Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on reverse side.*

1. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. **SF 079082**
2. Name of Operator **Devon Energy Production Company, L.P.**	6. If Indian, Allottee or Tribe Name
3a. Address **PO Box 6459, Navajo Dam, NM 87419**	3b. Phone No. *(include area code)* **505-632-0244**
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* **265' FSL & 2,988' FEL, NE SW, Unit N, Sec. 19, T31N- R7W**	7. If Unit or CA/Agreement, Name and/or No. **Northeast Blanco Unit**
	8. Well Name and No. **NEBU 42F**
	9. API Well No. **30-045-33264**
	10. Field and Pool, or Exploratory Area **Basin Dakota**
	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			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other **Survey Change**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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.) directional Proposal Proposal

Devon Energy Production Company, L.P. gives notification of ~~Drilling Survey~~ change. Attached is a copy of the new ~~Survey~~, Plot, and Drilling Plan. Also attached is the original C-102 which has not changed.

JAN 2006
RECEIVED
OIL CONS. DIV.
DIST. 3

HOLD C104 FOR Directional Survey and NSL

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* **Melisa Zimmerman** Title **Senior Operations Technician**

Signature M.S. Zimmerman Date 1-16-06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Adrian Brumley Title Pet. Eng Date 1/25/06

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

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)

NMOCD

Job Number:
Company: Devon Energy
Lease/Well: NEBU 42F
Location: San Juan County
Rig Name:
RKB:
G.L. or M.S.L.: 6318'

State/Country: NM
Declination:
Grid:
File name: C:\DATA\CUST05\SURVEYS\DEVON\NEBU42F.SVY
Date/Time: 04-Jan-06 / 09:52
Curve Name: Proposal 07.27.05

