

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, PLUG BACK, OR ADD A ZONE

Operator Name and Address: Hallwood Petroleum, Inc. P. O. Box 378111 Denver, CO 80237		OGRID Number 9812
Property Code 16704	Property Name Moseley	API Number 30-045-29214
Well No. #1		

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	1	31N	13W		1590	North	2140	East	San Juan

Proposed 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
5/319-20									
Proposed Pool 1					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	R	P	5780'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
No	2150'	Fruitland Coal	Not yet determined	3/15/95

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#	2,150	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 2,150' with mud. Log well. Set 5-1/2", 15.50#, J-55 production casing to 2,150' 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 2,030' to 2,070'. 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: *Kevin E. O'Connell*
Printed name: Kevin E. O'Connell
Title: Drilling & Production Manager
Date: February 22, 1995
Phone: 303-850-7373

OIL CONSERVATION DIVISION

Approved by: *Chris Bouch* 2-28-95
Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3
Approval Date: FEB 28 1995
Expiration Date: FEB 28 1996
Conditions of Approval:
Attached ☐

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.

- | | | | |
|--|--|----|--|
| 1 | Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office. | 18 | Geologic formation at TD |
| 2 | Operator's name and address | 19 | Name of the intended drilling company if known. |
| 3 | API number of this well. If this is a new drill the OCD will assign the number and fill this in. | 20 | Anticipated spud date. |
| 4 | Property code. If this is a new property the OCD will assign the number and fill it in. | 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 |
| 5 | Property name that used to be called 'well name' | 22 | Brief description of the proposed drilling program and SOP program. Attach additional sheets if necessary. |
| 6 | The number of this well on the property. | 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. |
| 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. | | |
| 8 | The proposed bottom hole location of this well at TD | | |
| 9 and 10 The proposed pool(s) to which this well is being drilled. | | | |
| 11 | Work type code from the following table:
N New well
E Re-entry
D Drill deeper
P Plugback
A Add a zone | | |
| 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 | | |
| 13 | Cable or rotary drilling code
C Propose to cable tool drill
R Propose to rotary drill | | |
| 14 | Lease type code from the following table:
F Federal
S State
P Private
N Navajo
J Jicarilla
U Ute
I Other Indian tribe | | |
| 15 | Ground level elevation above sea level | | |
| 16 | Intend to multiple complete? Yes or No | | |
| 17 | Proposed total depth of this well | | |

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State of New Mexico
Energy, Minerals & Natural Resources Department

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

RECEIVED
FEB 27 1995
OIL CON. DIV.
DIST. 3

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 30-045-29214		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal		
4 Property Code 16704		5 Property Name MOSELEY 1			6 Well Number 167	
7 OGRID No. 9812		8 Operator Name HALLWOOD PETROLEUM, INC.			9 Elevation 5780	

