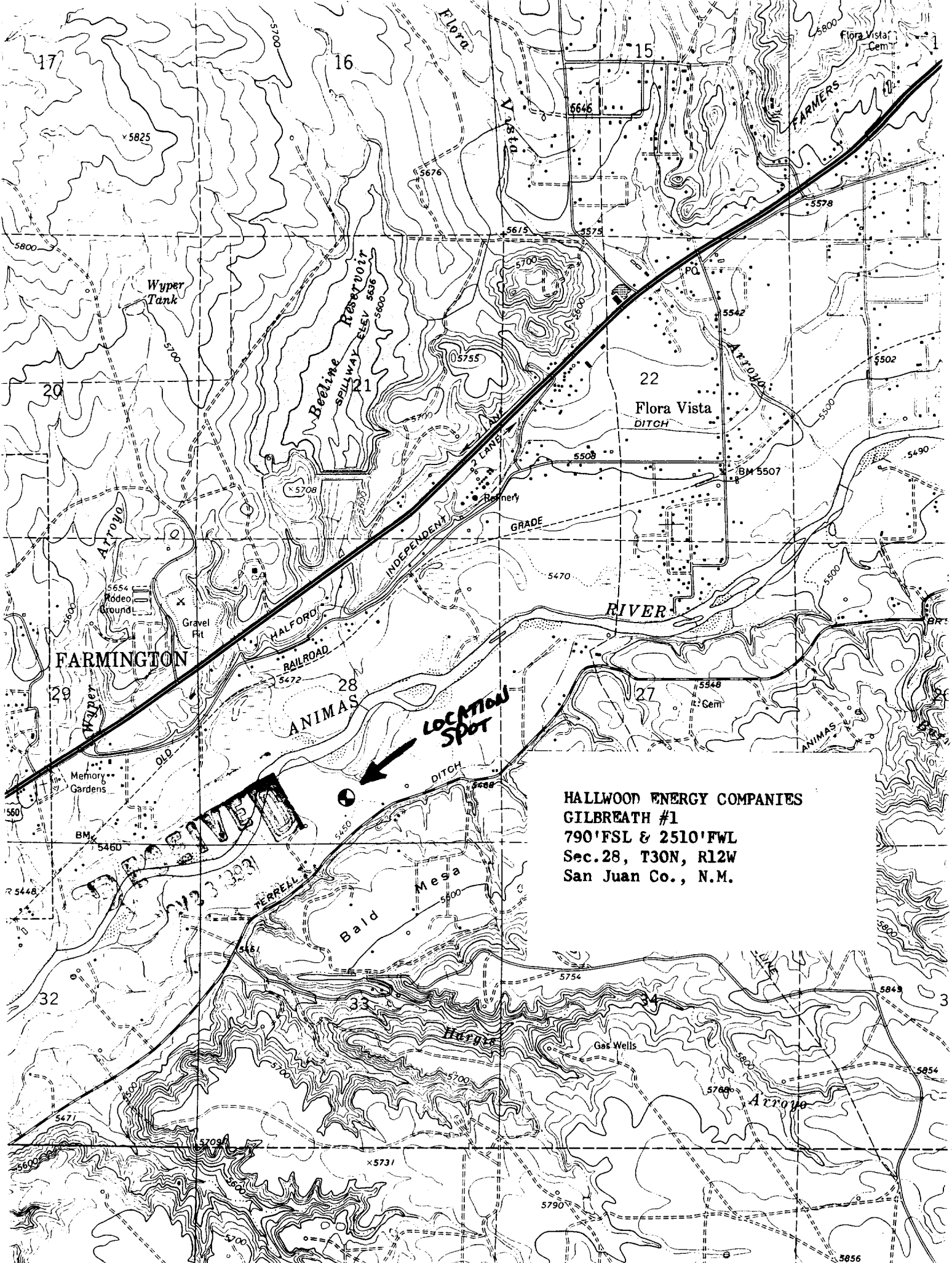
A-A'	Vert.: 1"=30'	Horiz.: 1"=100'	C/L
5460	-----	-----	-----
5450	-----	-----	-----
5440	-----	-----	-----

