

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF 079045
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator DEVON ENERGY CORP.		7. If Unit or CA Agreement, Name and No.
Contact: CHARLES MUZZY E-Mail: charles.muzzy@dmv.com		8. Lease Name and Well No. NEBU 478A
3a. Address 20 NORTH BOARDWAY OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405.552.7955 Fx: 405.552.4553	9. API Well No. 30045 32395
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNW Lot D 760FNL 700FWL At proposed prod. zone NWNW Lot D 760FNL 700FWL		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 26 MILES SOUTHEAST OF IGNACIO, CO		11. Sec., T., R., M., or Blk. and Survey or Area 0 Sec 21 T31N R7W Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 700	16. No. of Acres in Lease 2056.12	12. County or Parish SAN JUAN
17. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	18. Proposed Depth 3391 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6488 GL	22. Approximate date work will start JUL 2004	17. Spacing Unit dedicated to this well 320.00 Wp
23. Estimated duration 20 DAYS		20. BLM/BIA Bond No. on file

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) CHARLES MUZZY	Date 05/26/2004
Title SR. OPERATIONS TECH		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed)	Date 7-13-04
Title AEM	Office FFO	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #31182 verified by the BLM Well Information System
For DEVON ENERGY CORP., sent to the Farmington

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

NMOC

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
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-102
Revised February 21, 1992
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 30045-32395		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal		
4 Property Code 19641		5 Property Name NEBU			6 Well Number # 478A	
7 OGRID No. 6137		8 Operator Name Devon Energy Production Company, L.P.			9 Elevation 6488	

