

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 19078		API Number 30-045-29387
Property Name Wright 10		Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	10	31N	13W		2300	South	1550	West	San Juan

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									
Basin Fruitland Coal					S/320				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	R	P	5788'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
No	2150'	Fruitland Coal	Not yet determined	7/96

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#	2150'	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 1,980' to 2,010'. 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: <i>Kevin E. O'Connell</i>		OIL CONSERVATION DIVISION	
Printed name: Kevin E. O'Connell		Approved by: <i>Ernie Bush</i> 6-18-96	
Title: Drilling & Production Manager		Title: DEPUTY OIL & GAS INSPECTOR, DIST. #:	
Date: <i>JUN 13, 1996</i>		Approval Date: <i>JUN 18 1996</i> Expiration Date: <i>JUN 18 1997</i>	
Phone: (303) 850-7373		Conditions of Approval: <i>Held C-104 PM NEP 7/96</i>	
		Attached <input type="checkbox"/>	

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.

- 18 Geologic formation at TD
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 21 Proposed hole size (D inches, proposed casing O.D. 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
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 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.

- 1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'
- 6 The number of this well on the property.
- 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

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

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

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

OIL CONSERVATION DIVISION JUN 17 1996

P.O. Box 2088
Santa Fe, NM 87504-2088

088
OIL CON. DIV.
DIST. 3

☒ AMENDED REPORT

Revised to show
Non-Standard Unit

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	'Pool Code	'Pool Name
30-045-29387	71629	Basin Fruitland Coal
'Property Code	'Property Name	'Well Number
19078	WRIGHT 10	1
'OGRID No.	'Operator Name	'Elevation
9812	HALLWOOD PETROLEUM, INC.	5788

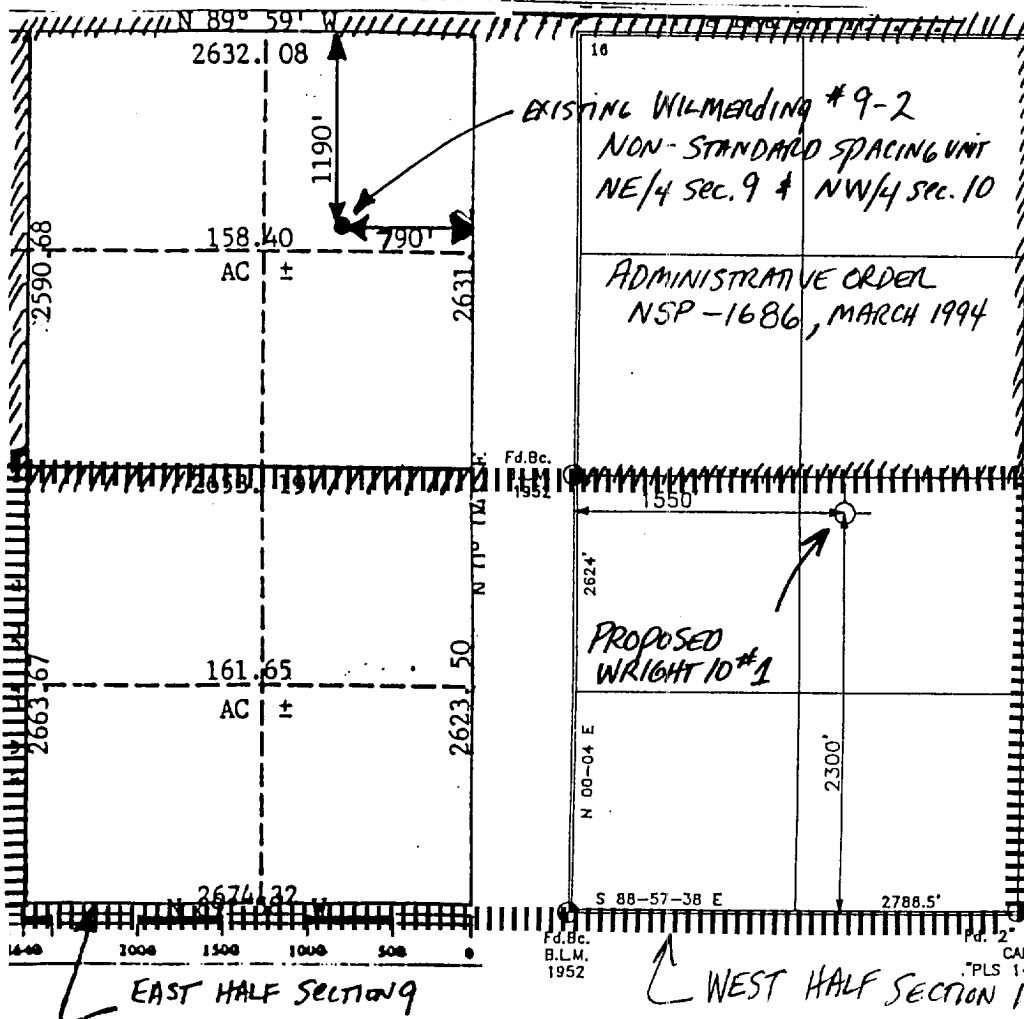
¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	10	T-31-N	R-13-W		2300	SOUTH	1550	WEST	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	14 Consolidation Code		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



