



BPDS CC

# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

October 20, 2005

**Mark E. Fesmire, P.E.**

Director

Oil Conservation Division

**BP America Production Company**  
**P. O. Box 3092**  
**Houston, Texas 77253-3092**

**Attention: Cherry Hlava**

**Re:** *Administrative application dated September 6, 2005 (administrative application reference No. pMES0-529359477) for an unorthodox Basin-Fruitland coal gas well location for BP America Production Company's proposed Riddle "C" LS Well No. 5 to be drilled 2110 feet from the South line and 925 feet from the West line (Lot 14/Unit K) of Irregular Section 30, Township 31 North, Range 9 West, NMPM, Basin-Fruitland Coal (Gas) Pool (71629), San Juan County, New Mexico.*

Dear Mr. Hlava:

This application, deemed to be incomplete, is hereby **denied** and is being returned to you. You seem to indicate in your cover letter that the proposed well will be dedicated to the W/2 (equivalent) of Irregular Section 30, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico, which comprises 208.20 acres; however, the NMOC Form C-102 for this well shows that a non-standard 299.10-acre coal gas spacing unit comprising the W/2 equivalent of Irregular Section 31 and the SW/4 equivalent of Irregular Section 31 is to be dedicated to this well. Moreover, your application does not reference an existing order that authorized this 299.10-acre non-standard unit, nor do you even acknowledge the fact that in either case the two units are non-standard pursuant to **Rules 4 and 5** of the special rules governing the Basin-Fruitland Coal (Gas) Pool, as promulgated by Division Order No. R-8768, as amended.

Should you have any questions concerning this matter, please contact your legal counsel, Mr. William F. Carr with Holland & Hart, LLP in Santa Fe, New Mexico at (505) 988-4421. Thank you.

Sincerely

Michael E. Stogner  
Engineer

cc: New Mexico Oil Conservation Division – Aztec  
William F. Carr, Legal Counsel for BP America Production Company – Santa Fe

DATE IN 9-12-05	SUSPENSE 10-3-05	ENGINEER MS	LOGGED IN ms	TYPE NSL	P.M.E.S.D. APP NO. 529359477
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM SEP 12 2005

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery **OIL CONSERVATION**  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR **DIVISION**

[D] Other: Specify \_\_\_\_\_

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

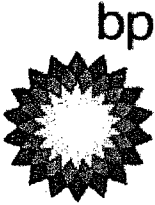
[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Cherry Hlava  
Print or Type Name

Cherry Hlava  
Signature 281-366-4081

Regulatory Analyst 09/07/2005  
Title Date  
hlavacl@bp.com  
e-mail Address



San Juan South Asset

Cherry Hlava  
WL1-19.178  
281-366-4081 (direct)  
281-366-0700 (FAX)  
[hlavacl@bp.com](mailto:hlavacl@bp.com)

P. O. Box 3092  
Houston, Texas 77253-3092  
501 Westlake Park Boulevard  
Houston, Texas 77079

September 6, 2005

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
1220 South St Francis Drive  
Santa Fe, NM 87505

Application for Non-Standard Well Location  
Riddle C LS well # 5  
W/2 Section 30-T31N-R09W  
Basin Fruitland Coal Pool  
San Juan County, New Mexico

BP America Production Company respectfully requests an administrative approval for a non-standard well location for the Riddle C LS well No. 5 to be drilled at a location of 2110' FSL and 925' FWL of Section 30, T31N-R09W. The non-standard location is necessitated by topographical conditions, steep terrain and existing pipelines - and would insure the conservation of surface and subsurface resources in the area. This location was staked non-standard for the Basin Fruitland Coal formation in order to best fit the existing steep terrain and maintain footage away from the edge of the cliff to avoid any adverse impact.

The location is on an existing pad of a once permitted Fruitland Coal well named Riddle Gas Com C #1 API# 30-045-28614.

To aid in your review attached is a C-102 and a 9 Section well Location plat, indicating the proposed well location and the existing Fruitland Coal wells in the BP operated 299.10 acre unit in the W/2. Also attached is a topographical map.

Your attention to this matter is greatly appreciated. Should you have any questions concerning this application please do not hesitate to call me at 281-366-4081.

Sincerely,

A handwritten signature in cursive script that reads "Cherry Hlava".

Cherry Hlava

cc: Charlie Perrin, Supervisor  
NMOCD District III  
1000 Rio Brazos Road  
Aztec, NM 87410

Re: Riddle C LS #5  
2110' FSL, 925' FWL, Section 30, T31N, R9W, San Juan Country, NM

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

Burlington Resources  
Attn: David Valdez  
P.O. Box 4289  
Farmington, NM 87499-4289

Energen Resources Corporation  
2198 Bloomfield Highway  
Farmington, NM 87401

ConcoPhillips  
Attn: Jane Strickland  
600 North Dairy Ashford WL-3  
Houston, TX 77079-1175

Koch Exploration Co.  
P.O. Box 489  
Aztec, NM 87410

Sincerely,



Cherry Hlava  
BP America  
Regulatory Analyst  
281-366-4081

District I  
O Box 1980, Hobbs NM 88241-1980  
District II  
O Drawer KK, Artesia, NM 87211-0719  
District III  
000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
O 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-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 API Number	2 Pool Code 71629	3 Pool Name Basin Fruitland Coal
4 Property Code 000976	5 Property Name Riddle C LS	6 Well Number #5
7 OGRID No. 000778	8 Operator Name BP AMERICA PRODUCTION COMPANY	9 Elevation 6638

10 Surface Location

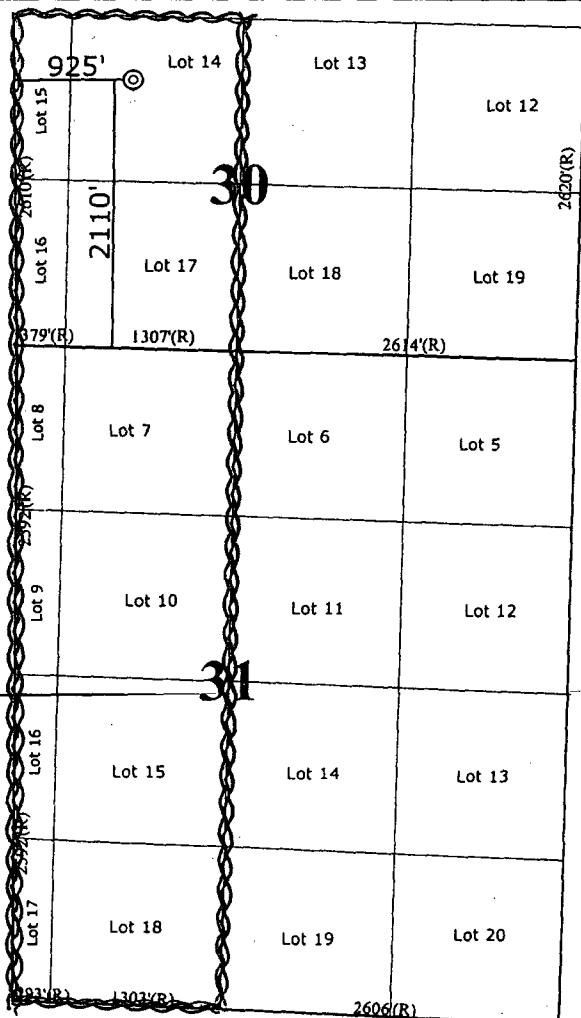
UL or Lot No. (Lot 14)	Section 30	Township 31 N	Range 9 W	Lot Idn	Feet from the 2110	North/South line SOUTH	Feet from the 925	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

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

Dedicated Acres 299.10	12 Joint or Infill	13 Consolidation Code	14 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.

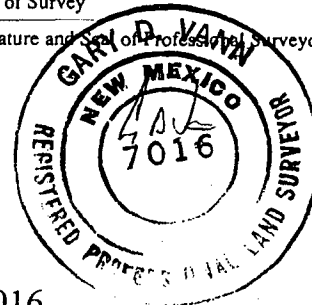
Signature  
Cherry Hlava  
Printed Name  
Cherry Hlava  
Title  
Regulatory Analyst  
Date  
9-1-05

18 SURVEYOR CERTIFICATION

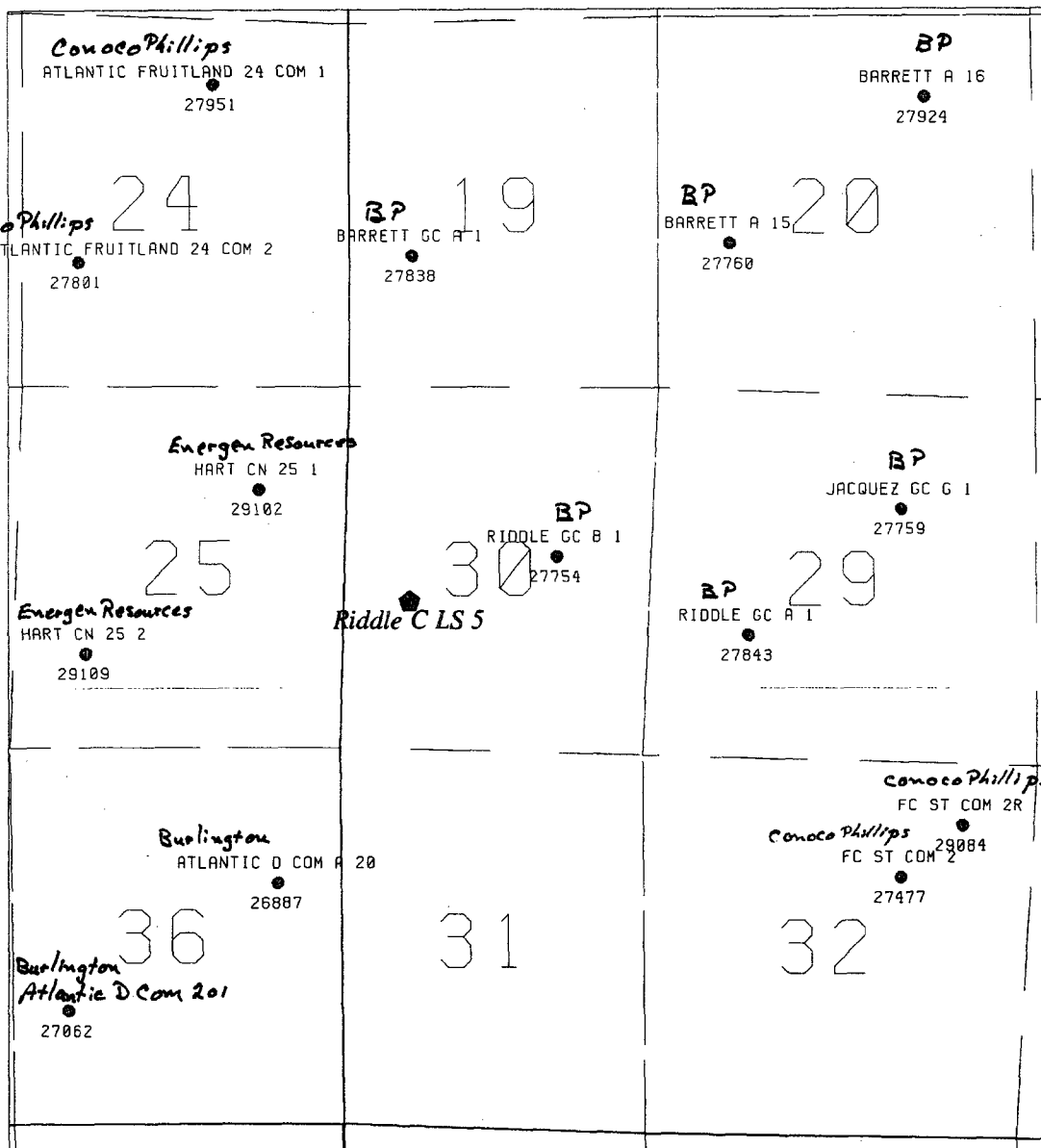
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey  
August 11, 2005

