

UNITED STATES **2006 JUN 23 AM 8 42**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT **RECEIVED**
APPLICATION FOR PERMIT TO DRILL OR REENTER
615 FARMINGTON NM

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM 03356
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Devon Energy Production Company, L.P.		7. If Unit or CA Agreement, Name and No. Northeast Blanco Unit
3a. Address PO Box 6459 Farmington, NM 87419		8. Lease Name and Well No. NEBU 452A
3b. Phone No. (include area code) 405-552-7917		9. API Well No. 30-045-33816
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1,825' FSL & 1,510' FEL, NW SE, Unit J At proposed prod. zone 1,200' FSL & 1,200' FEL, SE SE, Unit P		10. Field and Pool, or Exploratory Basin Fruitland Coal
14. Distance in miles and direction from nearest town or post office* Approximately 12.7 miles		11. Sec., T. R. M. or Blk. and Survey or Area J Sec. 15 - T31N - R7W
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1,200'	16. No. of acres in lease 840 Acres	17. Spacing Unit dedicated to this well 320 Acres F-1/2
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 3,823' TMD	20. BLM/BIA Bond No. on file CO1104
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GR 6,516'	22. Approximate date work will start* 09/19/2006	23. Estimated duration Unknown

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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>M.S. Zimmerman</i>	Name (Printed/Typed) Melisa Zimmerman	Date 6-19-06
Title Senior Operations Technician		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed)	Date 7/20/06
Title AFM		
Office FEO		

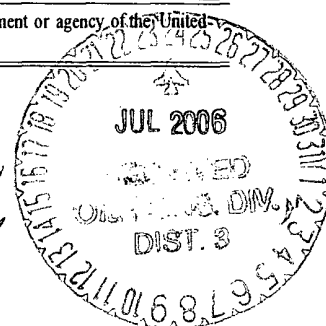
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.

*(Instructions on page 2)

HOLD C104 FOR
NMOC

Directional Survey



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

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, 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 30-045-33816	² Pool Code 2662971629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 19641	⁵ Property Name NEBU	⁶ Well Number # 452A
⁷ OGRID No. 6137	⁸ Operator Name Devon Energy Production Company, L.P.	⁹ Elevation 6516

¹⁰ Surface Location

UL or Lot No. J	Section 15	Township 31 N	Range 7 W	Lot Idn	Feet from the 1825	North/South line SOUTH	Feet from the 1510	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

¹² UL or lot no. P	Section 15	Township 31 N	Range 7 W	Lot Idn	Feet from the 1200	North/South line SOUTH	Feet from the 1200	East/West line EAST	County SAN JUAN
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¹³ Dedicated Acres 320-E/2	¹⁴ Joint or Infill	¹⁵ Consolidation Code	¹⁶ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<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>M.S. Zimmerman</i> Signature Melva S. Zimmerman Printed Name Sr. Operations Technician Title June 19, 2006 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>September 20, 2005 Date of Survey Signature and Seal of Professional Surveyor 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
1600 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

WELL API NO. 30-045-33816
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NM 03356
7. Lease Name or Unit Agreement Name NORTHEAST BLANCO UNIT
8. Well Number 452A
9. OGRID Number 6137
10. Pool name or Wildcat Basin Fruitland Coal

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.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Devon Energy Production Company, L.P.

3. Address of Operator
PO Box 6459, Navajo Dam, NM 87419

4. Well Location
Unit Letter **J** : **1,825'** feet from the **South** line and **1,510'** feet from the **East** line
Section **15** Township **31N** Range **7W** NMPM County - **SAN JUAN**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GR **6,516'**

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)
Pit Location: UL **J** Sect **15** Twp **31N** Rng **7W** Pit type **Drilling** Depth to Groundwater **>100'** Distance from nearest fresh water well **>1000'**
Distance from nearest surface water **>1000'** 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: CONSTRUCT DRILLING PIT <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.