17 OPERATOR CERTIFICATION

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

Kevin E. Connell
Signature

Signature
Kevin E. O'Connell
Printed Name
Drilling & Production Manager
Title
June 13, 1996
Date

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.

MARCH 13, 1996

Date of Survey _____

Signature and Seal of Professional Surveyor

Certificate Number

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-045-29387	'Pool Code 71629	'Pool Name Basin Fruitland Coal
'Property Code 19078	'Property Name WRIGHT 10	'Well Number 1
'OGRID No. 9812	'Operator Name HALLWOOD PETROLEUM, INC.	'Elevation 5788

¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	10	T-31-N	R-13-W		2300	SOUTH	1550	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<div> <div> ¹² Dedicated Acres ¹³ Joint or Infill </div> <div> ¹⁴ Consolidation Code ¹⁵ Order No. </div> </div>									

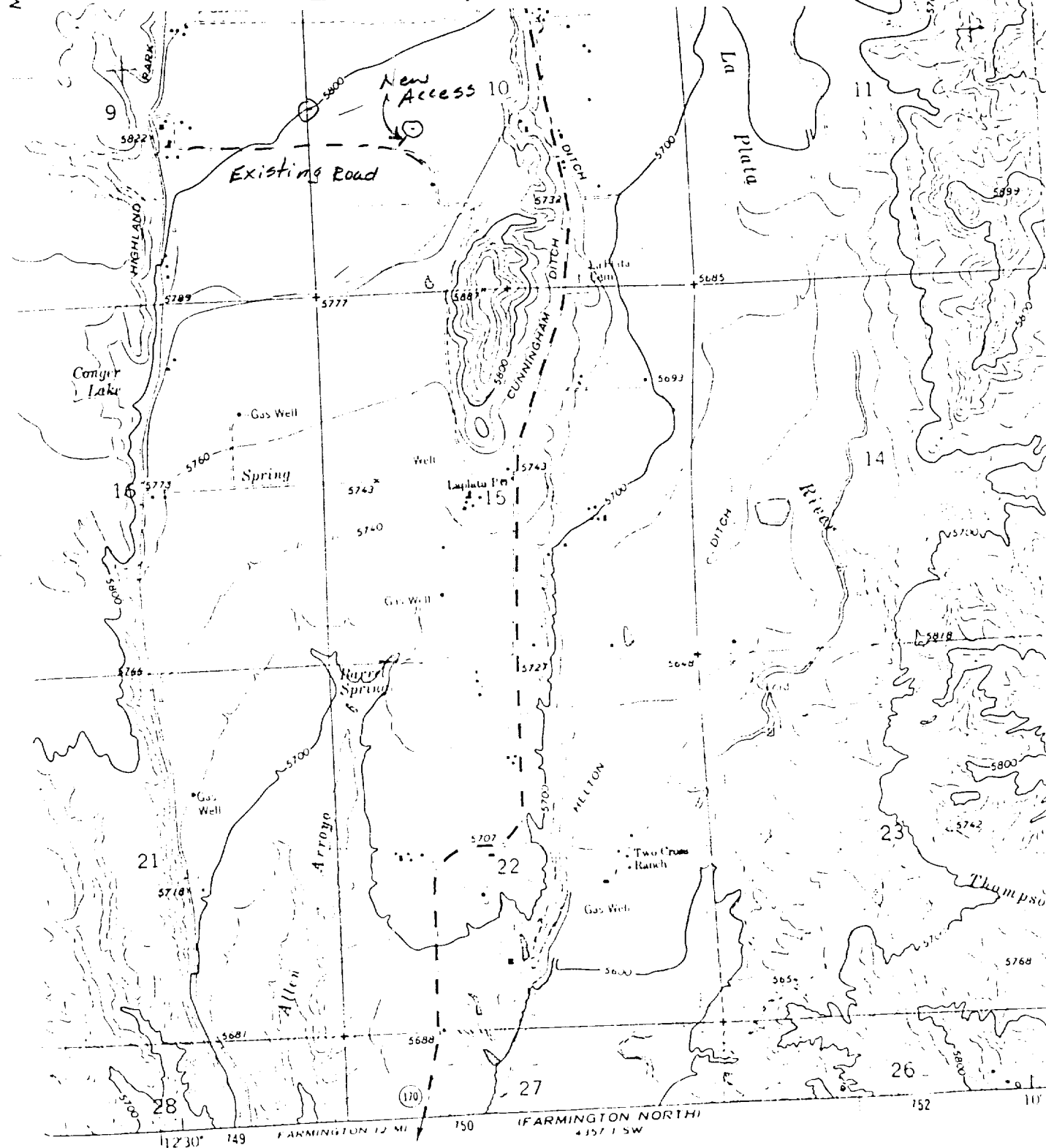
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>RECEIVED JUN 17 1996</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Kevin E. O'Connell</i> Signature</p> <p>Kevin E. O'Connell Printed Name</p> <p>Drilling & Production Manager Title</p> <p>June 13, 1996 Date</p>
<p>1550'</p> <p>2624'</p> <p>N 00-04 E</p> <p>2300'</p> <p>2788.5'</p> <p>S 88-57-38 E</p>	<p>OIL CON. DIV. DIST. 3</p>	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>MARCH 13, 1996 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <i>ROY A. PIERCE</i></p> <p>PROFESSIONAL LAND SURVEYOR STATE OF TEXAS NO. 8894</p> <p>Certificate Number</p>

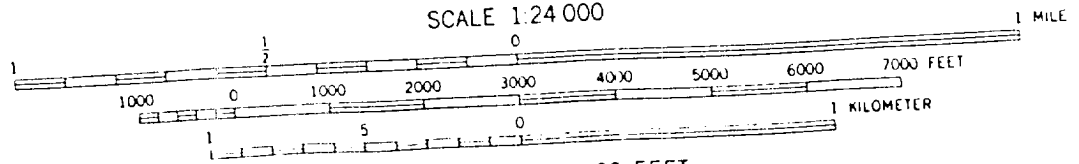
Fd. 2" ALUM.
CAP
"PLS 14680"

HALLWOOD PETROLEUM PROPOSED WELL LOCATION WRIGHT 10-1

SW/4 SEC.10, T-31-N, R-13-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
2300' FSL, 1550' FWL