Signature and Seal of Professional Surveyor



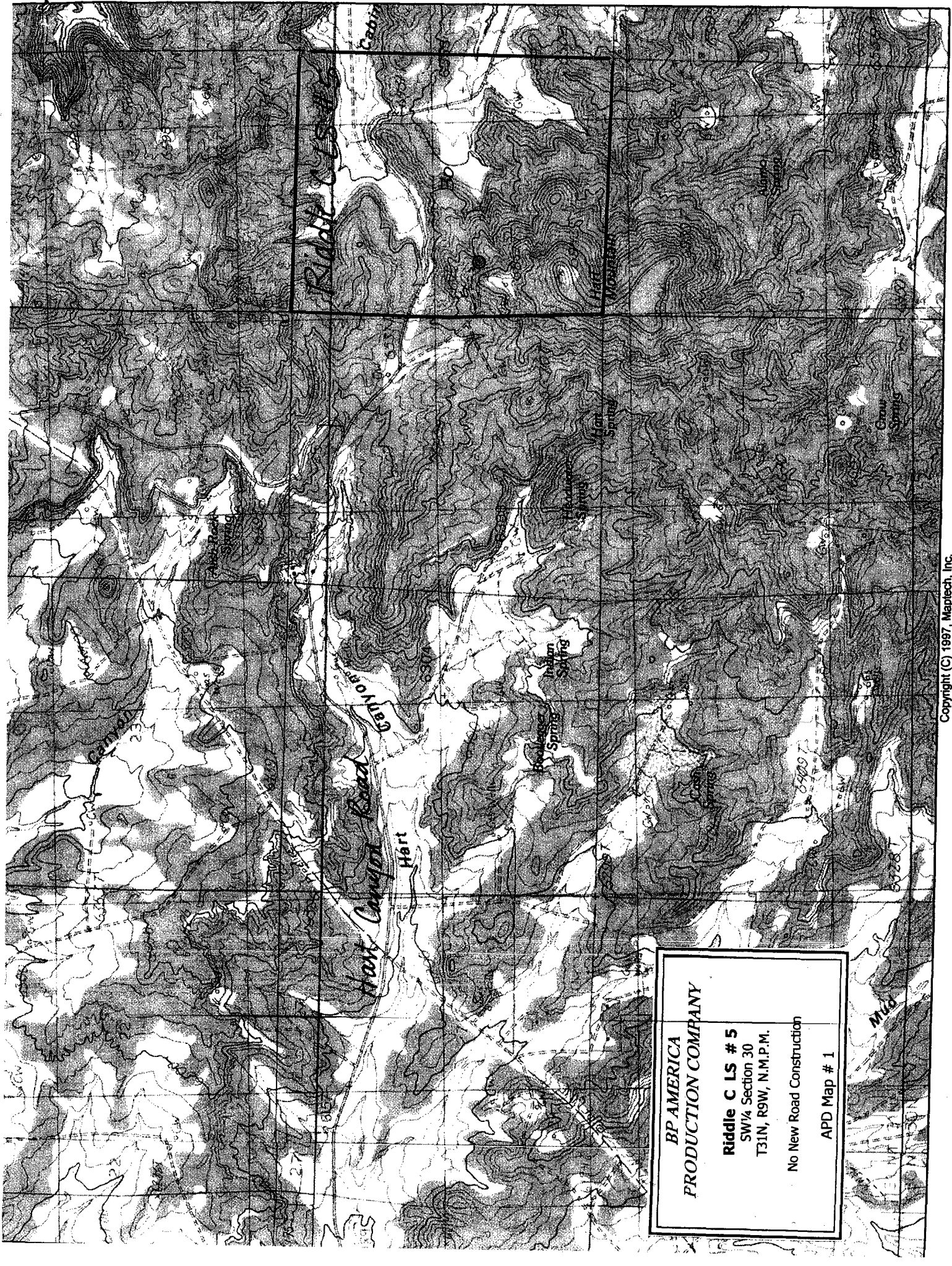
7016  
Certificate Number



BP America Production Co.  
Houston, TX

T31N R9W Sec. 30  
Fruitland Coal Wells  
*Proposed - Riddle C LS 5*

SCALE	DRAWN M. J. RITZ	DATE 6-SEP-2005
DRAWING		



**BP AMERICA  
PRODUCTION COMPANY**

**Riddle C LS # 5**  
SW 1/4 Section 30  
T31N, R9W, N.M.P.M.

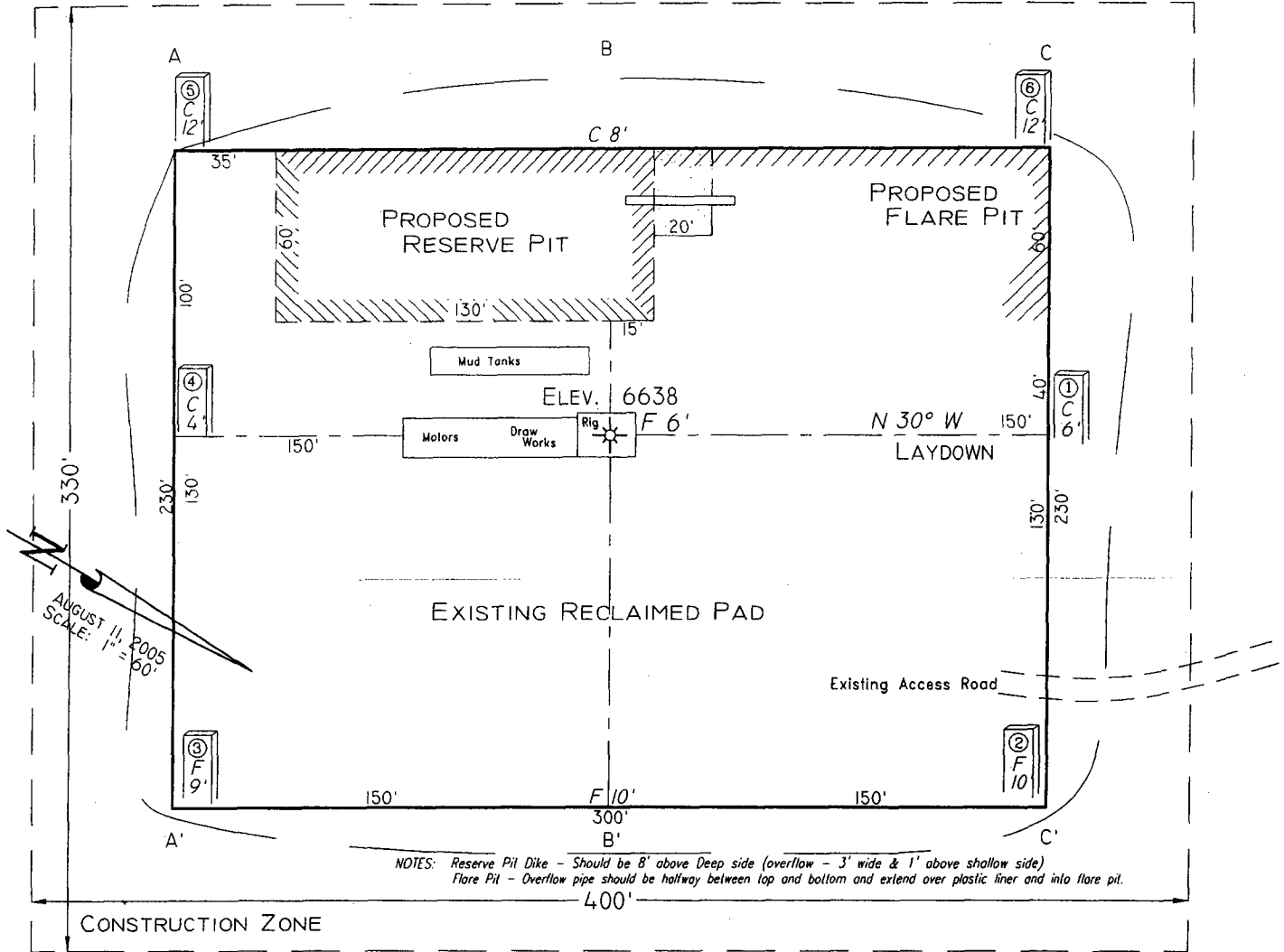
No New Road Construction

APD Map # 1

**PAD LAYOUT PLAN & PROFILE**  
**BP AMERICA PRODUCTION COMPANY**  
 Riddle C LS #5  
 2110' F/SL 925' F/WL  
 SEC. 30, T31N, R9W, N.M.P.M.  
 SAN JUAN COUNTY, NEW MEXICO