10 Surface Location

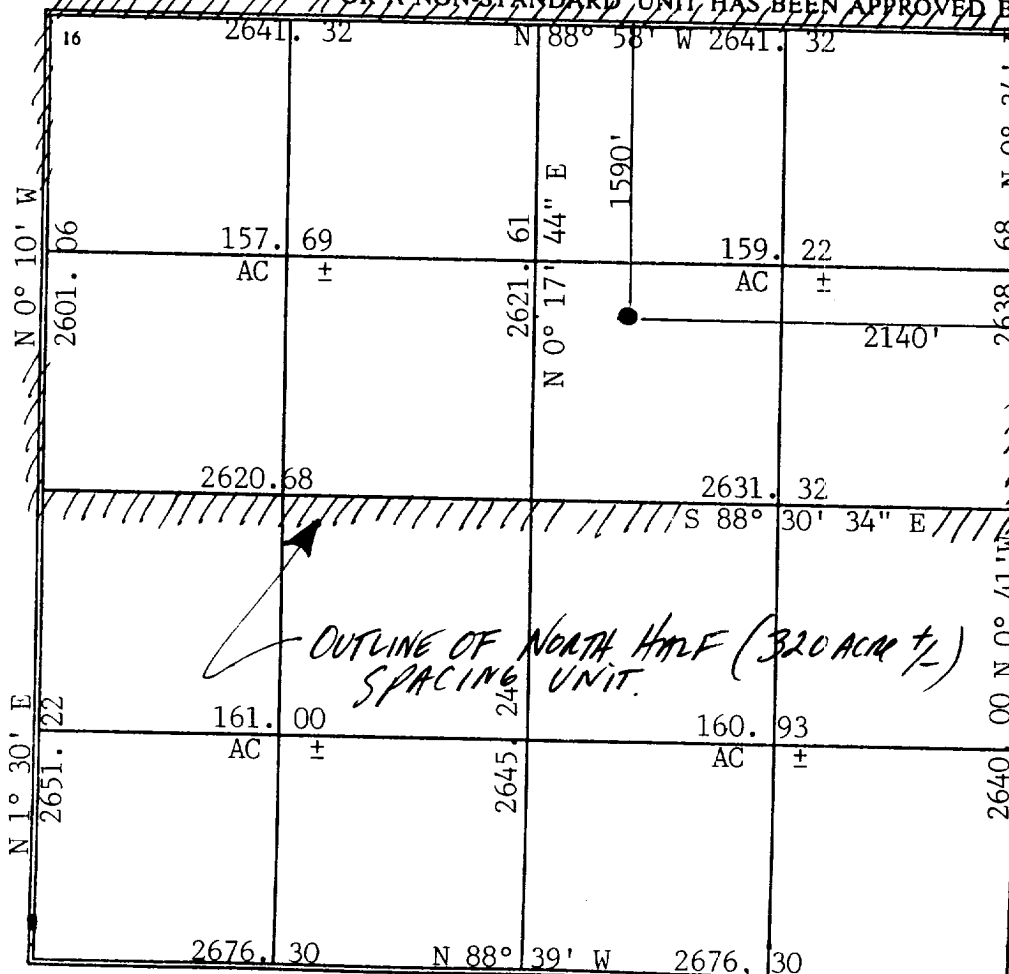
UL or lot no. G	Section 1	Township 31N	Range 13W	Lot Idn	Feet from the 1590	North/South line NORTH	Feet from the 2140	East/West line EAST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 316.91	13 Joint or Infill N	14 Consolidation Code P	15 Order No.
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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



17 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
Title
Drilling & Prod. Manager
Date
February 22, 1995

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.