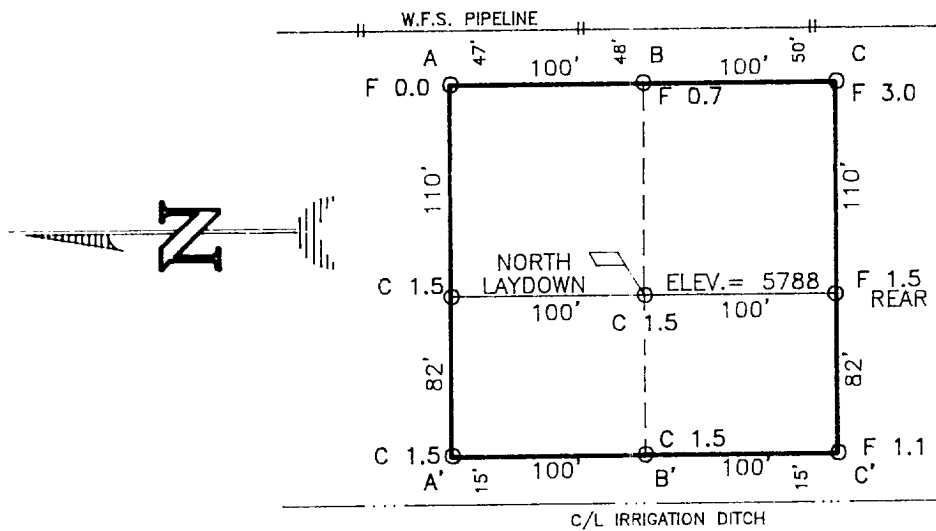


SCALE 1:24 000



CONTOUR INTERVAL 20 FEET

ELEVATION: 5788



ELEV.	A--A'	C/L
5810		
5800		
5790		
5780		
5770		
5760		

HALLWOOD GEOLOGICAL PROGNOSIS

DATE: 2/6/96 TYPE WELL: Development
WELL NAME: Wright #10-1 FIELD/LEASE: Basin Fruitland Coal
LOCATION: N/2 of SW/4 of Section 10-T31N-R13W
COUNTY: San Juan STATE: NM
ELEVATION: GR 5780 est. KB 5792 est. TIGHT HOLE: No

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>Remarks</u>
Top Coal Stringers	1812'	3980'	
Top Main Coal	1982'	3810'	
Bottom Main Coal	2012'	3780'	
Top PC	2012'	3780'	
TD	2092'	3700'	

TOTAL DEPTH: 2100'

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.	(970)749-0571	(970)247-9662	(970)259-1374
John Genziano	Senior Engineer	N/A	(303)779-4133	(303)850-6223
Hallwood Fax Machine				(303)850-6530

HALLWOOD DRILLING PROGNOSIS

OPERATOR: Hallwood Petroleum, Inc.

DATE: 2/6/96

WELL NAME: Wright #10-1

PREPARED BY: Kevin E. O'Connell

LOCATION: N/2 of SW/4 of Section 10-T31N-R13W
(proposed 2300' FSL & 1500' FWL)

COUNTY: San Juan

STATE: NM

PROPOSED TD: 2150'

DRILLING PROGRAM:

<u>Casing/ Tubing</u>	<u>From</u>	<u>To</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>CPLG</u>	<u>Hole Size</u>
CSG	0	350'	8 5/8"	24#	J-55	STXC	12 1/4"
CSG	0	2150'	5 1/2"	15.50#	J-55	LTXC	7 7/8"

MUD PROGRAM:

<u>Type</u>	<u>Depth</u>	<u>Rheology</u>	<u>WT</u>	<u>Vis</u>	<u>WL</u>
Surface Hole - Native mud.					
Production Hole - Native mud with 45-50 viscosity for logging.					

CEMENT PROGRAM:

<u>Interval Stage</u>	<u>Est. Slurry Volume</u>	<u>Slurry Characteristics</u>	<u>Equipment: DV, Scratcher, Centralizers, Shoe, Etc.</u>
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, 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 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.