

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: Hallwood Petroleum, Inc. P. O. Box 378111 Denver, CO 80237		OGRID Number 9812
Property Code 18869		API Number 30-045-29369
Property Name Mead		Well No. 27-1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	27	32N	13W		1800	North	790	East	San Juan

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
71629									
Proposed Pool 1 Basin # Coal N/320					Proposed Pool 2				

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 5889' ✓
Multiple No	Proposed Depth 2050'	Formation Fruitland Coal	Contractor Not yet determined	Spud Date 7/96

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	350'	250 sks	surface
7 7/8"	5 1/2"	15.50#	2050'	350 sks	surface

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Hallwood Petroleum, Inc. proposes to drill a 12-1/4" hole with native mud to 350' and set 8-5/8", 24#, J-55 casing to 350' cementing to surface with 250 sks Class "B" cement. Drill 7-7/8" hole out of surface casing to 2,050' with mud. Log well. Set 5-1/2", 15.50#, J-55 production casing to 2,050' cementing from the Fruitland Coal back to surface with 300 sks lead cement followed by 50 sks Class "B" tail cement. Test coal interval through perforations at 1,955' to 1,980'. Fracture stimulate with approx. 200,000#, 12/20 sand, flow to clean up well and put on rod pump with beam unit.

Drilling operations below 350' to include a BOP system consisting of a Shaffer LSW 10" 3000 psi with pipe and blind rams (or equivalent).

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

Signature:

Printed name:

Title:

Date:

Kevin E. O'Connell

Drilling & Production Manager

Phone:

(303) 850-7373

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Conditions of Approval:

Attached ☐

DEPUTY OIL & GAS INSPECTOR, DIST. #3

APR 22 1996

APR 22 1997

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- | | |
|--|--|
| <p>1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.</p> <p>2 Operator's name and address.</p> <p>3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.</p> <p>4 Property code. If this is a new property the OCD will assign the number and fill it in.</p> <p>5 Property name that used to be called 'well name'</p> <p>6 The number of this well on the property.</p> <p>7 The surveyed location of this well New Mexico Principal Meridian. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.</p> <p>8 The proposed bottom hole location of this well at TD</p> <p>9 and 10 The proposed pool(s) to which this well is being drilled.</p> <p>11 Work type code from the following table:
 N New well
 E Re-entry
 D Drill deeper
 P Plugback
 A Add a zone</p> <p>12 Well type code from the following table:
 O Single oil completion
 G Single gas completion
 M Multiple completion
 I Injection well
 S SWD well
 W Water supply well
 C Carbon dioxide well</p> <p>13 Cable or rotary drilling code
 C Propose to cable tool drill
 R Propose to rotary drill</p> <p>14 Lease type code from the following table:
 F Federal
 S State
 P Private
 N Navajo
 J Jicarilla
 U Ute
 I Other Indian tribe</p> <p>15 Ground level elevation above sea level</p> <p>16 Intend to multiple complete? Yes or No</p> <p>17 Proposed total depth of this well</p> | <p>18 Geologic formation at TD</p> <p>19 Name of the intended drilling company if known.</p> <p>20 Anticipated spud date.</p> <p>21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement</p> <p>22 Brief description of the proposed drilling program and SOP program. Attach additional sheets if necessary.</p> <p>23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.</p> |
|--|--|

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, NM 87504-2088

☐ AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29369		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal	
4 Property Code 18869		5 Property Name MEAD 27			6 Well Number 27-1
7 OGRID No. 9812		8 Operator Name HALLWOOD PETROLEUM INC.			9 Elevation 5889

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	27	T-32-N	R-13-W		1800	NORTH	790	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320 (+/-)	13 Joint or Infill N	14 Consolidation Code P	15 Order No.
---------------------------------	-------------------------	----------------------------	--------------