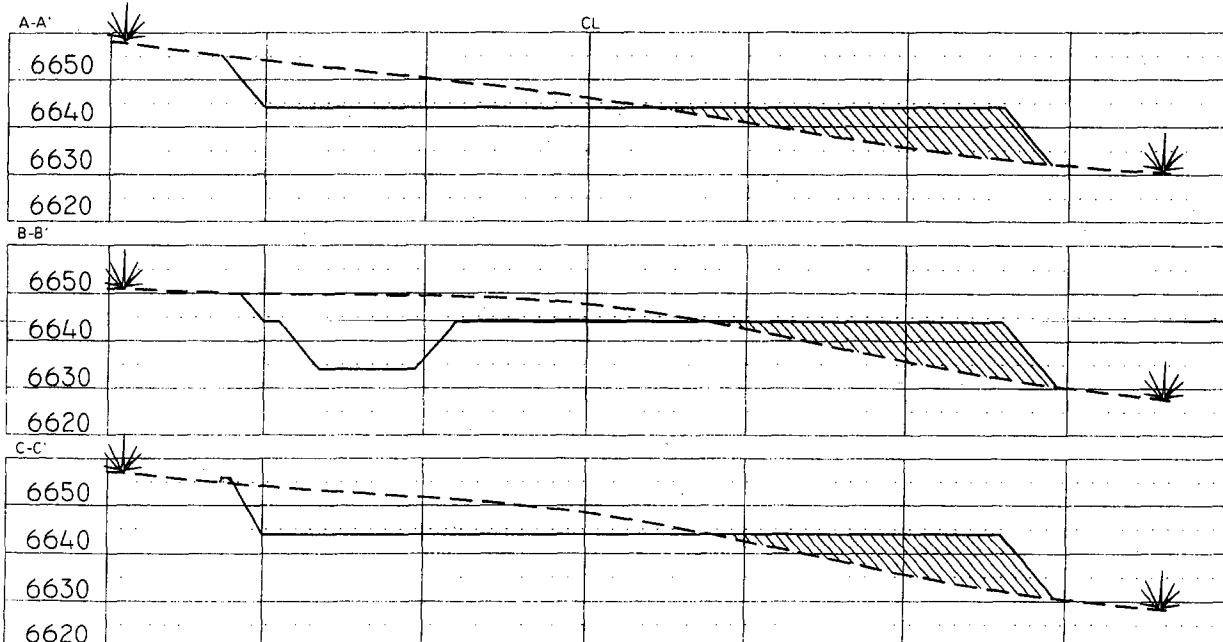
Lat: 36.8681°  
 Long: 107.8244°

Lat: 36°52'05"  
 Long: 107°49'28"



Area of Construction Zone - 330'x400' or 3.03 acres, more or less.

SCALE: 1"=60'-HORIZ.  
 1"=40'-VERT.



NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.

Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.

YANN SURVEYS  
 P. O. Box 1306  
 Farmington, NM



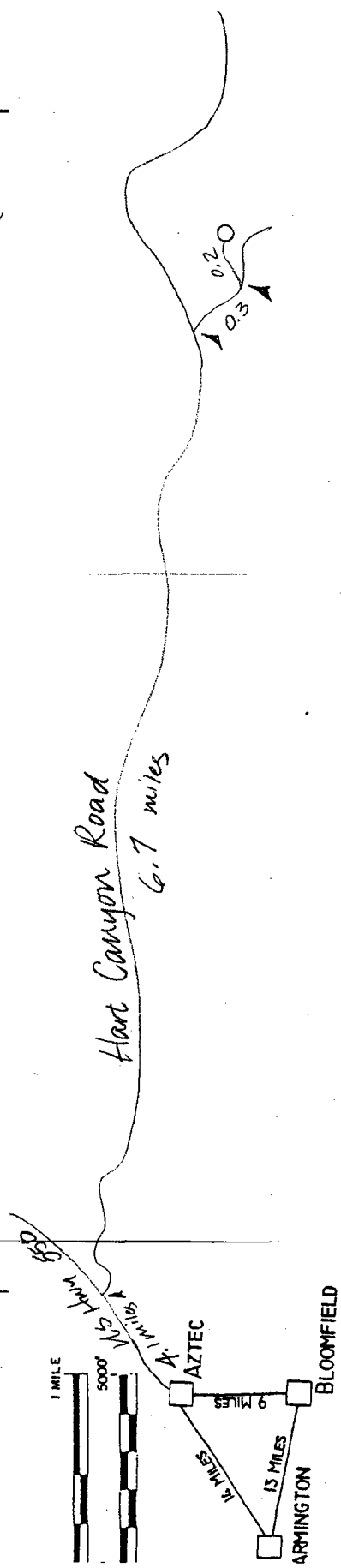
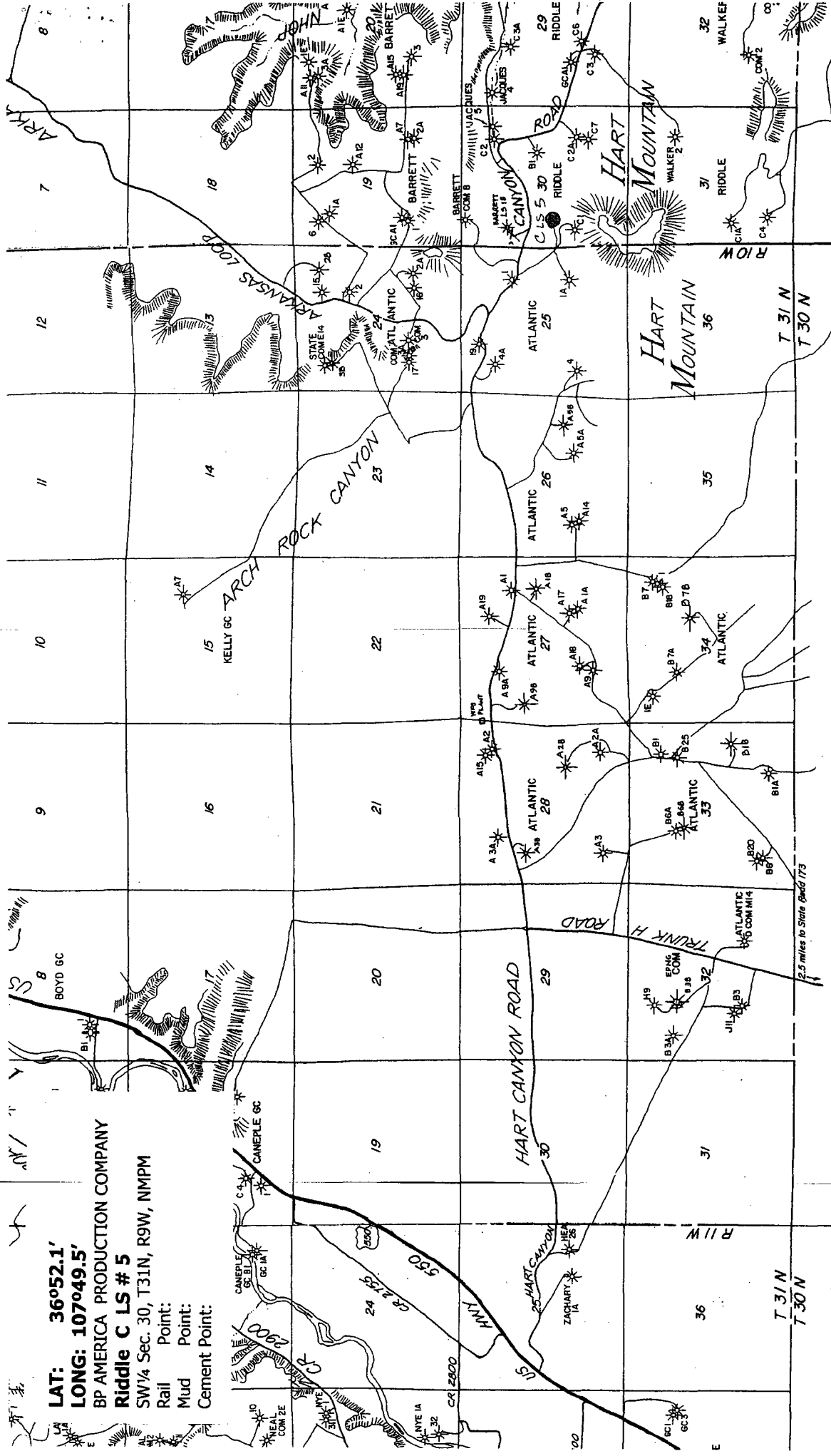
**LAT: 36°52.1'**  
**LONG: 107°49.5'**  
**BP AMERICA PRODUCTION COMPANY**  
**Riddle C L S # 5**

SW 1/4 Sec. 30, T31N, R9W, NMPM

Rail Point:

Mud Point:

Cement Point:



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

10/20/05 17:50:52  
OGOMES -TQON  
PAGE NO: 1

Sec : 30 Twp : 31N Rng : 09W Section Type : NORMAL

7 11.93 Federal owned A	6 39.98 Federal owned A	5 39.62 Federal owned A	A 40.00 Fee owned A
8 12.04 Federal owned A	9 40.68 Federal owned A	10 39.50 Fee owned A	11 39.56 Fee owned A
15 11.90 Federal owned A	14 40.55 Federal owned A	13 39.37 Fee owned A	12 39.43 Fee owned A
16 11.52 Federal owned A	17 39.60 Federal owned A	18 39.25 Federal owned A	19 39.31 Federal owned A

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

10/20/05 17:51:47  
OGOMES -TOON

Sec : 31 Twp : 31N Rng : 09W Section Type : NORMAL

PAGE NO: 1

8 10.95 Federal owned	7 38.94 Federal owned	6 39.08 Federal owned	5 39.22 Federal owned
9 10.31 Federal owned	10 38.91 Federal owned	11 39.05 Federal owned	12 39.19 Federal owned
16 9.67 Federal owned	15 38.87 Federal owned	14 39.01 Federal owned	13 39.15 Federal owned
17 9.04 Federal owned	18 38.84 Federal owned	19 38.98 Federal owned	20 39.12 Federal owned



OIL CON. DIVISION  
United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA  
1235 LAPLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401



IN REPLY REFER TO:

SF-080243 et. al. (WC)  
3162.3-1.0 (019)

JUL 18 1991

Amoco Production Company  
PO Box 800  
Denver, Colorado 80201

**RECEIVED**

JUL 19 1991

**OIL CON. DIV.,  
DIST. 3**

Gentlemen:

Enclosed are your Applications for Permit to Drill well Nos.:

- ✓ 1. No. 3 Florance Gas Com I, sec. 18, T 30 N, R 9 W, SF-080243
- ✓ 2. No. 3 Florance "AA", sec. 8, T 30 N, R 9 W, SF-078129-A
- ✓ 3. No. 3 Florance "AE", sec. 25, T 30 N, R 10 W, SF-080776
- ✓ 4. No. 7 Florance "AD", sec. 24, T 30 N, R 10 W, SF-078116
- ✓ 5. No. 9 Riddle "H", sec. 17, T 30 N, R 9 W, SF-080244
- ✓ 6. No. 5 Elmer E. Elliott "A", sec. 15, T 30 N, R 9 W, SF-078139
- ✓ 7. No. 3 Giomi Gas Com "C", sec. 28, T 30 N, R 9 W, SF-078042
- ✓ 8. No. 1 Walker Gas Com A, sec. 31, T 31 N, R 9 W, SF-078316-F
- ~~9. No. 1 Riddle Gas Com C, sec. 30, T 31 N, R 9 W, SF-078319-A~~

All of the above referenced wells are located in San Juan County, New Mexico. As Discussed with Cindy Burton of your company on June 27, 1991, the subject APDs are rescinded and returned due to drilling not being commenced within one year of the approval date.