14. **Devon Energy will be constructing a lined drilling pit. The closure of said pit will be in accordance with the NMOCD regulations with the cutting of the liner applying to the BLM rules.**

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 Melisa Zimmerman TITLE Sr. Operations Technician DATE 6-19-06

Type or print name Melisa Zimmerman E-mail address: Melisa.zimmerman@dvn.com Telephone No. 405-552-7917

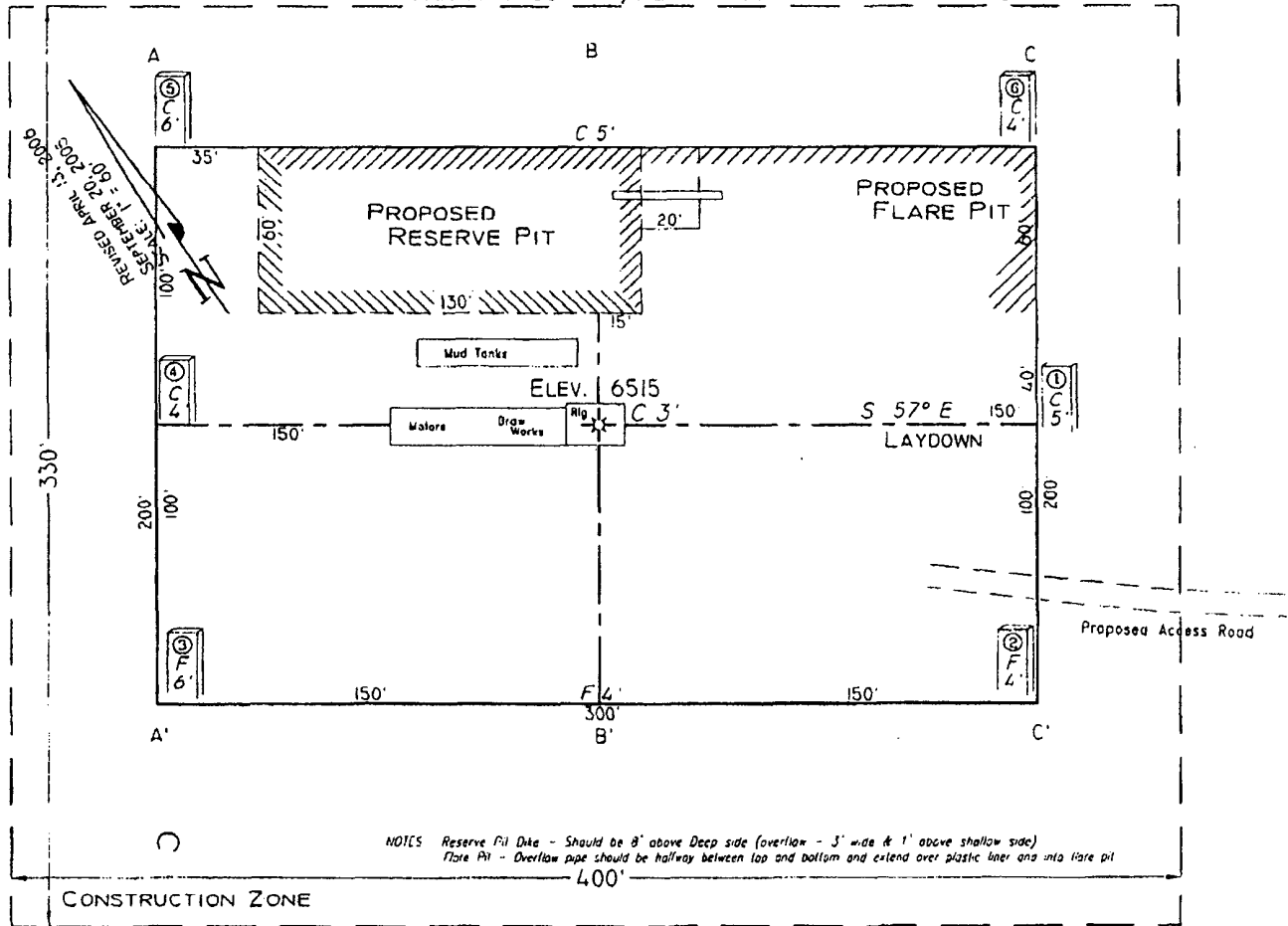
(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #9 DATE JUL 24 2006
Conditions of approval, if any:

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

Nebu # 452A
1825' F/SL 1510' F/EL
SEC. 15, T31N, R7W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

Lat : 36.89726°
Long: 107.55449° (83)