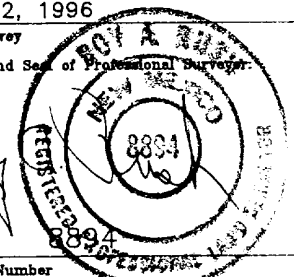
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 S 89-37 W		5293.20'		Fd. Bc. B.L.M. 1952		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
				1800'		Signature Kevin E. O'Connell	
				790'		Printed Name Drilling & Production Manager	
				N 00-14 W		Title April 17, 1996	
				2676.22'		Date	
				Fd. Bc. B.L.M. 1952		18 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 belief.	
						APRIL 12, 1996 Date of Survey	
						Signature and Seal of Professional Surveyor	
						Certificate Number	

OUTLINE OF N/2
SPACING UNIT

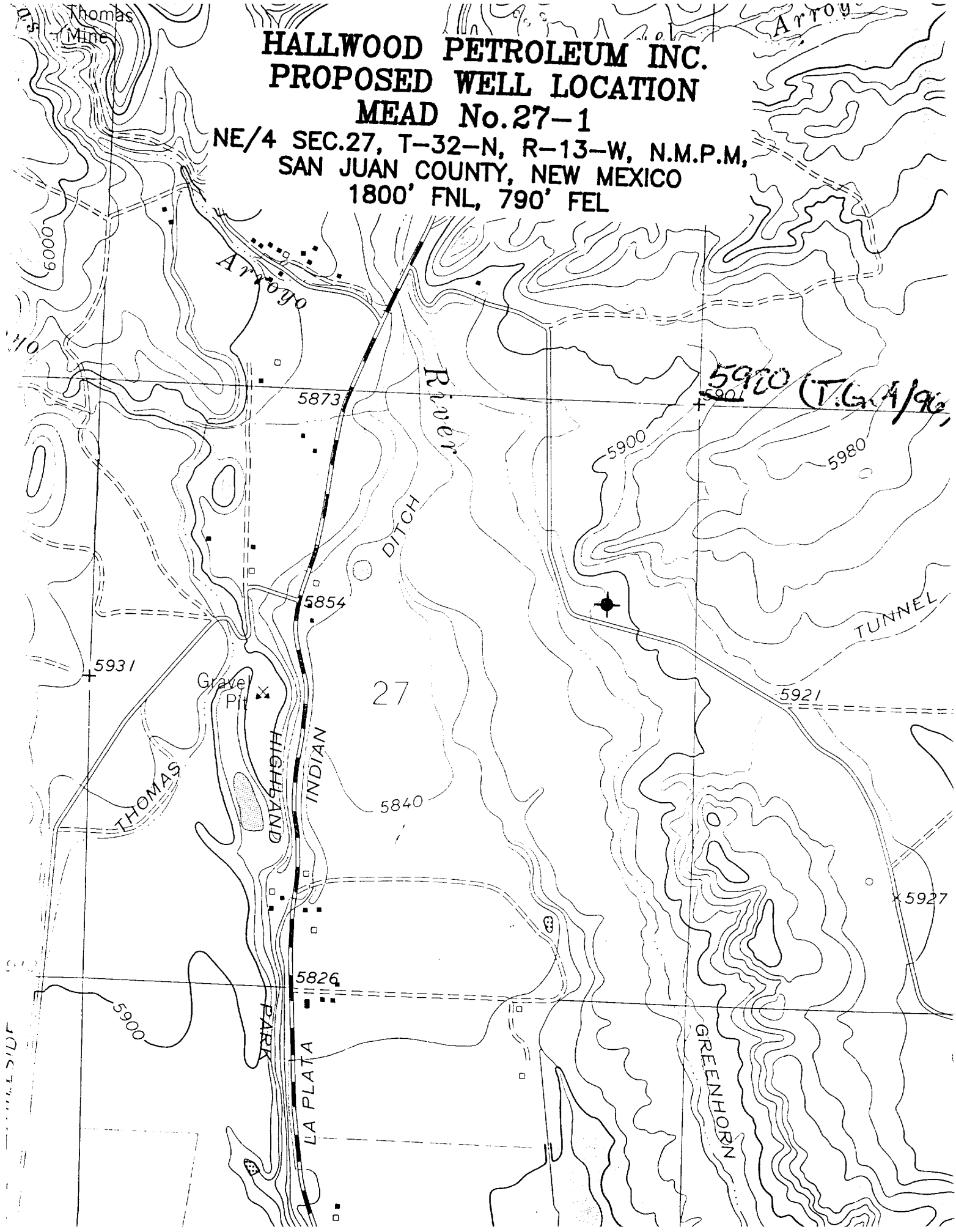
RECEIVED
APR 18 1996

OIL CON. DIV.
DIST. 2



**HALLWOOD PETROLEUM INC.
PROPOSED WELL LOCATION
MEAD No.27-1**

**NE/4 SEC.27, T-32-N, R-13-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
1800' FNL, 790' FEL**



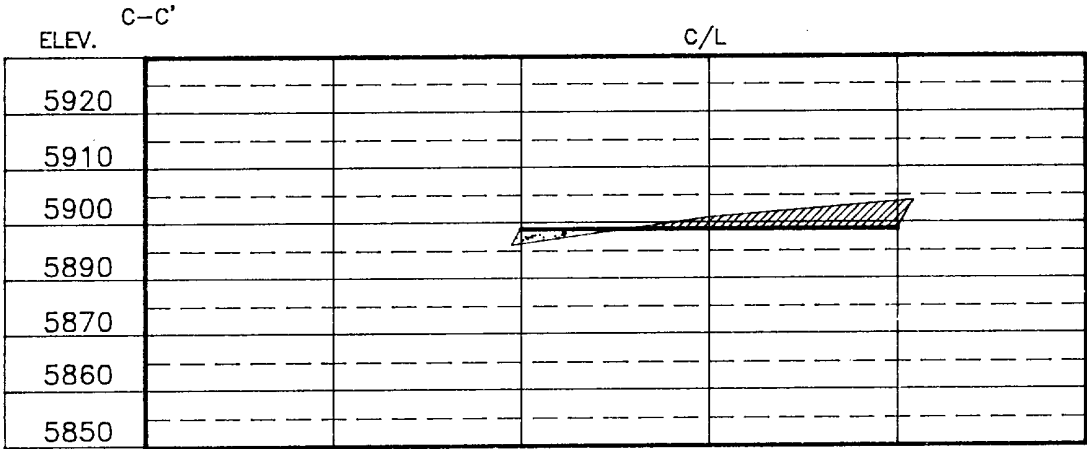