You are required to request surface rehabilitation instructions from this office if construction activities occurred on the referenced drill sites. If this office does not receive comment within 30 days, we will presume that no construction occurred and proceed accordingly. Later discovery that construction activities have in fact occurred, may result in assessment of liquidated damages.

Sincerely,

/s/ John L. Keller

John L. Keller  
Chief, Branch of Mineral Resources

9 Enclosures

cc:

New Mexico Oil Conservation Division, 1000 Rio Brazos Rd., Aztec,  
NM 87410

**ABANDONED LOCATION**

OIL CONSERVATION DIVISION  
RECEIVED

'80 OCT 26 AM 9 31  
Form 1004-1113  
December 1989

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
OCT 17 1990  
AM 11:32

FORM APPROVED  
Budget Bureau No. 1004-1113  
Expires September 30, 1990

5. Lease Designation and Serial No.  
SF-078318A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other Coal Seam

2. Name of Operator

Amoco Production Company ATTN: J.L. Hampton

3. Address and Telephone No.

P. O. Box 800 Denver, Colorado 80201

4. Location of Well (Range, Sec., T., R., M., or Survey Description)

2120' FSL, 890' FWL Sec. 30, T31N-R9W SW/4

6. If Indian, Allottee or Tribe Name

7. If Unit or Co. Agreement Designation

8. Well Name and No.  
Riddle Gas Com "C" #1

9. API Well No.

10. Field and Foot, or Exploratory Area

Basin Fruitland Coal Gas

11. County or Parish, State

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

Well will be Dir. Drilled.

Note: Report results of multiple completion on Well Completion or  
Recompletion Report and Log form 1

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The subject well will be directionally drilled.

Surface location 2120' FSL, 890' FWL.

Target formation 1769' FSL, 890' FWL. TVD 3098'

BHL location 1721' FSL, 890' FWL. TVD 3408'

See the attached plat showing surface and BHL locations.

RECEIVED  
OCT 17 1990  
OIL CON. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed

J. L. Hampton

Title

Sr. Staff

Admin. Supervisor

ACCEPTED FOR RECORD  
Date 9/17/90

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

OCT 12 1990  
Date

FARMINGTON RESOURCE AREA

NMOCD

All distances must be from the outer boundaries of the Section.

Operator <b>Amoco Production Company</b>		Lease <b>Riddle Gas Com 'C'</b>		Well No. <b>#1</b>
Unit Letter <b>K</b>	Section <b>30</b>	Township <b>31 North</b>	Range <b>9 West</b>	County <b>San Juan</b>
Actual Postage Location of Well: <b>2120</b> feet from the <b>South</b> line and <b>890'</b> feet from the <b>West</b> line				
Ground Level Elev. <b>6641</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal Gas</b>	Dedicated Acreage: <b>SW 1/4 Sec. 30</b> <b>249.10</b> <b>W 1/2 Sec. 31</b> <b>Acres</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. **Dist. 3** 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 interests, has been approved by the Division.

CERTIFICATION

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

**J.L. Hampton/CB**

Name  
**J.L. Hampton**

Position  
**SR Staff Admin. Supv.**

Company  
**Amoco Production Co.**

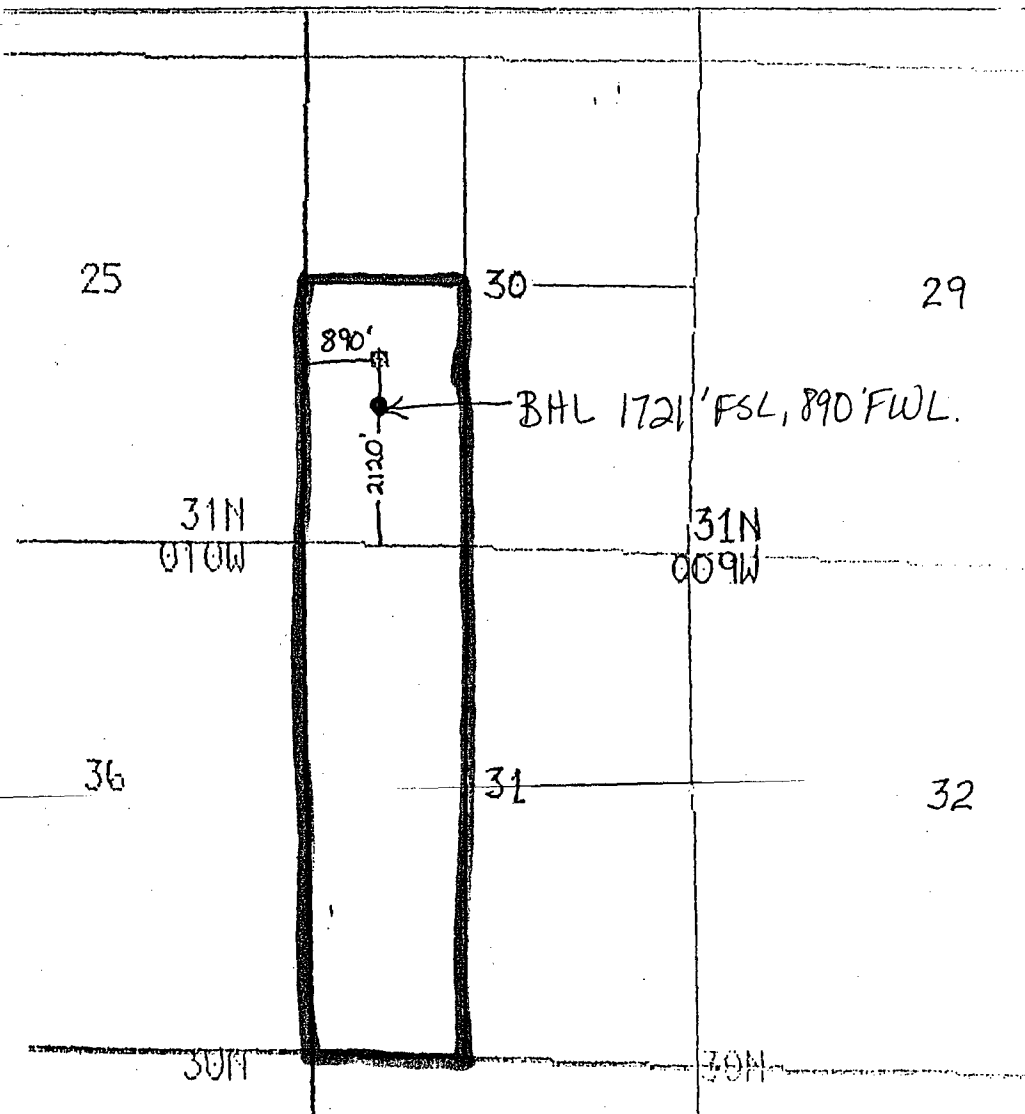
Date  
**9/14/90**

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.

Date Surveyed  
**"on file" Sec. 30**

Registered Professional Engineer and/or Land Surveyor

Certificate No.



OIL CONSERVATION DIVISION  
RECEIVED

'90 AUG 23 AM 9 24

Form 1000-3  
December 1989

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-1133  
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Coal Seam

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address and Telephone No.

P.O. BOX 800, DENVER, COLORADO 80201. ATTN: JOHN HAMPTON RM 1846

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2120 FSL, 890 FWL, NE/SW, Sec. 30, T31N R6W

5. Lease Designation and Serial No.

SF-078319A

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A. Agreement Designation

8. Well Name and No.

Riddle Gas Com "C"

9. API Well No.

#1

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal Ge

11. County or Parish, State

San Juan, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

Change in drilling program

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached revision to the drilling program changing the subject well from a top-set to a drill-thru into the picture cliffs.

RECEIVED  
AUG 21 1990  
OIL CON. DIV.  
DIST. 3

RECEIVED  
MAIL ROOM  
90 AUG -2 AM 9:01  
SANDHILL AREA  
SANDHILL NEW MEXICO

Please contact Cindy Burton<sup>®</sup> (303)839-5119 if you have any questions.

APPROVED

14. I hereby certify that the foregoing is true and correct

Signed

J. L. Hampton

Title

Sr. Staff Admin. Supr.

Date

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

NMOCD

Ken Townsend

FOR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement.

## AMOCO PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Date: \_\_\_\_\_

Lease & Well # Riddle Gas Com 1 Cty/St San Juan/NM FLAC NO. \_\_\_\_\_  
 Field Basin Fruitland Coal Gas Operation Center San Juan  
 Surf. Loc. 80' FWL, 2120' FSL Sec. 30 T31N-R9W BHLOC  
Coal Degas # 225 NE 15W

CRITICAL WELL \_\_\_\_\_ NON-CRITICAL WELL XORIGINAL X REVISION # \_\_\_\_\_

## APPROXIMATE DEPTHS OF GEOLOGICAL MARKERS

ESTIMATED ELEVATION 6653 KB

## SPECIAL SURVEYS

TYPE DEPTH INTERVAL  
 FDC/GR/CAL (TD+1000')-TD  
 Microlog (TD+1000')-TD

REMARKS Run FDC at slow speed high sample rate through bottom 1000' of hole. Bulk Density presentation as per standard coal log format. Customer edit 9 track LIS tape to W.L. Pelzmann in Denver - ASAP

## SPECIAL TESTS

None

## REMARKS

MARKER	TVD ELEV.	MEAS. DEPTH
Ojo Alamo	+ <u>4024'</u>	<u>2629'</u>
Fruitland #	+ <u>3555'</u>	<u>3098'</u>
Pictured Cliffs	+ <u>3240'</u>	<u>3413'</u>

TOTAL DEPTH + 3440' 3413'

\*POSSIBLE PAY #PROBABLE COMPLETION INTERVAL

DRILL CUTTING SAMPLES	DRILLING TIME
FREQUENCY DEPTH INTERVAL	DEPTH FREQUENCY INTERVAL
None	Geolograph BSC-TD

REMARKS Correct for actual elevation if necessary. The actual total depth will be 200' below the the last coal.