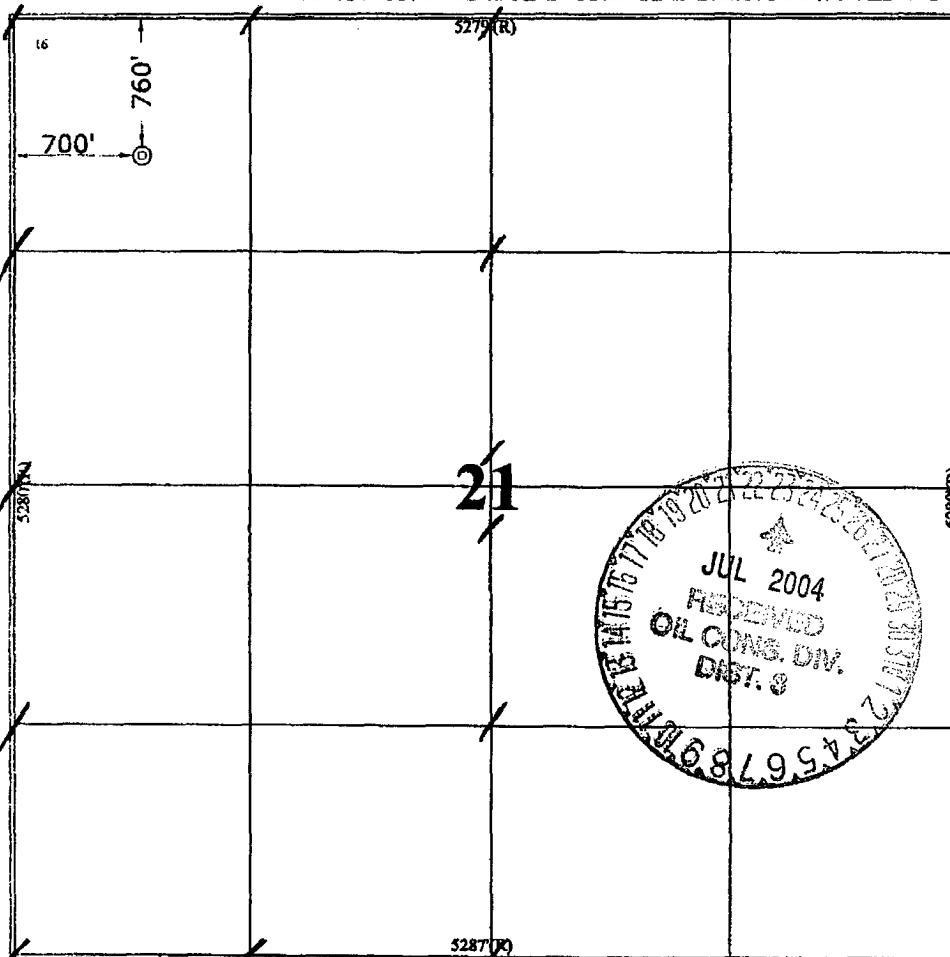
10 Surface Location

UL or Lot No. D	Section 21	Township 31 N	Range 7 W	Lot Idn	Feet from the 760	North/South line NORTH	Feet from the 700	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

7 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
320									
12 Dedicated Acres		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

	<p>16</p> <p>760'</p> <p>700'</p> <p>5287(R)</p> <p>21</p> <p>5287(R)</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>Charles Muzzy</i> Signature Charles Muzzy Printed Name Sr. Ops. Tech Title 5-24-04 Date</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 12, 2004 Date of Survey Signature and Seal of Professional Surveyor GARY S. VANN 7016 Certificate Number</p>
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Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
March 4, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO.
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Devon Energy Corp.		6. State Oil & Gas Lease No. <i>Federal - SF 079045</i>
3. Address of Operator 20 North Broadway, Oklahoma City, OK 73102		7. Lease Name or Unit Agreement Name Northeast Blanco Unit
4. Well Location Unit Letter <u>D</u> : <u>760</u> feet from the <u>North</u> line and <u>700</u> feet from the <u>West</u> line Section <u>21</u> Township <u>31N</u> Range <u>7W</u> NMPM County <u>San Juan</u>		8. Well Number <u>478A</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>6488 BL</u>		9. OGRID Number 6137
Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)		
Pit Location: UL <u>D</u> Sect <u>21</u> Twp <u>31N</u> Rng <u>7W</u> Pit type <u>Drilling</u> Depth to Groundwater <u>> 400'</u> Distance from nearest fresh water well <u>> 1000'</u> Distance from nearest surface water <u>> 1000'</u> Below-grade Tank Location UL _____ Sect _____ Twp _____ Rng _____ ; _____ feet from the _____ line and _____ feet from the _____ line		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pit Permit Application

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Charles Muzzy TITLE Sr. Operations Tech DATE 5-26-04
Type or print name Charles Muzzy E-mail address: charles.muzzy@dmn.com Telephone No. 405.552.7955