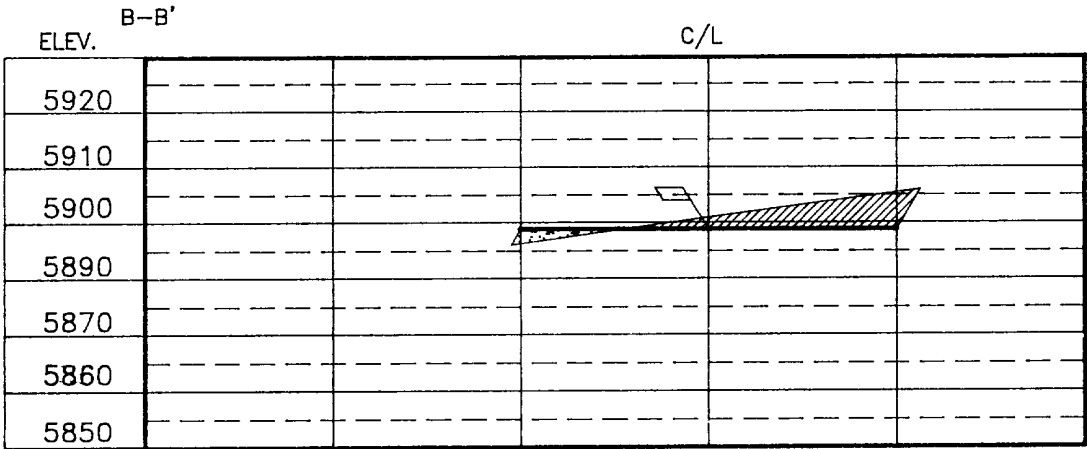
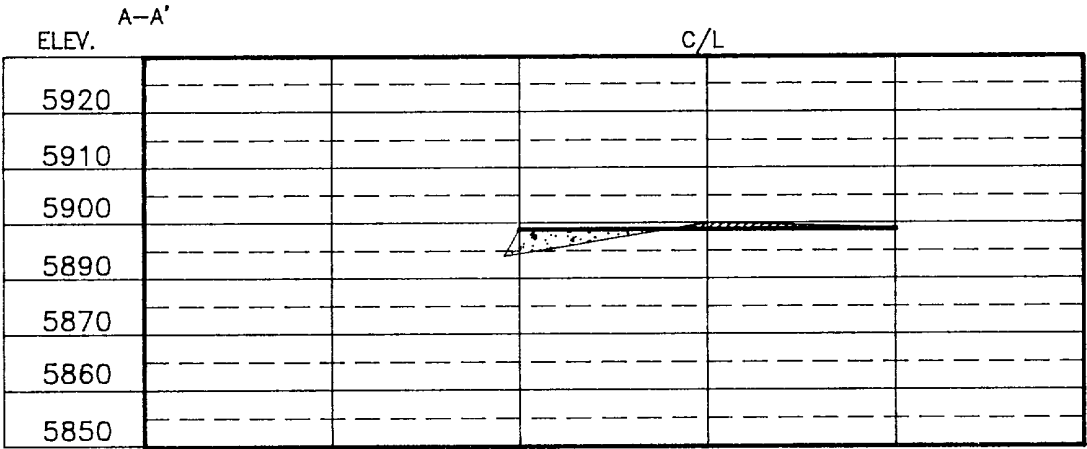
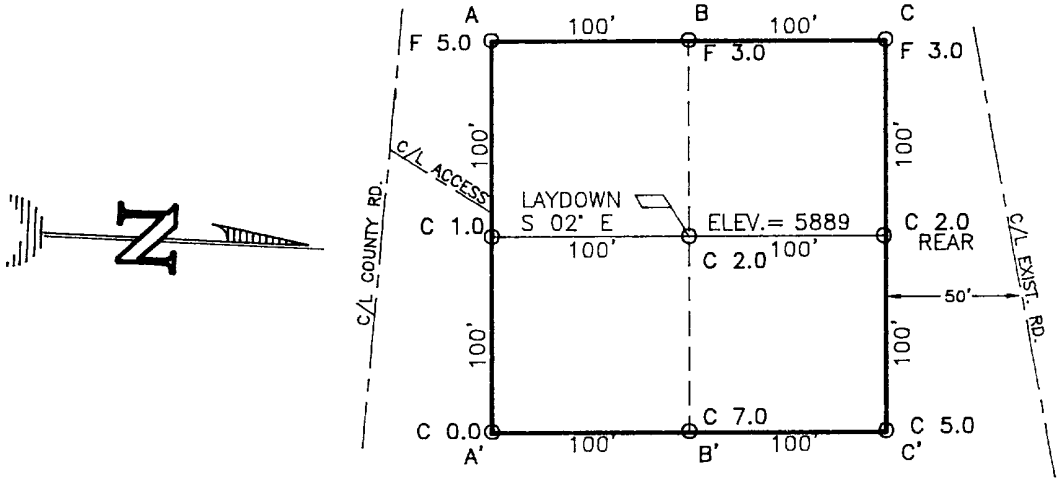
COMPANY: HALLWOOD PETROLEUM INC.

LEASE: MEAD No.27-1

FOOTAGE: 1800' FNL, 790' FEL

SEC.: 27, TWN: T-32-N, RNG: R-13-W, NMPM

ELEVATION: 5889



Daggett, Inc.

420 W. Elm Street Ph. (505) 326-1772
Farmington, New Mexico 87401

HALLWOOD DRILLING PROGNOSIS

OPERATOR: Hallwood Petroleum, Inc.