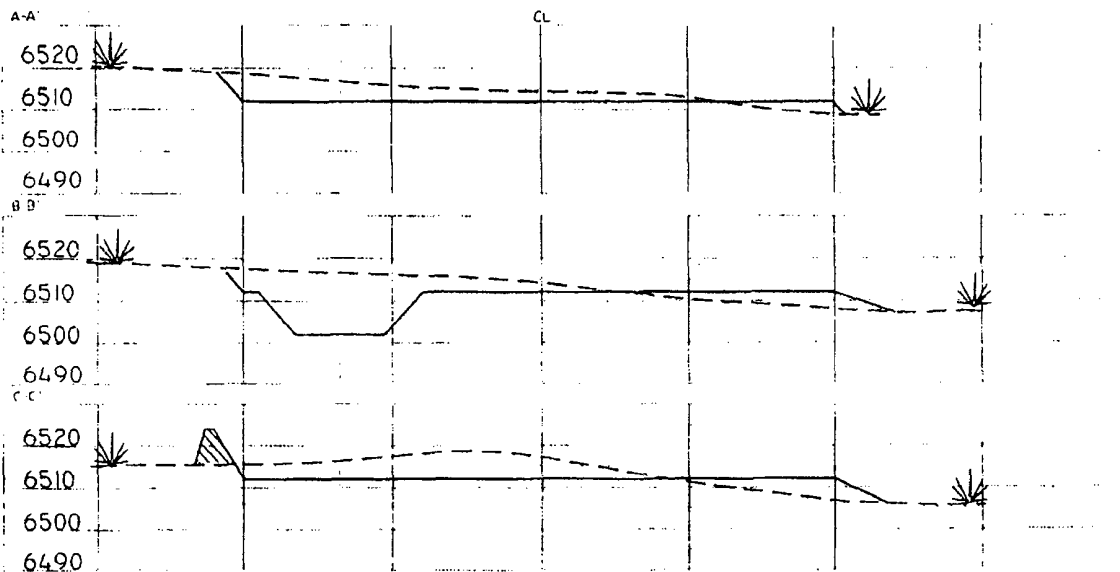


NOTES: Reserve Fill Dike - Should be 8" above Deep side (overflow - 3' wide & 1' above shallow side)
Note Pit - Overflow pipe should be halfway between top and bottom and extend over plastic liner and into flare pit