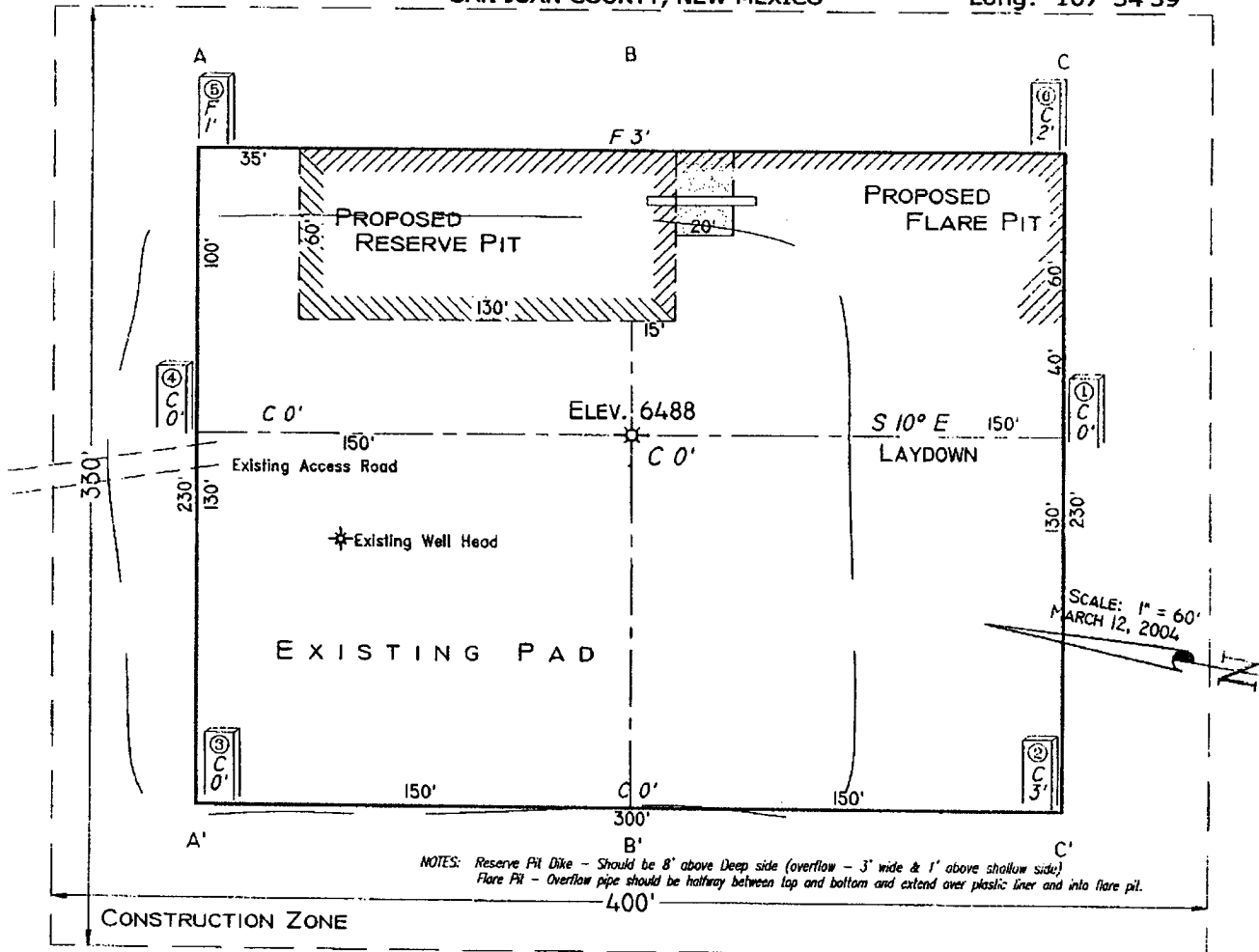
(This space for State use)

APPROVED BY [Signature] TITLE STATE OIL & GAS INSPECTOR, DIST. IV DATE JUL 23 2004
Conditions of approval, if any:

PAD LAYOUT PLAN & PROFILE
DEVON ENERGY PRODUCTION COMPANY, L.P.