DATE: 4/10/96

WELL NAME: Mead #27-1

PREPARED BY: Kevin E. O'Connell

LOCATION: SE NE Section 27-T32N-R13W

COUNTY: San Juan

STATE: NM

PROPOSED TD: 2050'

DRILLING PROGRAM:

Casing/ Tubing	From	To	Size	Weight	Grade	CPLG	Hole Size
CSG	0	350'	8 5/8"	24#	J-55	STXC	12 1/4"
CSG	0	2050'	5 1/2"	15.50#	J-55	LTXC	7 7/8"

MUD PROGRAM:

Type	Depth	Rheology	WT	Vis	WL
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	250 sx	Class "B"	One centralizer on shoe jt.
Prod. Csg	300 sx	Lead cement (65:35) Poz followed by	
	50 sx	Class "B" tail cement, see info below under "Special Equipment".	

BIT PROGRAM:

Footage contract, contractor's responsibility

DRILLING HAZARDS/PRODUCTION PROBLEMS:

Keep mud weight under 9.0 ppg to minimize any chance of lost circulation.

DEVIATION SURVEYS/PRODUCTION PROBLEMS:

Take Totco's every 500'.

WELLHEAD:

3000 psi (minimum required)

SPECIAL EQUIPMENT:

We plan to try a slotted casing completion technique on this well which will consist of slotted casing across the Fruitland Coal zones and an exterior casing packer at the top of the coal on the casing string with cement to surface. Actual tops and depths may vary as drilling progresses.

SPECIAL PERSONNEL REQUIREMENTS:

None planned.

HALLWOOD GEOLOGICAL PROGNOSIS

DATE: 4/10/96 TYPE WELL: Development
WELL NAME: Mead #27-1 FIELD/LEASE: Basin Fruitland Coal
LOCATION: SE NE Section 27-T32N-R13W (1800' FNL X 790' FEL)
COUNTY: San Juan STATE: NM
ELEVATION: GR 5880' est KB 5890' est TIGHT HOLE: No

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>Remarks</u>
Top Main Coal	1955'	+ 3935'	
Bottom Main Coal	1990'	+ 3900'	
Top PC	1990'	+ 3900'	
TD	2050'	+ 3840'	

TOTAL DEPTH: 2050' estimated

SAMPLES: 1300' to TD

TESTING/CORING: None planned

LOGGING PROGRAM: GR/FDC & Caliper Log from TD to surface

WELLSITE GEOLOGIST/
MUDLOGGER: None planned

REMARKS:

<u>Name</u>	<u>Position</u>	<u>Mobil Phone</u>	<u>Home Phone</u>	<u>Office Phone</u>
Kevin O'Connell	Drlg & Prod Mgr.	N/A	(303) 838-2191	(303) 850-6303
Jim Bonaventura	Area Super.	(970) 749-0571	(970) 247-9662	(970) 259-1374
Jeff Pickett	Prod. Foreman	(505) 599-4200	(970) 884-8040	(970) 259-1374
John Genziano	Senior Engineer	N/A	(303) 771-7120	(303) 850-6223
Hallwood Fax Machine				(303) 850-6530

Hallwood Energy Companies

4582 South Ulster Street Parkway Stanford Place III · Suite 1700 · Post Office Box 378111
Denver, Colorado 80237 · (303) 850-7373

April 17, 1996

OVERNIGHT MAIL

Mr. Ernie Busch
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

RECEIVED
APR 18 1996

RE: Mead #27-1
Section 27-T32N-R13W

OIL CON. DIV
DIST. 3

Dear Mr. Busch:

Hallwood plans to drill the above captioned well during July 1996. Enclosed are the following forms for this well:

1. Application for Permit to Drill (Form C-101)
2. Well Location and Acreage Dedication Plan (Form C-102)
3. Topographic Map
4. Elevation Survey
5. Drilling Prognosis

If you have further questions, please feel free to contact Kevin O'Connell or myself at (303) 850-7373.

Sincerely,

HALLWOOD PETROLEUM, INC.



Nonya K. Durham
Production Technician

NKD/jea

cc: Connie Heath
Kevin O'Connell
Jim Bonaventura
John Genziano

NKD96.054