CONSTRUCTION ZONE

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

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



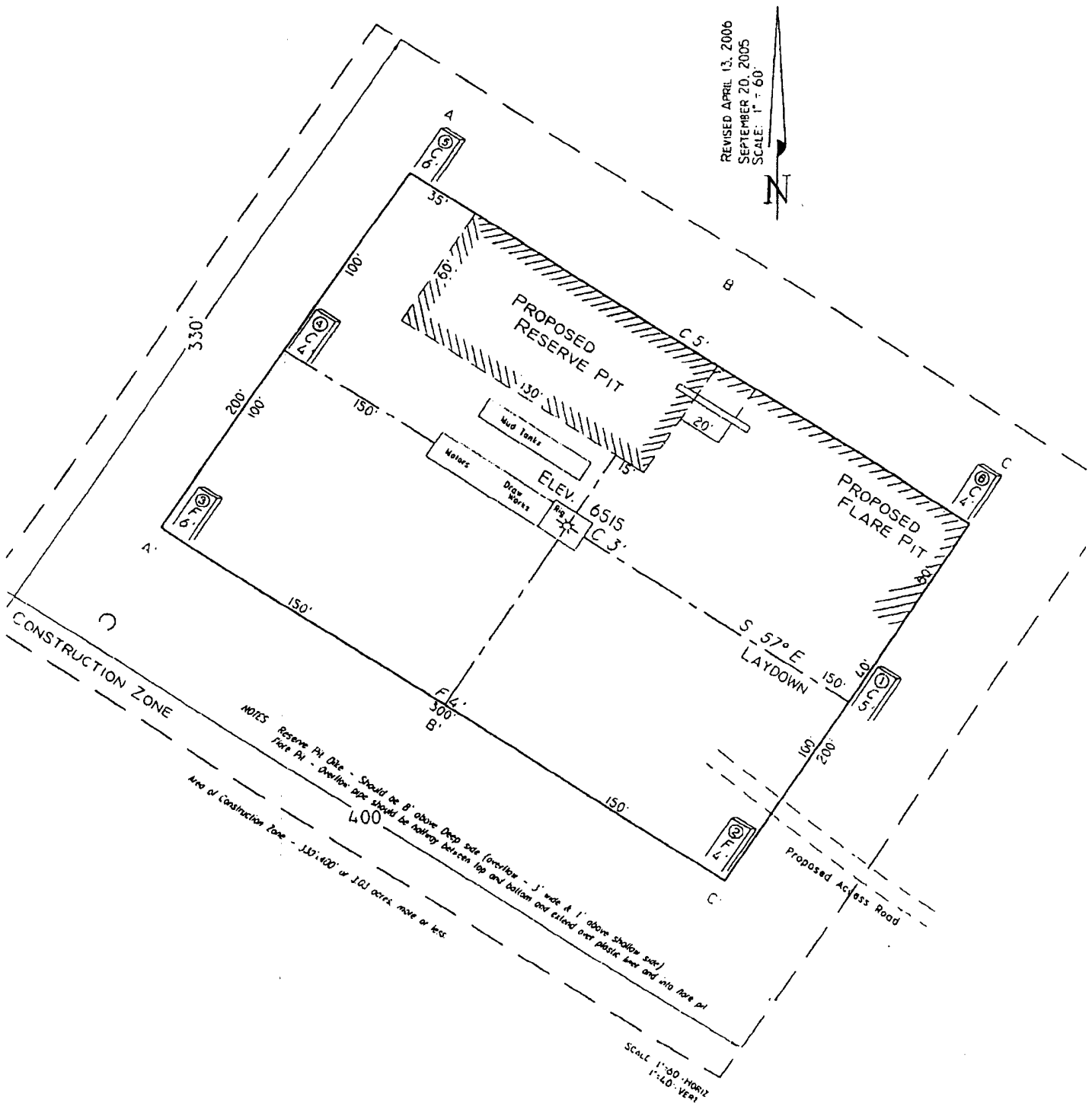
NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables as well as any and/or access road at least two (2) working days prior to construction.

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

VANN SURVEYS
P O Box 1306
Farmington, NM

PAD LAYOUT PLAN & PROFILE
 DEVON ENERGY PRODUCTION COMPANY, L.P.
 Nebu # 452A
 1825' F/SL 1510' F/EL
 SEC. 15, T31N, R7W, N.M.P.M.
 SAN JUAN COUNTY, NEW MEXICO

Lat : 36.89726°
 Long: 107.55449° (83)



NEBU 452A
Unit J 15-31N-7W
San Juan Co., NM

DRILLING PLAN

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

Formation	TVD (ft)	TMD (ft)	Hydrocarbon/Water Bearing Zones
San Jose	Surface	Surface	
Ojo Alamo	2346	2636	Aquifer
Kirtland	2457	2756	
Fruitland	2936	3244	Gas
Pictured Cliffs Tongue	3289	3597	Gas
PTD	3415	3723	

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 1000 psi.

3. **CASING & CEMENTING PROGRAM:**

A. The proposed casing program will be as follows:

TVD	TMD	Hole Size	Size	Grade	Weight	Thread	Condition
0-285	0-285	12-1/4"	9-5/8"	H-40	32#	STC	New
0- 3289	0- 3597	8-3/4"	7"	J-55	23#	LTC	New
0- TD	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.

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

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
Lead: 500 sacks Class B 50/50 POZ, 3% gel, 5# gilsonite, ¼"# Flocele, .1% CFR 3, .2% Halad 344, yield 1.47 ft3/sx.
Tail: 25 sx Class 'B'. 1.18 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 ½ " liner will be cemented using 300 sacks class B 50/50 POZ, 3% gel, 5# gilsonite, ¼"# 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	TMD	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-285	0-285	Spud	8.4-9.0	29-70	8.0	NC	FW gel,
285-3289	285-3597	LSND	8.4-9.0	29-70	8.0	10-12	LCM as needed
3289 - TD	3597 - 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 ¾" hole or first

succeeding bit change.

Cores: None anticipated.