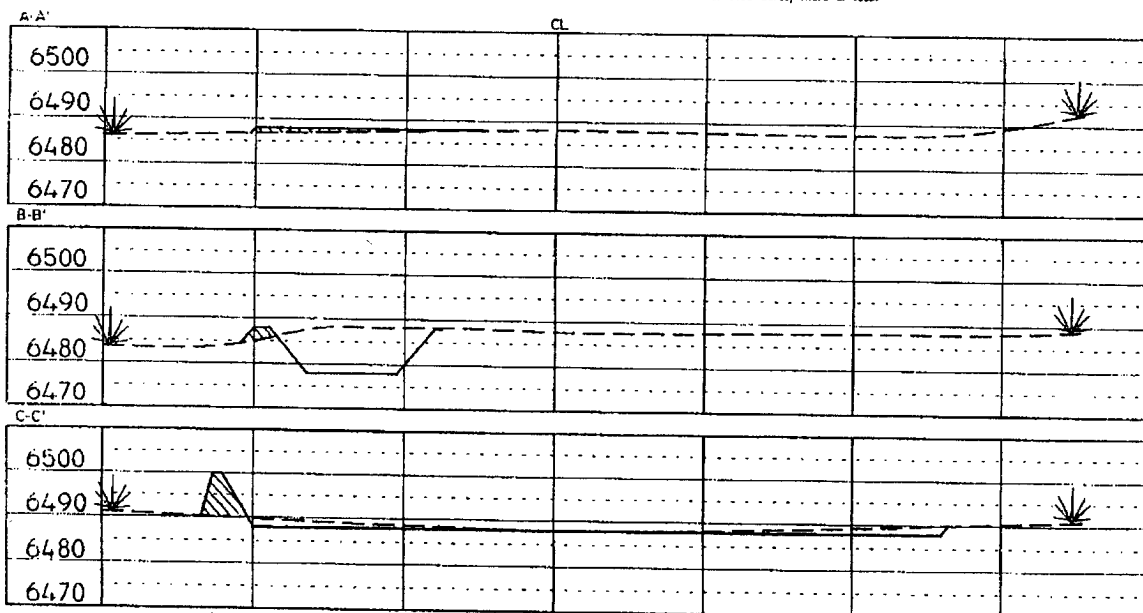
NEBU # 478A
 760' F/NL 700' F/WL
 SEC. 21, T31N, R7W, N.M.P.M.
 SAN JUAN COUNTY, NEW MEXICO

Lat: 36°53'25"
 Long: 107°34'59"



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 utilities in 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 as earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sideslopes and ditches. Final Pad Dimensions are to be verified by Contractor.

VANN SURVEYING
 P. O. Box 150
 Farmington, NM

**NEBU 478A
Unit E 21-31N-7W
San Juan Co., NM**

DRILLING PLAN

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Formation	TVD (ft)	Hydrocarbon/Water Bearing Zones
San Jose	Surface	
Ojo Alamo	2302	Aquifer
Kirtland	2413	
Fruitland	2896	Gas
Pictured Cliffs	3291	Gas
PTD	3391	

All shows of fresh water and minerals will be adequately protected and reported. A 100' sump will be drilled into the Picture cliffs. A mud logger will be on location collecting samples and measuring gas levels. Should the Picture Cliffs interval appear to be productive the sump will be filled with cuttings and abandoned

2. PRESSURE CONTROL EQUIPMENT:

All well control equipment shall be in accordance with Onshore Order #2 for 2M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram, which shows the size, and pressure ratings.

- 2000# BOP With Pipe Rams and 2000# BOP With Blind Rams

Auxiliary equipment to be used:

- Upper kelly cock with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) or 70% of the internal yield pressure (without a test plug) at:

- Initial installation
- Whenever any seal subject to test pressure is broken
- Following related repairs
- At 30 day intervals

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.
All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to close all rams and retain 200 psi above pre charge pressure without the use of closing unit pumps.

Master controls will be at the accumulator. Anticipated bottom hole pressure is 300 psi.

3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

TVD	Hole Size	Size	Grade	Weight	Thread	Condition
0-285	12-1/4"	9-5/8"	H-40	32#	STC	New
0-2896	8-3/4"	7"	J-55	23#	LTC	New
0- TD	6-1/4"	5-1/2"	J-55	15.5 #	LTC	New

The 9-5/8" surface pipe will be tested to 750 psi. All casing strings below the surface shoe shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

Surface: The bottom three joints of the surface casing will have a minimum of one centralizer per joint and one centralizer every joint thereafter (Total 5 centralizers estimated)

7" Casing: The bottom three joints of the 7" casing will have a minimum of one centralizer per joint and one centralizer every fifth joint thereafter to above Ojo Alamo with turbolizers below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated).