INWELL INC

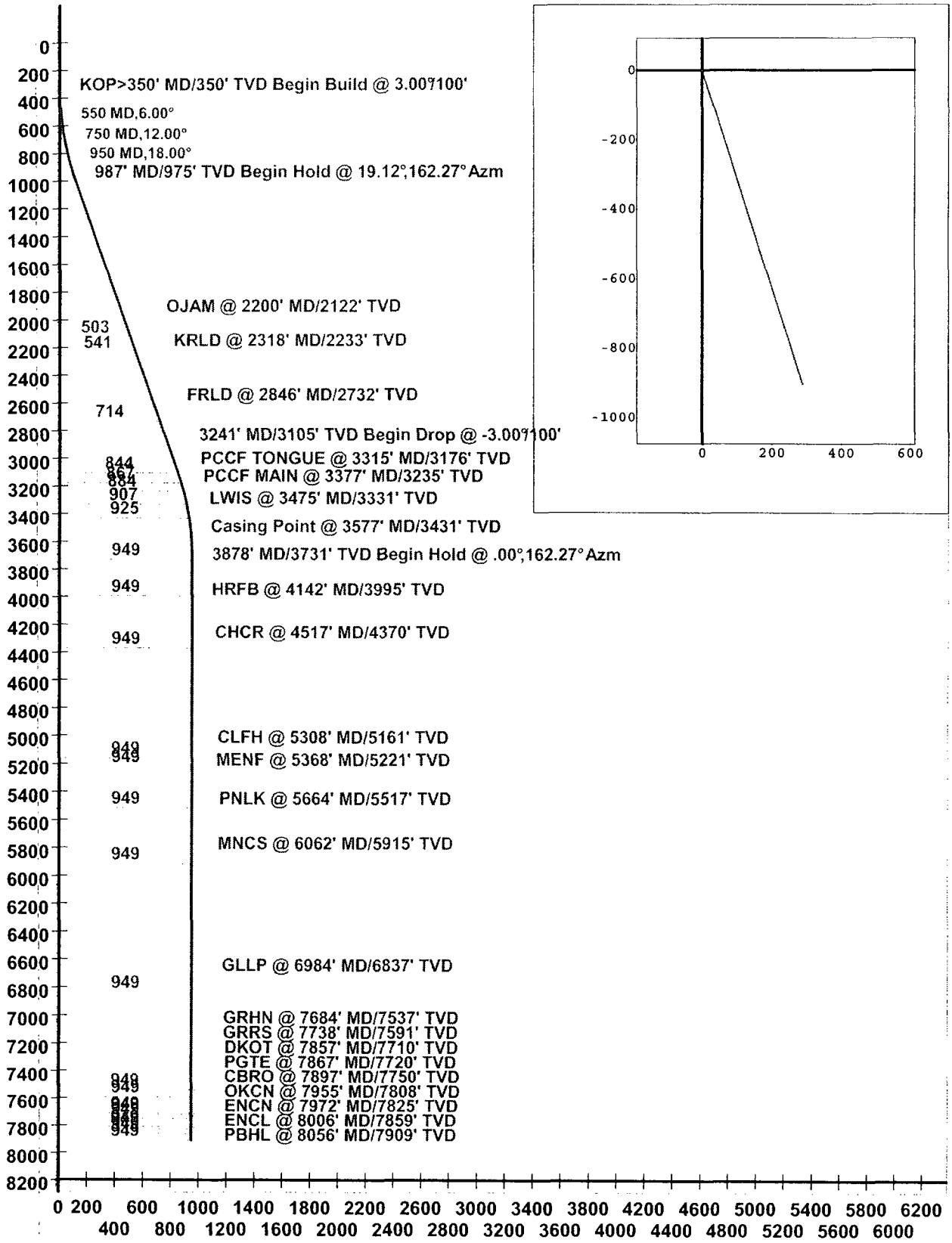
WINSERVE PROPOSAL REPORT
Minimum Curvature Method
Vertical Section Plane 162.27
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
KOP>350' MD/350' TVD Begin Build @ 3.00°/100'									
350.00	.00	.00	350.00	.00	.00	.00	.00	.00	.00
450.00	3.00	162.27	449.95	2.62	-2.49	.80	2.62	162.27	3.00
550.00	6.00	162.27	549.63	10.46	-9.97	3.19	10.46	162.27	3.00
650.00	9.00	162.27	648.77	23.51	-22.40	7.16	23.51	162.27	3.00
750.00	12.00	162.27	747.08	41.74	-39.75	12.71	41.74	162.27	3.00
850.00	15.00	162.27	844.31	65.08	-61.99	19.82	65.08	162.27	3.00
950.00	18.00	162.27	940.18	93.48	-89.04	28.47	93.48	162.27	3.00
987' MD/975' TVD Begin Hold @ 19.12°,162.27° Azm									
987.39	19.12	162.27	975.63	105.38	-100.37	32.09	105.38	162.27	3.00
1987.39	19.12	162.27	1920.45	432.95	-412.39	131.85	432.95	162.27	.00
OJAM @ 2200' MD/2122' TVD									
2200.71	19.12	162.27	2122.00	502.83	-478.95	153.13	502.83	162.27	.00
KRLD @ 2318' MD/2233' TVD									
2318.19	19.12	162.27	2233.00	541.32	-515.61	164.85	541.32	162.27	.00
FRLD @ 2846' MD/2732' TVD									
2846.33	19.12	162.27	2732.00	714.32	-680.39	217.53	714.32	162.27	.00
2987.39	19.12	162.27	2865.27	760.53	-724.41	231.61	760.53	162.27	.00
3241' MD/3105' TVD Begin Drop @ -3.00°/100'									
3241.51	19.12	162.27	3105.37	843.78	-803.70	256.96	843.78	162.27	.00
PCCF TONGUE @ 3315' MD/3176' TVD									
3315.78	16.89	162.27	3176.00	866.73	-825.57	263.95	866.73	162.27	3.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
3341.51	16.12	162.27	3200.67	874.04	-832.53	266.17	874.04	162.27	3.00
PCCF MAIN @ 3377' MD/3235' TVD									
3377.15	15.05	162.27	3235.00	883.62	-841.65	269.09	883.62	162.27	3.00
3441.51	13.12	162.27	3297.42	899.29	-856.57	273.86	899.29	162.27	3.00
LWIS @ 3475' MD/3331' TVD									
3475.92	12.09	162.27	3331.00	906.79	-863.72	276.15	906.79	162.27	3.00
3541.51	10.12	162.27	3395.36	919.43	-875.76	280.00	919.43	162.27	3.00
Casing Point @ 3577' MD/3431' TVD									
3577.66	9.04	162.27	3431.00	925.44	-881.49	281.83	925.44	162.27	3.00
3641.51	7.12	162.27	3494.22	934.42	-890.03	284.56	934.42	162.27	3.00
3741.51	4.12	162.27	3593.73	944.21	-899.36	287.54	944.21	162.27	3.00