DST's: None anticipated.

6. ABNORMAL CONDITIONS:

The Fruitland Coal will be encountered in 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.

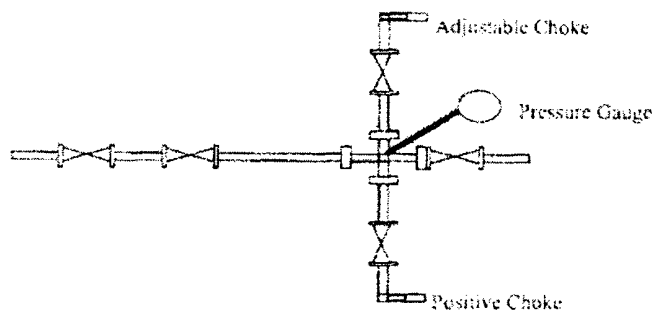
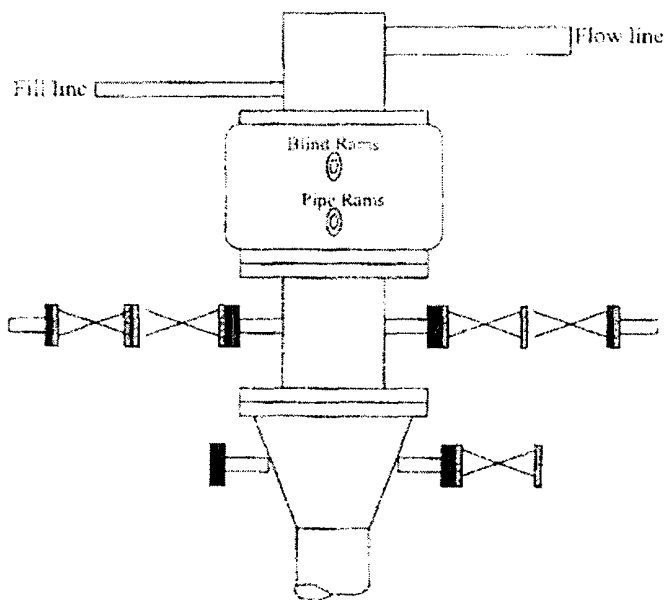
7. OTHER INFORMATION:

The anticipated starting date and duration of the operation will be as follows:

Starting Date:	Upon Approval
Duration:	20 days

If the well is completed as a dry hole or as a producer, Well Completion or Recompletion Report and Log (Form 3160-4) will be submitted within 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3160. Copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, daily drilling reports, daily completion reports, and all other surveys or data obtained and compiled during the drilling, completion, and/or workover operations, will be submitted directly to the Authorized Officer or filed with Form 3160-4.

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 CTR 3160 requirements for 2M systems.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

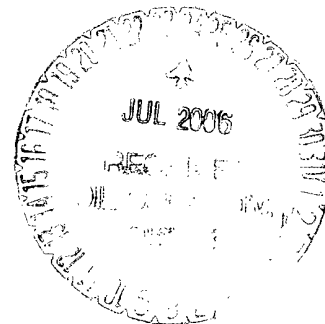
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	070 FARMINGTON NM
2. Name of Operator Devon Energy Production Company, L.P.	
3a. Address PO Box 6459, Navajo Dam, NM 87419	3b. Phone No. (include area code) 405-552-7917
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SL: 1,825' FSL & 1,510' FEL, NW SE, Unit J, Sec. 15, T31N- R7W BHL: 1,200' FSL & 1,200' FEL, SE SE, Unit P, Sec. 15, T31N, R7W	
5. Lease Serial No. NM 03356	6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. Northeast Blanco Unit	8. Well Name and No. NEBU 452A
9. API Well No. 3004533814	10. Field and Pool, or Exploratory Area Basin Fruitland Coal
11. County or Parish, State San Juan, NM	

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Directional Plan
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Correction
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is the corrected Survey, Plot, as well as the same Drilling Plan which reflects the depth change of 100' less than originally proposed. The original C-102 has not changed and is not included.