B. The proposed cementing program will be as follows:

Surface String: 9-5/8" Surface cemented in a 12-1/4" hole at 285'.
32.3# H-40 ST&C 8 Rnd
Saw tooth guide shoe
Cemented with 200 sacks Class B mixed at 15.6 ppg w/.25 pps
Celloflake, 2% calcium chloride. Yield 1.19 ft³/sx, cement
Designed to circulate to surface.

Production String: 7" Production casing cemented in an 8-3/4" hole
23# J-55 LT&C 8 Rnd
Float collar
Joint
Float Shoe
Cement with 500 sacks Class B 50/50 POZ, 3% gel, 5# gilsonite,
1/4"# Flocele, .1% CFR 3, .2% Halad 344, yield 1.47 ft³/sx.*
Cement designed to circulate to surface.

Pending hole conditions, cement baskets may be installed above TD

*** Minor variations possible due to existing hole conditions**

Liner: 5-1/2" liner*
15.5# J-55 LT&C 8 Rnd
Shoe
Not Cemented

* May not be run pending hole conditions.

If well does not respond to proposed to completion, the 5 1/2 " liner will be cemented using class B 50/50 POZ, 3% gel, 5# gilsonite, 1/4"# Flocele, .1% CFR 3, .2% Halad 344, yield 1.47 ft3/sx. **

**** Minor variations possible due to existing hole conditions**

4. DRILLING FLUIDS PROGRAM:

TVD	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-285	Spud	8.4-9.0	29-70	8.0	NC	FW gel,
285-2896	LSND	8.4-9.0	29-70	8.0	10-12	LCM as needed
2896 - TD	Air					Foam as needed

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

5. EVALUATION PROGRAM:

Wireline Logs: None

Mud Logs: mud logging in Fruitland Coal.

Survey: Deviation surveys will be taken every 500' from 0-TD of 8 3/4" hole or first succeeding bit change.

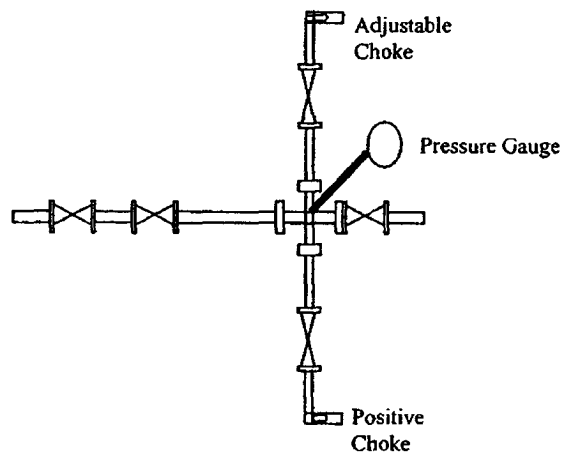
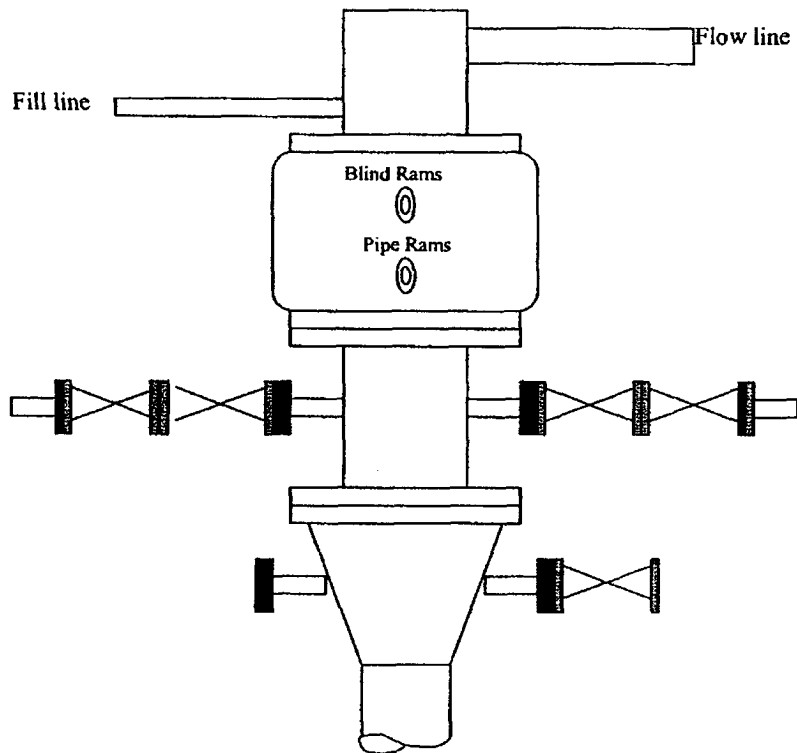
Cores: None anticipated.