3841.51	1.12	162.27	3693.61	948.79	-903.72	288.94	948.79	162.27	3.00
3878' MD/3731' TVD Begin Hold @ .00°;162.27°Azm									
3878.91	.00	162.27	3731.00	949.15	-904.07	289.05	949.15	162.27	3.00
HRFB @ 4142' MD/3995' TVD									
4142.91	.00	162.27	3995.00	949.15	-904.07	289.05	949.15	162.27	.00
CHCR @ 4517' MD/4370' TVD									
4517.91	.00	162.27	4370.00	949.15	-904.07	289.05	949.15	162.27	.00
4878.91	.00	162.27	4731.00	949.15	-904.07	289.05	949.15	162.27	.00
CLFH @ 5308' MD/5161' TVD									
5308.91	.00	162.27	5161.00	949.15	-904.07	289.05	949.15	162.27	.00
MENF @ 5368' MD/5221' TVD									
5368.91	.00	162.27	5221.00	949.15	-904.07	289.05	949.15	162.27	.00
PNLK @ 5664' MD/5517' TVD									
5664.91	.00	162.27	5517.00	949.15	-904.07	289.05	949.15	162.27	.00
5878.91	.00	162.27	5731.00	949.15	-904.07	289.05	949.15	162.27	.00
MNCS @ 6062' MD/5915' TVD									
6062.91	.00	162.27	5915.00	949.15	-904.07	289.05	949.15	162.27	.00
6878.91	.00	162.27	6731.00	949.15	-904.07	289.05	949.15	162.27	.00
GLLP @ 6984' MD/6837' TVD									
6984.91	.00	162.27	6837.00	949.15	-904.07	289.05	949.15	162.27	.00
GRHN @ 7684' MD/7537' TVD									
7684.91	.00	162.27	7537.00	949.15	-904.07	289.05	949.15	162.27	.00
GRRS @ 7738' MD/7591' TVD									
7738.91	.00	162.27	7591.00	949.15	-904.07	289.05	949.15	162.27	.00
DKOT @ 7857' MD/7710' TVD									
7857.91	.00	162.27	7710.00	949.15	-904.07	289.05	949.15	162.27	.00
PGTE @ 7867' MD/7720' TVD									
7867.91	.00	162.27	7720.00	949.15	-904.07	289.05	949.15	162.27	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7878.91	.00	162.27	7731.00	949.15	-904.07	289.05	949.15	162.27	.00
CBRO @ 7897' MD/7750' TVD									
7897.91	.00	162.27	7750.00	949.15	-904.07	289.05	949.15	162.27	.00
OKCN @ 7955' MD/7808' TVD									
7955.91	.00	162.27	7808.00	949.15	-904.07	289.05	949.15	162.27	.00
ENCN @ 7972' MD/7825' TVD									
7972.91	.00	162.27	7825.00	949.15	-904.07	289.05	949.15	162.27	.00
ENCL @ 8006' MD/7859' TVD									
8006.91	.00	162.27	7859.00	949.15	-904.07	289.05	949.15	162.27	.00
PBHL @ 8056' MD/7909' TVD									
8056.91	.00	162.27	7909.00	949.15	-904.07	289.05	949.15	162.27	.00