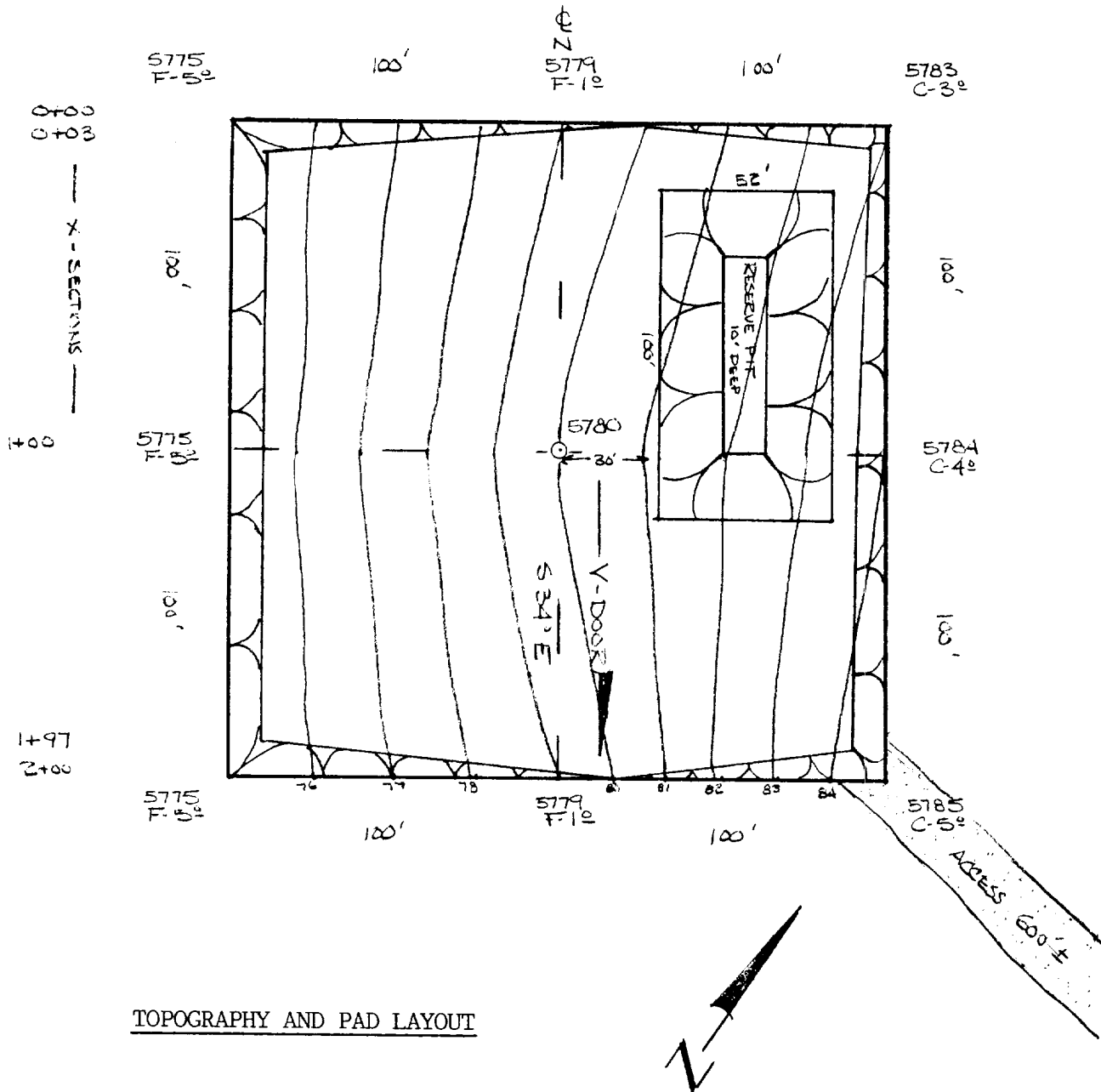
November 11, 1994
Date of Survey
Signature and Seal of Professional Surveyor:
9672
Cecil B. Tullis
Certificate Number 9672

HALLWOOD PETROLEUM, INC.

Scale: 1" = 50'

MOSELEY 1-1
1590 F/NL & 2140 F/E1
Sec. 1 T31N R13W N.M.P.M.
San Juan Co., NM

Contour Int. = 1'



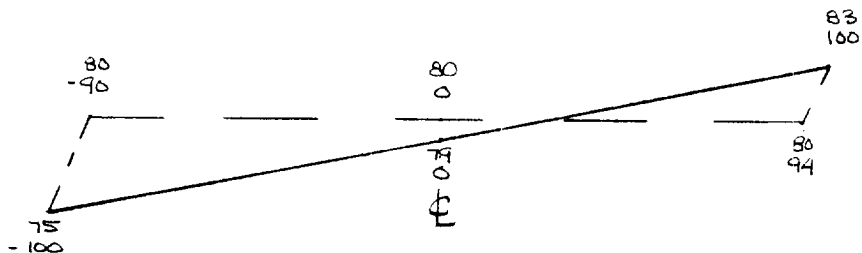
Scale: Horz. 1" = 50'
Vert. 1" = 10'