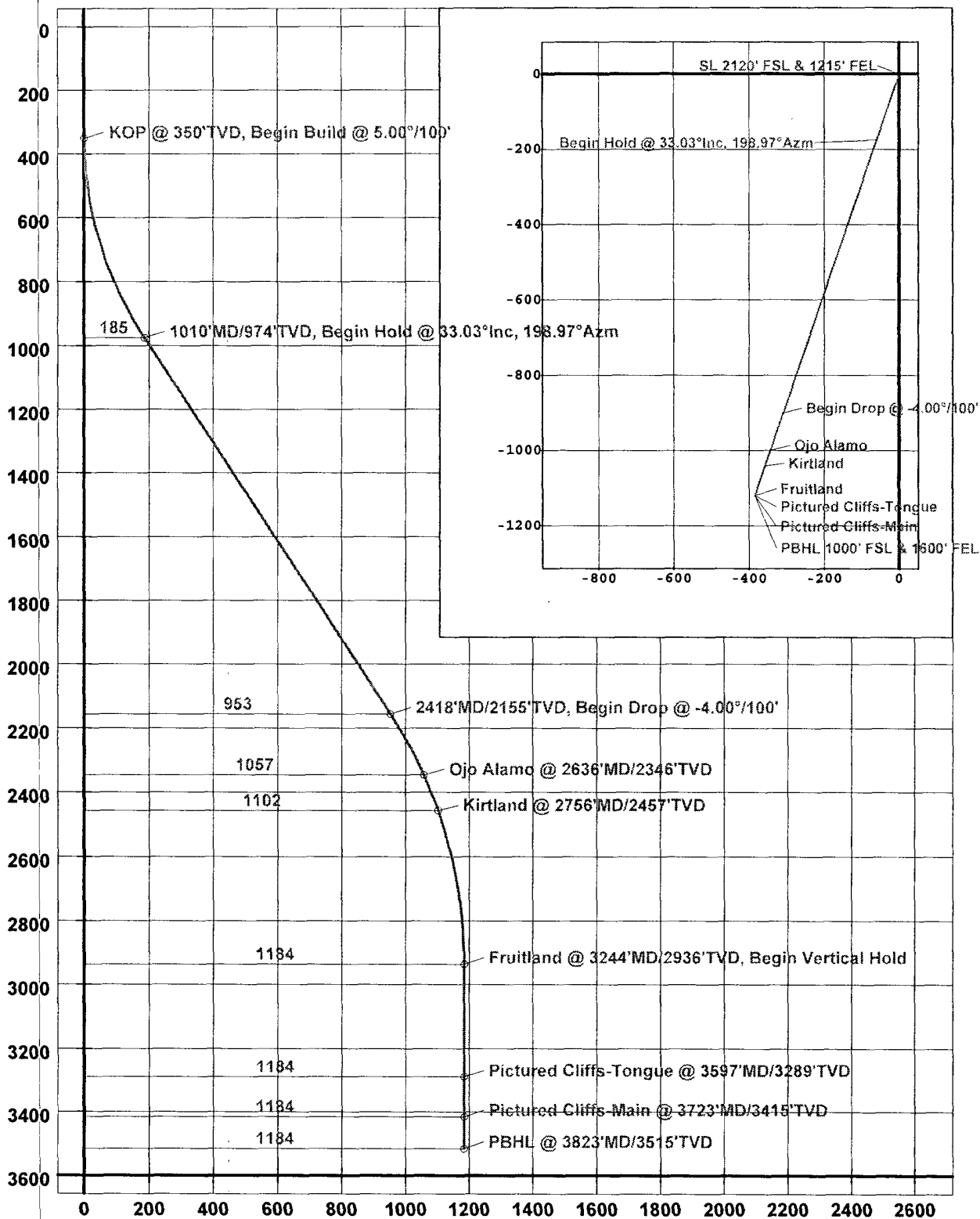
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Melisa Zimmerman		Title Senior Operations Technician	
Signature		Date 7-18-06	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by		Title AFM	Date 7/20/06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office FFO	

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(Instructions on page 2)

NMOC

Company: Devon Energy Production Co.
 Lease/Well: NEBU #452A
 Location: San Juan County, Sec 15-31N-7W
 State/Country: New Mexico / USA



Company: Devon Energy Production Co.
 Lease/Well: NEBU #452A
 Location: San Juan County, Sec 15-31N-7W
 State/Country: New Mexico / USA