Company: Devon Energy
Lease/Well: NEBU 42F
Location: San Juan County
State/Country: NM



NEBU 42F
Unit N 19-31N-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	2122	2200	Aquifer
Kirtland	2233	2318	
Fruitland	2732	2846	Gas
Pictured Cliffs Tongue	3176	3315	Gas
Pictured Cliffs Main	3235	3377	Gas
Lewis	3331	3475	Gas
Intermediate TD	3431	3577	
Huerfanito Bentonite	3995	4142	Gas
Chacra \ Otera	4370	4517	Gas
Cliff House	5161	5308	Gas
Menefee	5221	5368	Gas
Point Lookout	5517	5664	Gas
Mancos	5915	6062	Gas
Gallup	6837	6984	Gas
Greenhorn	7537	7684	
Graneros	7591	7738	Gas
Dakota	7710	7857	Gas
Paguate	7720	7867	
Cubero	7750	7897	
Oak Canyon	7808	7955	
Encinal Canyon	7825	7972	

Lower Encinal Canyon	7859	8006	
TD	7909	8056	

*All shows of fresh water and minerals will be adequately protected and reported.

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 3400 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
0-3431	0-3619	8-3/4"	7"	K-55	23#	LTC	New
0- TD	0- TD	6-1/4"	4-1/2"	J-55	11.6 #	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)

Intermediate: 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).
Production: The bottom three joints will have a minimum of one centralizer per joint and one centralizer every fifth joint to 3500' (estimated 25 centralizers used). Centralizers will be open bow spring or basket bow spring type.

B. The proposed cementing program will be as follows:

Surface String: Cement will be circulated to surface.

Lead: 200 sx Class "B" with 100% Standard Cement, 2.00% CaCl2, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.24 gal/sx
* ***Minor variations possible due to existing conditions***

Intermediate String: Cement will be circulated to surface.

Lead: 500 sx 50/50 Poz, Yd-1.45, Water Gal/sx 6.8, Mixed @ 13ppg Foamed W/ N2 Down To 9.0# Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl.
Tail: 75 sx 50/50 Poz, Yd-1.45, Water Gal/Sk 6.8, Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl.
* ***Minor variations possible due to existing conditions***

If hole conditions dictate, an alternate, cement design will be used:

Lead: 575 sx 50/50 Poz with 50% Class B Cement, 50% San Juan Poz, .4% Halad-344, .1% CFR-3, 3% Bentonite, 5#/sx Gilsonite, .25#/sx Flocele. Density: 13.0 lb/gal; Yield: 1.46 cuft/sx; Water: 6.42 gal/sx
Tail: 75 sx 50/50 Poz with 94#/sx Standard Cement, 0.3% Halad-344, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.23 gal/sx
* ***Minor variations possible due to existing conditions***

Production String: **TOC designed to circulate 1000' into intermediate string, cement will tie into the intermediate casing as a minimum. Volumes may vary with actual well characteristics**.

Lead: 250 sx 50/50 Poz with 2% Gel, 0.2% Halad, 0.1% CFR-3, 5 #/sx Gilsonite, 0.25 #/sx Flocele. Mixed at 13 ppg, 1.47 ft 3/sx foamed to 9 ppg, 2.18 ft 3/sx.
Tail: 450 sx 50/50 Poz with 50% Standard Cement, 50% San Juan Poz, 3% Bentonite, 1.40% Halad-9, .10% CFR-3, .10% HR-5, 5 #/sx Gilsonite, 0.25 #/sx Flocele. Density: 13.0 lb/gal; Yield: 1.47 cuft/sx; Water: 6.35 gal/sx *
* ***Minor variations possible due to existing conditions***

Actual volumes will be calculated and adjusted with caliper log prior to cementing.

4. DRILLING FLUIDS PROGRAM:

TVD Interval	TMD Interval	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-285'	0-285'	Spud-foam	8.4-9.0	29-70	8.0	NC	FW gel, LSND or stiff foam
285'-3,431'	285'-3,619'	Air				NC	
3,431' - TD	3,619' - TD	Air/N2 or Mud	8.5-9.0*	30-50	8.0-10.0	8-810cc @ TD	Low solids-non-dispersed. * min Wt. to control formation pressure

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:

Logs: Density
Neutron
Induction

In the event open hole logs are not run in the well, a cased hole evaluation log will Be run.

Survey: Deviation surveys will be taken every 500' from 0-TD or first succeeding bit change. The hole will be air drilled from intermediate casing point to TD. The equipment used in this type of operation will not allow for single shot surveys without considerable operational delays. A survey will be taken at TD. Similar wells in this area have not shown significant deviation in this section of the hole.

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.

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

2005 JAN 23 PM 2 03

RECEIVED
070 FARMINGTON NM

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	3 Pool Name
	71599	Basin Dakota