B-B'	Vert.: 1"=30'	Horiz.: 1"=100'	C/L
5460	-----	-----	-----
5450	-----	-----	-----
5440	-----	-----	-----

C-C'	Vert.: 1"=30'	Horiz.: 1"=100'	C/L
5460	-----	-----	-----
5450	-----	-----	-----
5440	-----	-----	-----



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

# HALLWOOD GEOLOGICAL & GNOSIS

DATE: 9/29/93 TYPE WELL: Fruitland Coal  
WELL NAME: Gilbreath #1 FIELD/LEASE: Basin Fruitland  
LOCATION: SW/4 Section 28-T30N-R12W (S/2 Spacing Unit)  
COUNTY: San Juan STATE: New Mexico  
ELEVATION: GR 5,578' (Est.) KB 5,590' (Est.) TIGHT HOLE: No

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>Remarks</u>
Fruitland	1.390'	+4.200'	
Top of Coal	1.618'	+3.972'	
Total Depth	1.800'	+3.790'	

Samples: 1,300' to TD

Testing/Coring: None

Logging Program: GR. FDC (high resolution)

Known Area Problems: None

Wellsite Geologist/Mudlogger: None Planned

Remarks:

Name	Position	Mobil Phone	Home Phone	Office Phone
Jeff Pickett	- Prod. Foreman	(505)885-7020	(915)689-6963	(505)885-8764
Jim Bonaventura	-Area Supr.	(505)325-0492	(303)247-9662	(303)259-1374
Kevin O'Connell	-Drlg & Prod Manager	N/A	(303)838-2191	(303)850-6303
John Ganziano	- Senior Engineer	N/A	(303)779-4133	(303)850-6223

**FORMS/GEOL. PROG.**

# **DRILLING PROGNOSIS**

OPERATOR Hallwood Petroleum, Inc. DATE 9/29/93  
 WELL NAME Gilbreath #1 PREPARED BY KEO  
 LOCATION SW/4 Section 28-T30N-R12W  
 COUNTY San Juan STATE New Mexico PROPOSED TD 1,800'

## **TUBULAR PROGRAM:**

HOLE SIZE	CASING/TUBING	FROM	TO	SIZE	WEIGHT	GRADE	CPLG
12-1/4"	CSG	0	250'	8-5/8"	24#	J-55	STXC
7-7/8"	CSG	0	1,800'	5-1/2"	15.5#	K-55	LTXC

## **MUD PROGRAM:**

TYPE	DEPTH	RHEOLOGY -	WT	VIS	WL	ETC
Surface hole -	Native mud.					
Production hole -	Native mud with 45-50 viscosity for logging.					

## **CEMENT PROGRAM:**

INTERVAL STAGE	EST. SLURRY VOLUME	SLURRY CHARACTERISTICS	EQUIPMENT: DV, SCRATCHER CENTRALIZERS, SHOE, ETC.
Surface Csg.*	175 sx	Class "B"	One centralizer on shoe it.
Production Csg.*	250 sx	Lead cement (65:35) Poz followed by 75 sx Class "B" tail cement.	

\*Cement both strings to surface.

## **BIT PROGRAM:**

Footage contract, contractors responsibility.

## **DRILLING HAZARDS/PRODUCTION PROBLEMS:**

Keep mud weight under 9.5 ppg to minimize any chance of lost circulation.

## **DEVIATION SURVEYS/PRODUCTION PROBLEMS:**

Take Totco's every 300'.

## **WELLHEAD:**

3000 psi (minimum) required.

## **SPECIAL EQUIPMENT/TECHNIQUE:**

## **SPECIAL PERSONNEL REQUIREMENTS:**