## MUD PROGRAM

Approximate Interval	Type Mud	Weight #/Gal.	Viscosity Sec. API	W.I. CC/30M	Other Specifications
0-250'	spud				
250-TD	LSND	8.6-11.0			Sufficient to clean hole and maintain hole conditions for logs.

Remarks: \_\_\_\_\_

CASING PROGRAM (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

CASING STRING CONDUCTOR	EST. DEPTH	CASING SIZE	HOLE SIZE	SX CEMENT	TYPE CEMENT	DESCRIP. OF LANDING PT
-------------------------	------------	-------------	-----------	-----------	-------------	------------------------

SURFACE	250'	8 5/8"	12 1/4"	to sfc.	**	
---------	------	--------	---------	---------	----	--

INTERMEDIATE

OIL STRING	TD	5 1/2"	7 7/8"	to sfc.	**	
------------	----	--------	--------	---------	----	--

LINER CASING

Remarks: \*\* Operation Center Drilling Engineer to design.

WELLHEAD: 2,000 psi threaded equipment

COMPLETION PROGRAM: Southern Division Coal Degas Group to design

GENERAL REMARKS: This well to be maintained in confidential status.

Prepared by: W. L. Pelzmann, T. R. Enterline, J. L. Spitler, G. E. Gray

Approvals: \_\_\_\_\_

PRODUCTION DEPARTMENT  
C:CODEGAS2.SHL

DATE

EXPLORATION DEPARTMENT

DATE



Form 3100-5  
December 1989

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MAIL ROOM

UNITED STATES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

90 APR 30 AM 8:18

OIL CONSERVATION DIVISION  
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4 PM 10 10

FORM APPROVED  
Budget Bureau No. 1004-1135  
Expires September 30 1990

5. Lease Designation and Serial No.

SF-078318A, SF-078316F

6. If Indian, Allottee or Tribe Name

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Coal Seam

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address and Telephone No.

P.O. BOX 800, DENVER COLORADO 80201 ATTN. JOHN HAMPTON RM. 1846

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

890' FWL, 2120' FSL, NE/SW, Sec. 30, T31N R9W

7. If Unit or C.A. Agreement Designation

8. Well Name and No.

Riddle Gas Com "C"

9. API Well No.

#1

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

#### TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

Changes to drilling program

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached revised drilling program (changes in formation tops, total depth, etc.).

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MAY 29 1990

OIL CON. DIV.  
DIST. 3

Please contact Cindy Burton (303)830-5119 if you have any questions.

APPROVED

14. I hereby certify that the foregoing is true and correct

Signed

John Hampton CEB

Title Sr. Staff Admin. Supr.

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

ch

Title

NMOCD

Ken T...

Date

FOR

AREA MANAGER

FARMINGTON RESOURCE AREA

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

Date: 4/23/90

Lease & Well # Riddle Gas Com /C/ #1 Cty/St San Juan/NM FLAC NO. \_\_\_\_\_  
 Field Basin Fruitland Coal Gas Operation Center San Juan/Durango  
 Surf. Loc. 31N 9W Sec. 30 2120 FSL 890 FWL BHLOC same  
 Coal Degas # 225

CRITICAL WELL \_\_\_\_\_ NON-CRITICAL WELL xORIGINAL x REVISION # \_\_\_\_\_

## LOGGING PROGRAM

TYPE	DEPTH INTERVAL
FDC/GR/CAL	TD to base of 7" casing
Microlog	
Mudlogger	TD to base of 7" casing

REMARKS Run FDC at slow speed, high sample rate. Bulk density presentation as per standard coal log format. Customer edit 8 track LIS tape to W. L. Pelzmann in Denver - ASAP.

NOTE Mudlogs will be the only log if the well is completed as an open hole. The log suite stated above will be run only if the well is deepened into the Pictured Cliffs.

## APPROXIMATE DEPTHS OF GEOLOGICAL MARKERS

ESTIMATED ELEVATION 6653 KB

MARKER	TVD ELEV.	MEAS. DEPTH
Ojo Alamo	+4024	2629
Fruitland	+3555	3098
Ignacio Seam #	+3423	3230
Cottonwood Seam #	+3370	3283
Cahn Seam #	+3310	3343
Pictured Cliffs	+3240	3413

TOTAL DEPTH +3245 3408

\*POSSIBLE PAY #PROBABLE COMPLETION INTERVAL

DRILL CUTTING SAMPLES	DRILLING TIME
FREQUENCY DEPTH INTERVAL	FREQUENCY DEPTH INTERVAL
10' Base 7" csg.-TD	Geolograph BSC-TD

Remarks The Pictured Cliffs will not be penetrated if the well is completed successfully open hole. If the well is not a successful open hole completion, the well will be deepened to 3608'. Mud-logger to modify TD based on location of basal seam

## MUD PROGRAM

Approximate Interval	Type Mud	Weight #/Gal.	Viscosity Sec. API	W/L CC/30M	Other Specifications
----------------------	----------	---------------	--------------------	------------	----------------------

0-250'	spud				
250'-int.csg pt.	LSND	8.6-8.9	Sufficient to clean hole.		
int. csg pt. -	water w/induced air for hole cleaning purposes.				
top of Pictured Cliffs					

Remarks: In the event the well does not yield commercial volumes of gas from the open hole completion, the water filled hole will be mudded up and weighted up (9-11 #/gal) with LSND mud for hole stability and well control. The well will then be deepened approximately 200' into the Pictured Cliffs to provide necessary footage for a cased and cemented completion technique to allow a fracture stimulation.

CASING PROGRAM (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

CASING STRING	DEPTH	EST. CASING SIZE	HOLE SIZE	CEMENT SX	CEMENT TYPE	DESCRIP. OF LANDING PT
SURFACE	250	9 5/8	12 1/4	to sfc.	**	
INTERMEDIATE	3170	7"	8 3/4	to sfc.	**	Above abnormally pressured coal seams
LINER CASING	TD	N/A	6 1/4	None	***	Open hole

Remarks: \*\*\* A contingency 5 1/2" liner will be run and cemented if the well is deepened into the Pictured Cliffs for a fracture stimulation. \*\* Operation Center to design.

WELLHEAD: 3,000 psi flanged equipment

COMPLETION PROGRAM Planned open hole completion. A contingency completion will require as many as two fracture stimulations.

GENERAL REMARKS: This well to be maintained in confidential status. Region is to provide statement in permit to regulatory agencies that indicates the Pictured Cliffs will be penetrated approximately 200' in the event the planned open hole completion in the coal seams does not yield a commercial volume of gas. The contingency plan to drill into the Pictured Cliffs will allow adequate rat hole for a cemented liner across the coal seam. The cemented liner will provide isolation for a necessary fracture stimulation to initiate a commercial volume of gas.

## PREPARED BY:

G. E. Gray, W. L. Pelzmann, T. R. Enterline J. L. Spitler

## APPROVALS:

PRODUCTION DEPARTMENT	DATE	EXPLORATION DEPARTMENT	DATE
-----------------------	------	------------------------	------

a:riddlel.gcb disk 64

Amoco proposes to drill the well to further develop the Fruitland Coal reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to the intermediate casing point with a non-dispersed mud system. The attached modified 12" 3000 psi blowout preventer will be used. Amoco will attempt to complete the Fruitland coal by drilling the interval with water and air. A service unit will probably be used to drill into the coals using the attached modified 6" 3000 psi BOP. If commercial productivity is established, then the well will be completed as an open hole.

#### SURFACE CASING

<u>Quantity</u>	<u>Size</u>	<u>Weight</u>	<u>Description</u>	<u>Cement Program</u>
250'	9 5/8"	36#	K55 ST&C	200 cf Class B, 2% CaCl <sub>2</sub> 15.6 ppg

#### INTERMEDIATE CASING

<u>Quantity</u>	<u>Size</u>	<u>Weight</u>	<u>Description</u>	<u>Cement Program</u>
3170'	7"	20#	K55 ST&C	888 cf Class B, 65:35:5-10% salt, .25% dispersant 13.1 ppg 118 cf Class B 2% CaCl <sub>2</sub> 15.6 ppg

The above casing design is based upon a 9.0#/gallon mud weight.

#### CONTINGENCY OPERATIONAL PLAN

In the event the well does not yield commercial volumes of gas from the open hole completion, the water filled hole will be mudded-up and weighted-up as necessary (9-11#/gal.) for hole stability and well control. The well will then be deepened approximately 200' into the Pictured Cliffs formation to provide necessary footage for a cased and cemented completion technique. The Fruitland coals will then be perforated and fracture stimulated. The Pictured Cliffs formation will be isolated with cement.

#### CONTINGENCY LINER

650'	4-1/2"	11.6#	K55 LT&C	250 cf Class B
------	--------	-------	----------	----------------

The contingency string is based upon an 11.0#/gallon mud weight.

#### EVALUATION

Mud logs will be the only logs run if the well is completed as an open hole. The log surveys (FDC/GR/CAL, Microlog, Mudlogger) will be run only if the well is drilled into the Pictured Cliffs formation, and only if well condition is suitable to allow proper wireline log interpretation.

apdatt.clb disk 210

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

B. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER Coal Seam ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Amoco Production Company ATTN: J. L. Hampton

3. ADDRESS OF OPERATOR

P. O. Box 800 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
890' FWL, 2120' FSL NE/SW  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 890'

18. NO. OF ACRES IN LEASE 1240.80 905.92

17. NO. OF ACRES ASSIGNED TO THIS WELL 320 acres W 1/2 299.10

15. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3405' TD

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6641' GR

22. APPROX. DATE WORK WILL START\* As soon as permitted

23. This action is subject to technical and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36#	250'
8 3/4"	7"	20#	3165'
6 1/4"	4 1/2"	23# 11.6	3405' (TD)

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"  
200 cf Class B (cement to surface)  
886 cf Class B (cement to surface)  
None \*

Notice of Staking was Submitted: 3/19/90

Lease Description:

T31N-R9W:

Sec. 29: Lots 1,2,3,5-12

Sec. 30: Lots 5,6,8-19

Sec. 31: Lots 5-12

Sec. 32: Lots 2,3

RECEIVED  
MAY 07 1990  
OIL CON. DIV  
DIST. 3

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. L. Hampton/CUB TITLE Sr. Staff Admin. Supervisor DATE 4/5/90  
(This space for Federal or State Office Use)