4 Property Code	5 Property Name	6 Well Number
19641	NEBU	# 42F

7 OGRID No.	8 Operator Name	9 Elevation
6137	Devon Energy Production Company, L.P.	6318

10 Surface Location

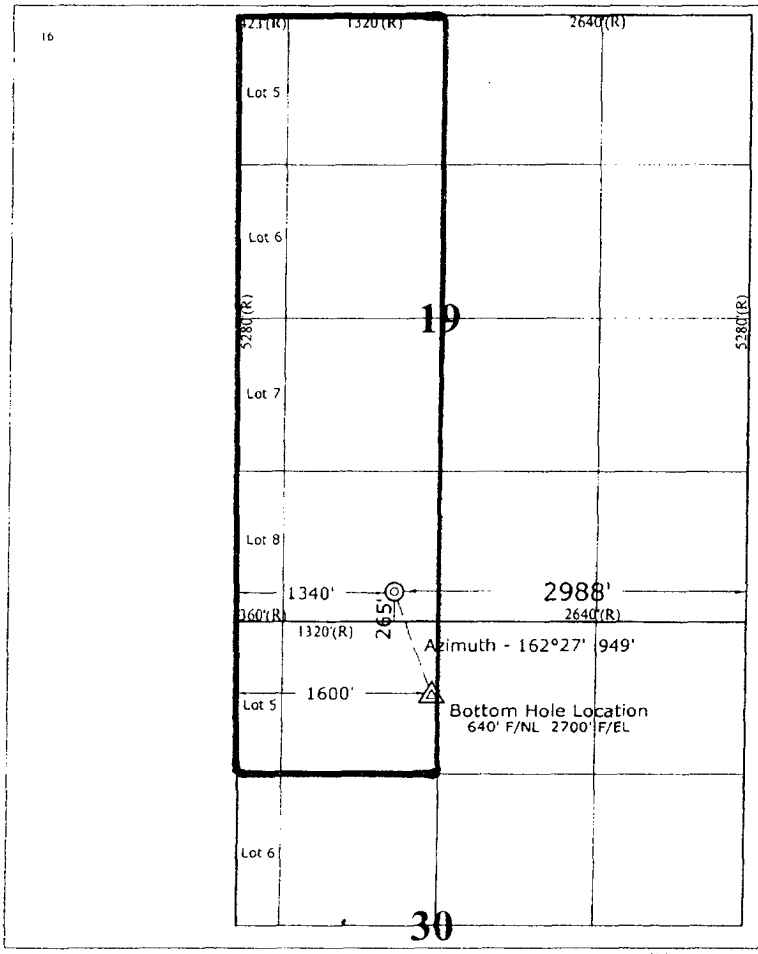
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	31 N	7 W		265	SOUTH	2988	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	31 N	7 W		640	NORTH	2700	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
259.82			R-2046