DST's: None anticipated.

6. ABNORMAL CONDITIONS:

The Fruitland Coal will be encountered within the 8 3/4" hole. Estimated formation pressure is 300 psi. No other abnormal pressures and/or temperatures are expected. No hydrogen sulfide should be present.

Well Control Equipment
2,000 psi Configuration



All well control equipment designed to meet or exceed the Onshore Oil and Gas Order No. 2, BLM 43 CFR 3160 requirements for 2M systems.



Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260

May 27, 2004

(Certified Mail – Return Receipt Requested)

ConocoPhillips Company
P. O. Box 2197
Houston, TX 77252-2197

RE: Notification of Application for Permit to Drill
NEBU 478A Well
760' FNL x 700' FWL Section 21, T-31-N, R-7-W
San Juan County, New Mexico



Attention: Jennifer Barber

Devon Energy Production Company L.P. ("Devon") is submitting the enclosed Application for Permit to Drill the Northeast Blanco Unit 478A Well to the appropriate regulatory agency(s) for approval.

Pursuant to New Mexico Oil Conservation Commission Order R-8768-F dated July 17, 2003, consider the enclosed copy of this Application for Permit to Drill, including NMOCD form C-102, to serve as notice of Devon's intent to drill an Optional Infill Well in the High Productivity Area of the Basin-Fruitland Coal Pool.

Affected parties have twenty (20) days from receipt of this notice in which to file with the District Office of the New Mexico Oil Conservation Division written objection to the proposed Application for Permit to Drill.

Cordially,

DEVON ENERGY PRODUCTION COMPANY L.P.


Teresia D. McGinnis, CPL
Contract Landman
(405) 228-7533
Teresia.mcgininis@dvn.com

Attachment(s): Federal Form 3160-3
NMOCD Form C-102
Area Map

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Conoco Phillips Company
ATTENTION: Jennifer Barber
P. O. Box 2197
Houston, TX 77252-2197

2. Article Number
(Transfer from service label)

7003 1680 0002 1827 9819

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Devon Energy Production Company LP
ATTN: Teresia D. McGinnis - MAT 122
20 North Broadway, Suite 1500
Oklahoma City, OK 73102-8260

478A

RECEIVED

JUN 3 2004

LAND DEPT.





Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260

June 3, 2004

Release 6-21-04

New Mexico Oil Conservation Commission
District 3
1000 Rio Brazos Road
Aztec, NM 87410

RE: Offset Operator Notification of Application for Permit to Drill
NEBU 478A Well
760' FNL x 700' FWL Section 21, T-31N, R-7-W
San Juan County, New Mexico



ATTN: Steve Hayden

Enclosed, as required under Order R-8768-F dated July 17, 2003, you will find a copy of the notification letter to offset operator(s) of the intent to drill an Optional Infill Well in the High Productivity Area of the Basin-Fruitland Coal Pool by Devon Energy Production Company L.P.

You may contact me with any comments or questions at the (405) 228-7533.

Cordially,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Teresia D. McGinnis, CPL
Contract Landman
(405) 228-7533
teresia.mcginis@dvn.com