MOSELEY 1-1
1590 F/NL & 2140 F/EL
Sec. 1 T31N R13W N.M.P.M.
San Juan Co., NM

0+00

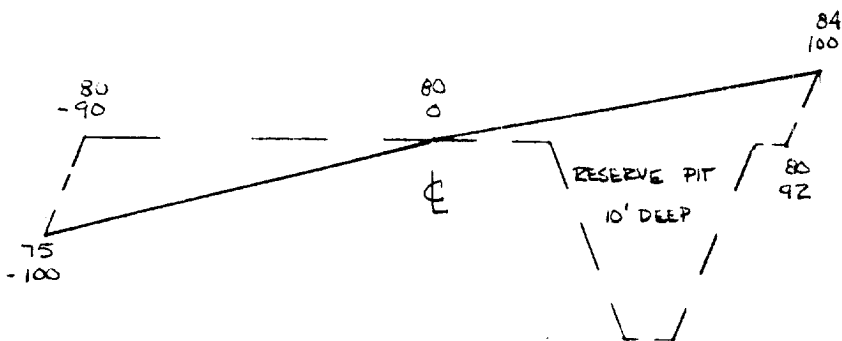
ZERO CUT / FILL

0+03



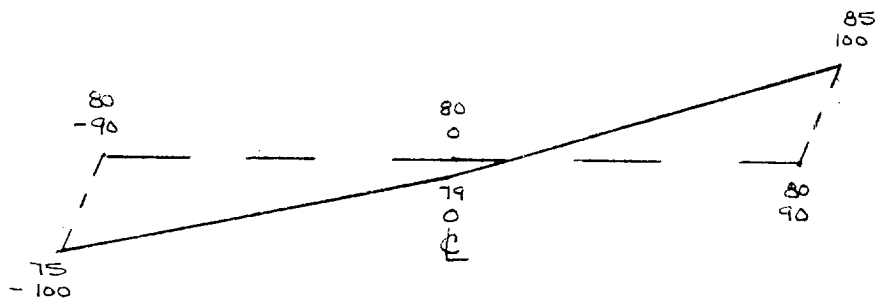
X SECTIONS AND VOLUMES

1+00



CUT.....1192 CU. YDS.
FILL.....1865 CU. YDS.
PIT EXCAVATION.....948 CU. YDS.

1+97



2+00

ZERO CUT / FILL

HALLWOOD DRILLING PROGNOSIS

OPERATOR: Hallwood Petroleum, Inc. DATE: 6/6/94
WELL NAME: Moseley #1-1 PREPARED BY: Kevin O'Connell
LOCATION: NE/4 Section 1-T31N-R13W
COUNTY: San Juan STATE: New Mexico PROPOSED TD: 2150'

DRILLING PROGRAM:

Casing/ Tubing	From	To	Size	Weight	Grade	CPLQ	Hole Size
CSG	0	350'	8-5/8"	24#	J-55	STXC	12 1/4"
CSG	0	2150'	5-1/2"	15.90#	J-55	LTXC	7 7/8"

MUD PROGRAM:

Type	Depth	Rheology	WT	Vis NL
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.
Production Csg.	300 sx 50 sx	Lead cement (65:35) poz followed by Class "B" tail cement. See info below under "Special Equipment".	

BIT PROGRAM:

Footage contract, contractors 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: 6/2/94 TYPE WELL: Development
WELL NAME: Moseley 1-1 FIELD/LEASE:
LOCATION: NE/Qtr. Sec. 1-31N-13W (790' FNL, 2510' FEL)
COUNTY: San Juan STATE: New Mexico
ELEVATION: GR 5750 est. KB 5772 est. TIGHT HOLE: No

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>Remarks</u>
Top Coal Stringers	1792'	3980'	
Top Main Coal	2032'	3740'	
Bottom Main Coal	2062'	3710'	
Top PC	2062'	3710'	
TD	2142'	3630'	

TOTAL DEPTH:

SAMPLES: 1300' to TD

TESTING/CORING: None

LOGGING PROGRAM: GR FDC (No High Resolution Necessary)

WELLSITE GEOLOGIST/
MUDLOGGER: None

REMARKS: None

<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.	(505)325-0492	(303)247-9662	(303)259-1374
John Genziano	Senior Engineer	N/A	(303)779-4133	(303)850-6223
Hallwood Fax Machine				(303)850-6530