PERMIT NO. APPROVAL DATE

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE NMOCD

APPROVED  
AS AMENDED

MAY 04 1990  
AREA MANAGER

\*See Instructions On Reverse Side

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

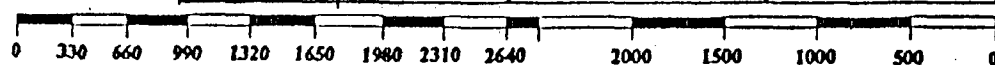
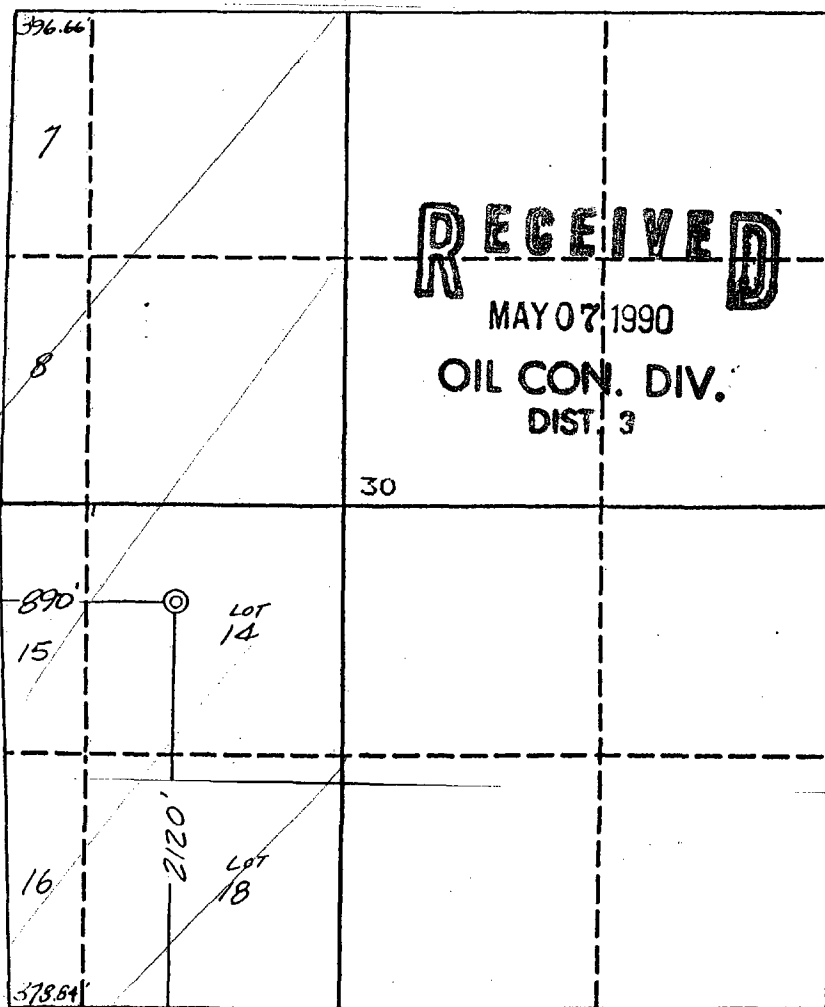
All Distances must be from the outer boundaries of the section

Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>RIDDLE GAS COM /C/</b>		Well No. <b># 1</b>
Unit Letter <b>K</b>	Section <b>30</b>	Township <b>31 NORTH</b>	Range <b>9 WEST</b>	County <b>SAN JUAN</b>

Actual Footage Location of Well:  
2120 feet from the **SOUTH** line and 890 feet from the **WEST** line

Ground level Elev. <b>6641</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal Gas W/2</b>	Dedicated Acreage: <b>299.10</b> Acres
-----------------------------------	--	---	---

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 ☐ 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.



OPERATOR CERTIFICATION

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

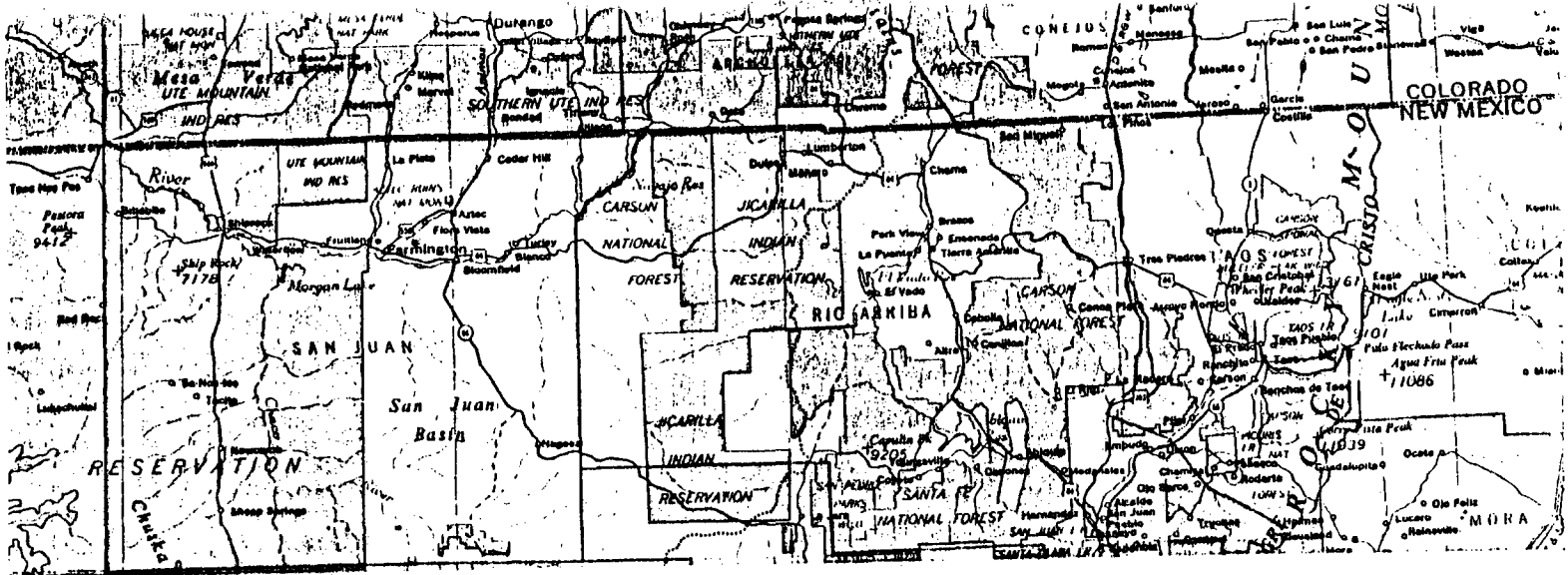
Signature *J. L. Hampton*  
Printed Name **J. L. Hampton**  
Position **Sr. Staff Admin Supr**  
Company **Amoco Prod. Company**  
Date **3/16/90**

SURVEYOR CERTIFICATION

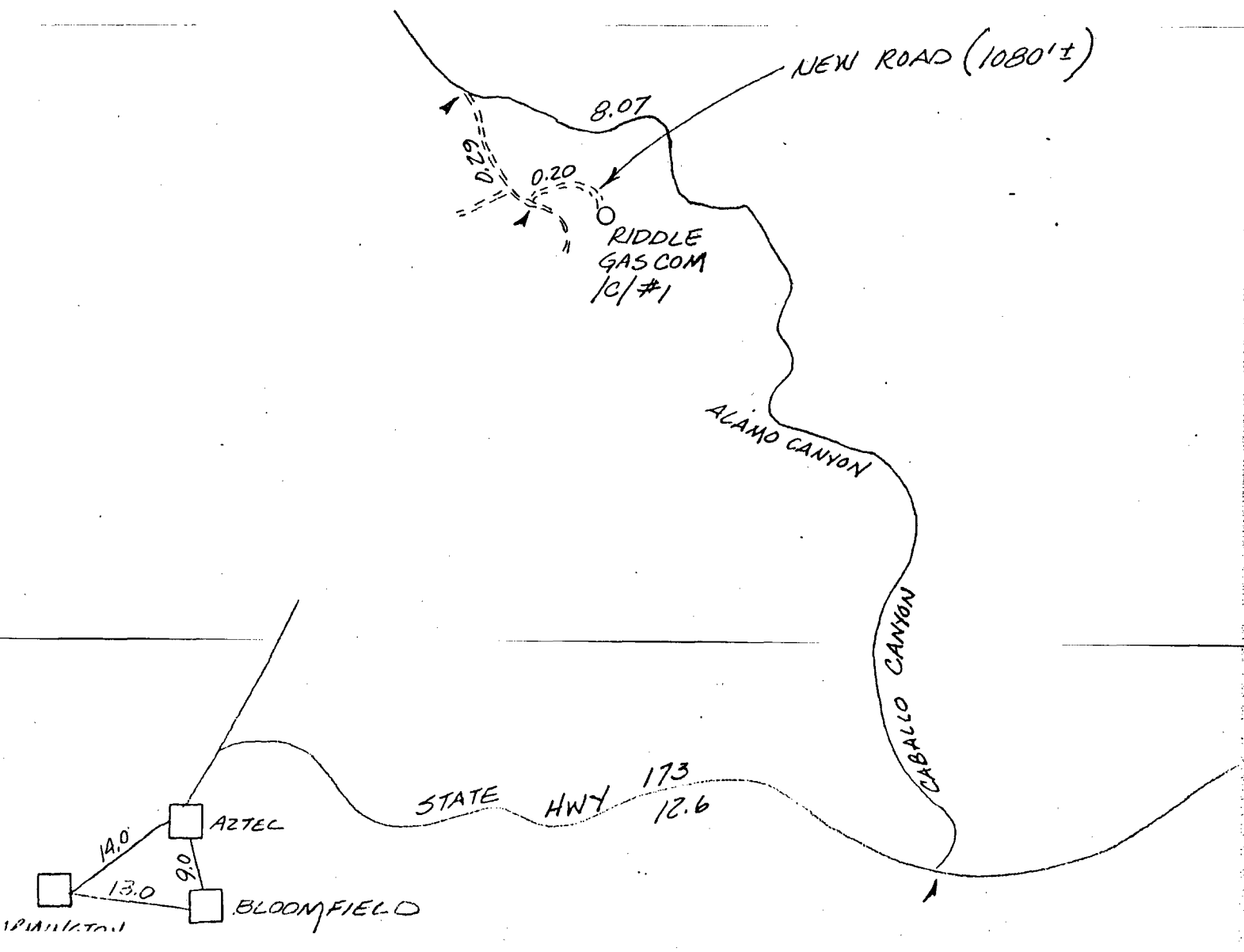
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **March 5, 1990**

Signature & Seal of Professional Surveyor  
**GARY D. VANN**  
Registered Professional Land Surveyor  
New Mexico  
7016



MIDDLE GAS COM /C/ # 1  
 120' F/SL 890' F/WL  
 EC. 30, T31N, R9W, NMPM  
 AIL POINT: 163 miles - Montrose, Co.  
 JD POINT: 21 miles - Aztec, NM  
 EMENT POINT: 35 miles - Farmington, NM



Se. OIL CONSERVATION DIVISION  
RECEIVED

'93 JUN 12 AM 9 22

NMSF-078319-A (WC)  
3162.3-1.0 (070)

JUN 24 1993

**RECEIVED**  
JUN 28 1993  
OIL CON. DIV.  
DIST. 3

Mr. Ed Hadlock  
Amoco Production Company  
P. O. Box 800  
Denver, Co 80201-0800

Dear Mr. Hadlock:

Returned with no action taken is your Sundry Notice of May 10, 1993 and your Application for Permit to Drill (APD) Well No. 1 Riddle Gas Com C, 2120' FSL & 890' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$ ), sec. 30, T. 31 N., R. 9 W., San Juan County, New Mexico, Federal lease No. NMSF-078319-A. Your request for an extension of the APD was received after the APD had expired and we grant extensions only when they are received prior to expiration. The subject APD expired as of April 15, 1993, and is returned. Any expired APD may be resubmitted at any time.