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



(R) - CLO Record

17 OPERATOR CERTIFICATION

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

Signature

Melisa Zimmerman
Printed Name

Sr. Operations Technician
Title

July 27, 2005
Date

18 SURVEYOR CERTIFICATION

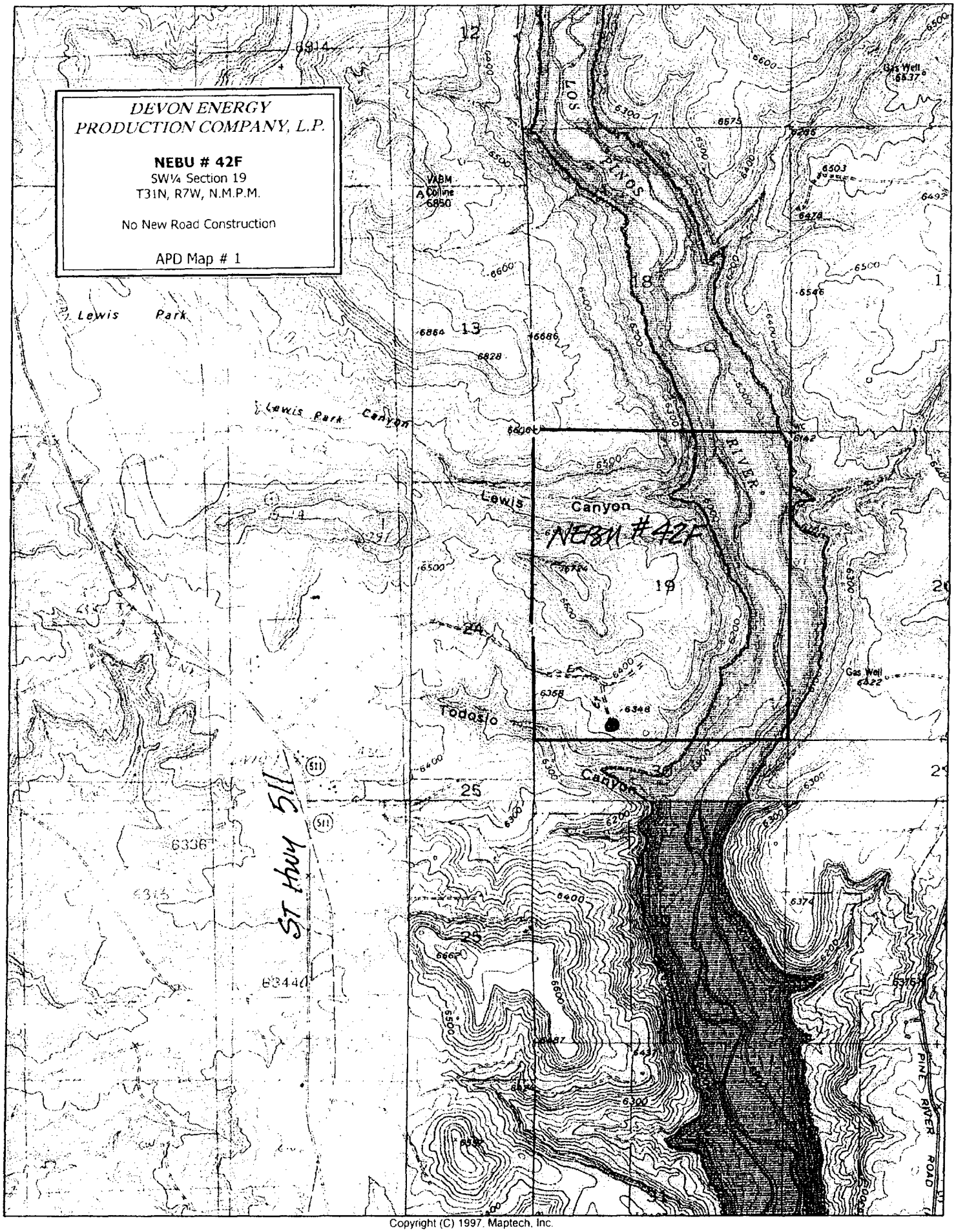
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