You are required to request surface rehabilitation instructions from this office if construction activities have occurred on the referenced drill site. If this office does not receive comment within 30 days, it will be presumed that no construction occurred. Later discovery that construction activities have occurred, may result in assessment of liquidated damages. If you have any questions, please contact Mr. Errol Becher of this office at (505) 599-6358.

Sincerely,

**Ken Townsend**

Ken Townsend  
Chief, Branch of Drilling  
and Production

Enclosures (2)

bcc:  
New Mexico Oil Conservation Division, 1000 Rio Brazos Rd., Aztec, NM 87410  
Well file  
3162.3-1.0  
DOMR Reader  
FSM  
Carto  
Adj.  
019:Becher:cp:06/24/93:X358:EXPAPD.1

**ABANDONED LOCATION**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION

RECEIVED

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

SF - 0.8319-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Riddle Gas Com C #1

9. API Well No.

30-045-28614

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company Attn: Ed Hadlock

3. Address and Telephone No.

P.O. Box 800 Denver CO 80201 (303) 830-4982

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

890' FWL, 2120' DSL NE/SW

Sec. 30 T31N-R9W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other APD Extension

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

moco requests an extension on the subject well's APD which will expire on 10/15/92.

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OCT 20 1992

OIL CON. DIV.  
DIST. 3

APPROVED

OCT 16 1992

AREA MANAGER

APR 15 1993

THIS APPROVAL EXPIRES

RECEIVED  
BLM  
OCT 13 PM 1:26  
019 FARMINGTON, N.M.

14. I hereby certify that the foregoing is true and correct

Signed

Ed Hadlock

Title

Admin Analyst

Date

10/8/92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

NMOCD



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

30-045-28614

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER Coal Seam ☐  
SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Amoco Production Company  
3. ADDRESS OF OPERATOR  
ATTN: J. L. Hampton

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
P. O. Box 800 Denver, Colorado 80201  
890' FWL, 2120' FSL NE/SW  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 890'

16. NO. OF ACRES IN LEASE  
905.92

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320 acres W/2 208.20

13. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
3405' TD

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.  
6641' GR  
PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START\*  
As soon as permitted

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	250'	200 cf Class B (cement to surface)
8 3/4"	7"	20#	3165'	886 cf Class B (cement to surface)
6 1/4"	5 1/2"	23#	3405' (TD)	None *

Notice of Staking was Submitted: 3/19/91

Lease Description:

T31N-R9W:

Sec. 29: Lots 1,2,3,5-12

Sec. 30: Lots 5,6,8-19

Sec. 31: Lots 5-12

Sec. 32: Lots 2,3

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OCT 17 1991

OIL CON. DIV.]  
DIST. 3

Replacement for expired APD

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. L. Hampton TITLE Gr. Staff Admin. Supervisor DATE 7/19/91  
(This space for Federal or State land use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

OCT 15 1991

AREA MANAGER

Hold C-104 for NSP

NMOCD

\*See Instructions On Reverse Side

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

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

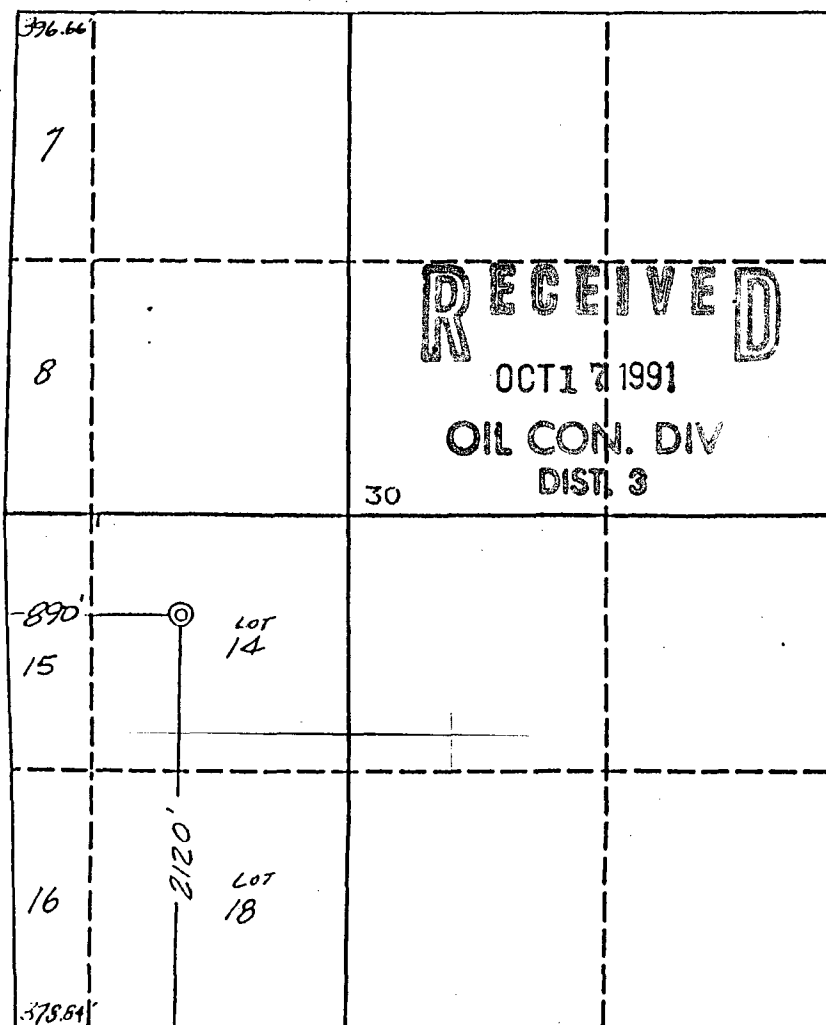
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>AMDCO PRODUCTION COMPANY</b>			Lease <b>RIDDLE GAS COM /C/</b>		Well No. <b># 1</b>
Unit Letter <b>K</b>	Section <b>30</b>	Township <b>31 NORTH</b>	Range <b>9 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>2120</b> feet from the <b>SOUTH</b> line and <b>890</b> feet from the <b>WEST</b> line					
Ground level Elev. <b>6641</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal Gas W/2</b>	Dedicated Acreage <b>299.10</b> Acres <b>208.20</b>		
<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 _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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>					



OPERATOR CERTIFICATION

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

Signature *J. L. Hampton*  
Printed Name **J. L. Hampton**  
Position **Sr. Staff Admin. Supr**  
Company **Amoco Prod. Company**  
Date **3/16/90**

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.

Date Surveyed  
**March 5, 1990**

Signature & Seal of  
Professional Surveyor  
**GARY D. VANN**  
**7016**  
Gary  
Certified  
**7016**  
REGISTERED PROFESSIONAL LAND SURVEYOR

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

B. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER Coal Seam ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company ATTN: J. L. Hampton

3. ADDRESS OF OPERATOR

P. O. Box 800 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface

890' FWL, 2120' FSL NE/SW  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any) 890'

16. NO. OF ACRES IN LEASE  
905.92

13. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

18. PROPOSED DEPTH  
3405' TD

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6641' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36#	250'
8 3/4"	7"	20#	3165'
6 1/4"	5 1/2"	23#	3405' (TD)

5. LEASE DESIGNATION AND SERIAL NO.

SF-078319-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Riddle Gas Com C

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal Gas

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 30 T31N-R9W

12. COUNTY OR PARISH

San Juan NM

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

220 acres W 1/2 208.20

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

As soon as permitted

OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS"

200 cf Class B (cement to surface)

886 cf Class B (cement to surface)

None \*

Notice of Staking was Submitted: 3/19/91

Lease Description:

T31N-R9W:

Sec. 29: Lots 1,2,3,5-12

Sec. 30: Lots 5,6,8-19

Sec. 31: Lots 5-12

Sec. 32: Lots 2,3

RECEIVED  
OCT 17 1991  
OIL CON. DIV.  
DIST. 3

Replacement for expired APD

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED J. L. Hampton  
(This space for Federal or State signature)

TITLE Sr. Staff Admin. Supervisor

DATE 7/19/91

PERMIT NO.

APPROVAL DATE

APPROVED  
AS AMENDED

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

OCT 15 1991

AREA MANAGER

Hold C-104 For NSP @ NMOOD

\*See Instructions On Reverse Side

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-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

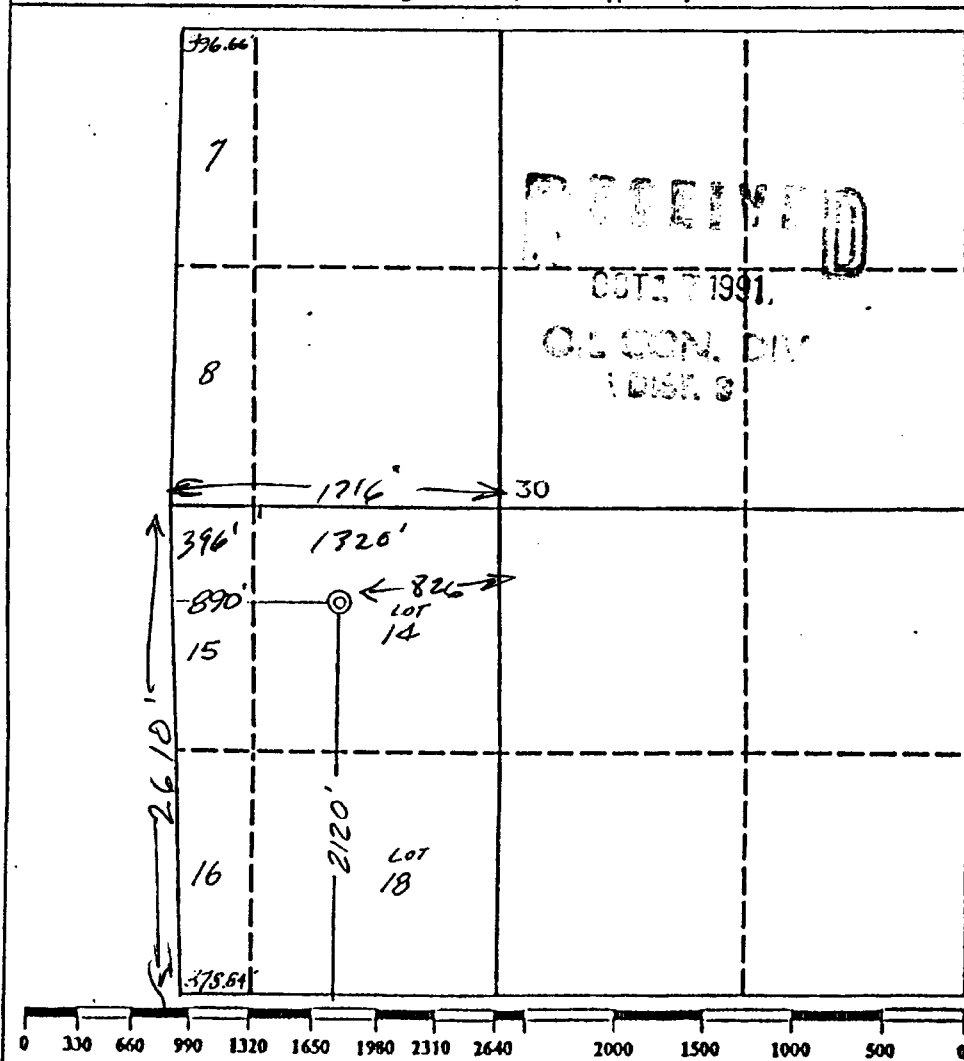
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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>AMDCO PRODUCTION COMPANY</b>			Lease <b>RIDDLE GAS COM /C/</b>		Well No. <b># 1</b>
Unit Letter <b>K</b>	Section <b>30</b>	Township <b>31 NORTH</b>	Range <b>9 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: 2120 feet from the <b>SOUTH</b> line and 890 feet from the <b>WEST</b> line					
Ground level Elev. <b>6641</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal Gas W/2</b>	Dedicated Acreage: <b>299.10</b> <b>208.20</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 _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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>					



<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature <i>J. L. Hampton</i>	Printed Name <b>J. L. Hampton</b>
Position <b>3rd Staff Admin Supr</b>	
Company <b>Amoco Prod. Company</b>	
Date <b>3/16/90</b>	
<b>SURVEYOR CERTIFICATION</b> 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.	
Date Surveyed <b>March 5, 1990</b>	
Signature & Seal of Professional Surveyor <b>GARY D. VANN</b> <b>7016</b>	
Gary Certification <b>7016</b>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company Attn: Ed Hadlock

3. Address and Telephone No.

P.O. Box 800 Denver CO 80201 (303) 830-4982

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

890' FWL, 2120' DSL NE/SW  
Sec. 30 T31N-R9W

5. Lease Designation and Serial No.

SF - 0-8319-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Riddle Gas Com C #1

9. API Well No.

30-045-28614

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other APD Extension  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco requests an extension on the subject well's APD which will expire on 10/15/92.

RECEIVED  
OCT 20 1992  
OIL CON. DIST. 3

APR 13 1992

APPROVED

OCT 16 1992

AREA MANAGER

RECEIVED  
BLM  
92 OCT 13 PM 1:25  
019 FARMINGTON, N.M.

14. I hereby certify that the foregoing is true and correct

Signed Ed Hadlock

Title Admin Analyst

Date 10/8/92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

STACCD

AMOCO PROD CO

F

30-045-28614

10-17-91

F. Loc. 2120/S; 890/W Elev. 6641 GL Spd. \_\_\_\_\_ Comp. \_\_\_\_\_ TD \_\_\_\_\_ PB \_\_\_\_\_  
 Cu. ft. \_\_\_\_\_ Cu. ft. \_\_\_\_\_  
 Casing S. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. Int. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. Pr. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. T. \_\_\_\_\_ @ \_\_\_\_\_  
 Csg. Perf. \_\_\_\_\_ Prod. Stim. \_\_\_\_\_

T Gas  
R  
A  
N  
S

BO/D \_\_\_\_\_ Grav. \_\_\_\_\_ 1st Del. Gas \_\_\_\_\_  
 MCF/D After \_\_\_\_\_ Hrs. SICP \_\_\_\_\_ PSI After \_\_\_\_\_ Days GOR \_\_\_\_\_ 1st Del. Oil \_\_\_\_\_

TOPS		NITD	X	Well Log	TEST DATA						
Ojo Alamo		C-103		Plot	Schd.	PC	Q	PW	PD	D	Ref.No.
Kirtland		C-104		Electric Log							
Fruitland				C-122							
Pictured Cliffs		Ditr		Dfa							
Chacra		Datr		Doc							
Cliff House		W/208.20 Acres									
Menefee											
Point Lookout											
Mancos											
Gallup											
Greenhorn											
Dakota											
Entrada											

P  
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BasinFrCoal Co. SJ S 30 T 31N R 09W U K Oper. Amoco Production Co. Loo. Riddle Gas Com C No. 1

Se.

NMSF-078319-A (WC)  
3162.3-1.0 (070)

JUN 24 1993

**RECEIVED**

JUN 28 1993

**OIL CON. DIV.  
DIST. 3**

Mr. Ed Hadlock  
Amoco Production Company  
P. O. Box 800  
Denver, Co 80201-0800

Dear Mr. Hadlock:

Returned with no action taken is your Sundry Notice of May 10, 1993 and your Application for Permit to Drill (APD) Well No. 1 Riddle Gas Com C, 2120' FSL & 890' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$ ), sec. 30, T. 31 N., R. 9 W., San Juan County, New Mexico, Federal lease No. NMSF-078319-A. Your request for an extension of the APD was received after the APD had expired and we grant extensions only when they are received prior to expiration. The subject APD expired as of April 15, 1993, and is returned. Any expired APD may be resubmitted at any time.

You are required to request surface rehabilitation instructions from this office if construction activities have occurred on the referenced drill site. If this office does not receive comment within 30 days, it will be presumed that no construction occurred. Later discovery that construction activities have occurred, may result in assessment of liquidated damages. If you have any questions, please contact Mr. Errol Becher of this office at (505) 599-6358.

Sincerely,


**Ken Townsend**

Ken Townsend  
Chief, Branch of Drilling  
and Production

Enclosures (2)

bcc:  
New Mexico Oil Conservation Division, 1000 Rio Brazos Rd., Aztec, NM 87410  
Well file  
3162.3-1.0  
DOMR Reader  
FSM  
Carto  
Adj.  
019:Becher:cp:06/24/93:X358:EXPAPD.1

**ABANDONED LOCATIONS**

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Stogner, Michael, EMNRD**

**From:** Hlava, Cherry L [Cherry.Hlava@bp.com]

**Sent:** Tue 10/25/2005 7:02 AM

**To:** Stogner, Michael, EMNRD

**Cc:**

**Subject:** Non--Standard Location New Drill

**Attachments:**

Michael,


The Riddle C LS #5 NSL was sent for your review on Sept. 7, 05. Did you receive the application? Please advise if there is a problem or any questions about the request. I have checked the OCD web and do not see it posted.

Sincerely,


**Cherry Hlava**

BP America Production  
Regulatory Analyst  
281-366-4081



 Attachments can contain viruses that may harm your computer. Attachments may not display correctly.

**Stogner, Michael, EMNRD**

**From:** Stogner, Michael, EMNRD **Sent:** Tue 10/25/2005 8:45 AM  
**To:** Hlava, Cherry L  
**Cc:**  
**Subject:** RE: Non--Standard Location New Drill  
**Attachments:**  BP05.doc(20KB)

On October 20, 2005 I denied this application and returned it to you, see copy of my letter attached.

---

**From:** Hlava, Cherry L [mailto:Cherry.Hlava@bp.com]  
**Sent:** Tue 10/25/2005 7:02 AM  
**To:** Stogner, Michael, EMNRD  
**Subject:** Non--Standard Location New Drill

Michael,

The Riddle C LS #5 NSL was sent for your review on Sept. 7, 05. Did you receive the application? Please advise if there is a problem or any questions about the request. I have checked the OCD web and do not see it posted.

Sincerely,

**Cherry Hlava**  
BP America Production  
Regulatory Analyst  
281-366-4081

October 20, 2005

BP America Production Company  
P. O. Box 3092  
Houston, Texas 77253-3092

Attention: Cherry Hlava

**Re:** *Administrative application dated September 6, 2005 (administrative application reference No. pMES0-529359477) for an unorthodox Basin-Fruitland coal gas well location for BP America Production Company's proposed Riddle "C" LS Well No. 5 to be drilled 2110 feet from the South line and 925 feet from the West line (Lot 14/Unit K) of Irregular Section 30, Township 31 North, Range 9 West, NMPM, Basin-Fruitland Coal (Gas) Pool (71629), San Juan County, New Mexico.*

Dear Mr. Hlava:

This application, deemed to be incomplete, is hereby **denied** and is being returned to you. You seem to indicate in your cover letter that the proposed well will be dedicated to the W/2 (equivalent) of Irregular Section 30, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico, which comprises 208.20 acres; however, the NMOCD Form C-102 for this well shows that a non-standard 299.10-acre coal gas spacing unit comprising the W/2 equivalent of Irregular Section 31 and the SW/4 equivalent of Irregular Section 31 is to be dedicated to this well. Moreover, your application does not reference an existing order that authorized this 299.10-acre non-standard unit, nor do you even acknowledge the fact that in either case the two units are non-standard pursuant to **Rules 4 and 5** of the special rules governing the Basin-Fruitland Coal (Gas) Pool, as promulgated by Division Order No. R-8768, as amended.

Should you have any questions concerning this matter, please contact your legal counsel, Mr. William F. Carr with Holland & Hart, LLP in Santa Fe, New Mexico at (505) 988-4421. Thank you.

Sincerely

Michael E. Stogner  
Engineer

cc: New Mexico Oil Conservation Division – Aztec  
William F. Carr, Legal Counsel for BP America Production Company – Santa Fe