June 8, 2005
Date of Survey

Signature and Seal of Professional Surveyor

GARY D. VANN — NEW MEXICO — JAN 10 2005 — REGISTERED PROFESSIONAL LAND SURVEYOR

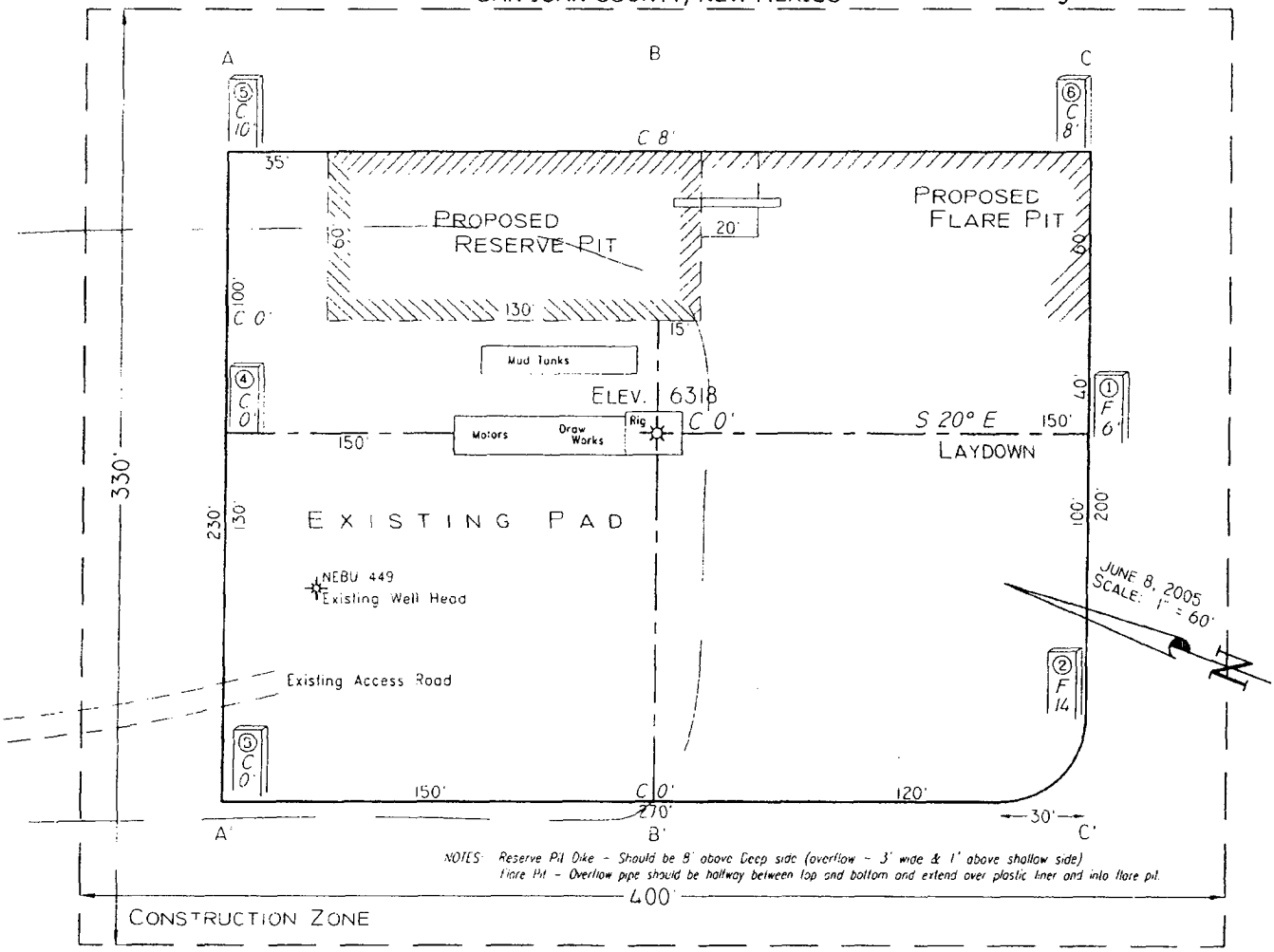
7016
Certificate Number



PAD LAYOUT PLAN & PROFILE
DEVON ENERGY PRODUCTION COMPANY, L.P.
Nebu # 42F
265' F/SL 1340' F/WL
SEC. 19, T31N, R7W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

Lat: 36.8786°
Long: 107.6136°

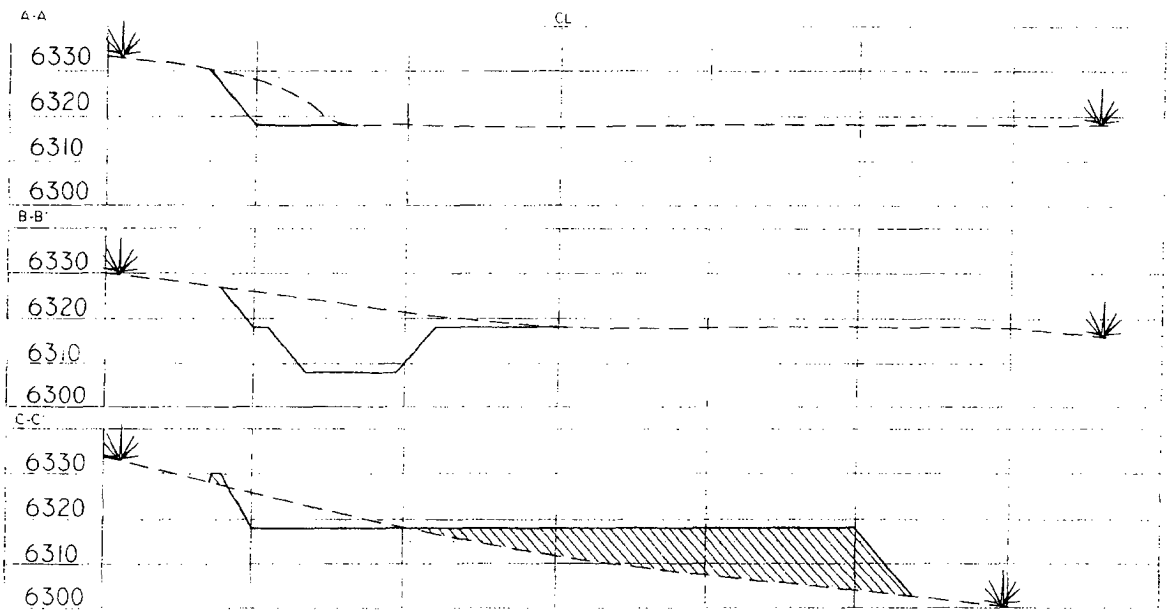
Lat: 36°52'43"
Long: 107°36'49"



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

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

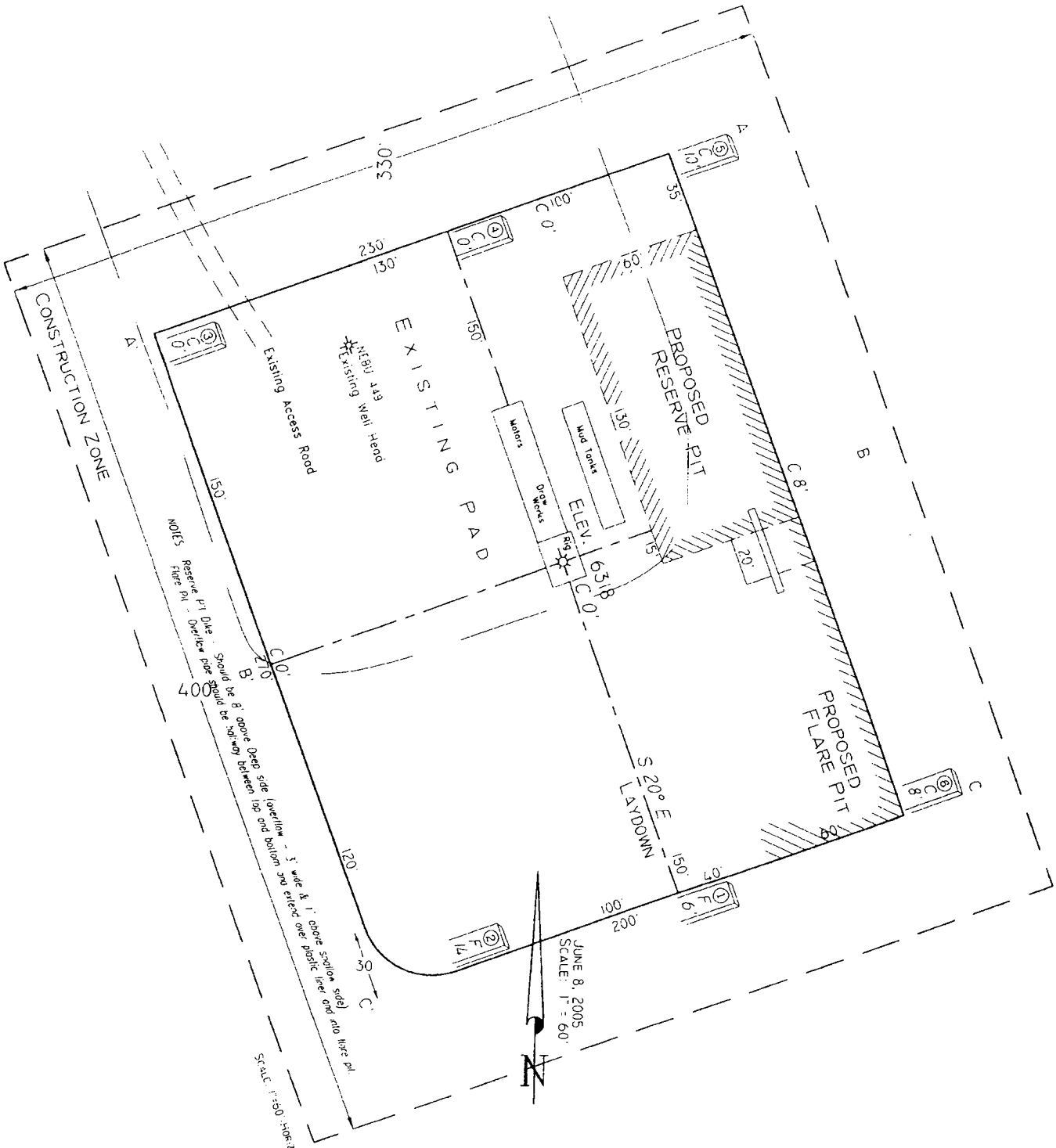
Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.

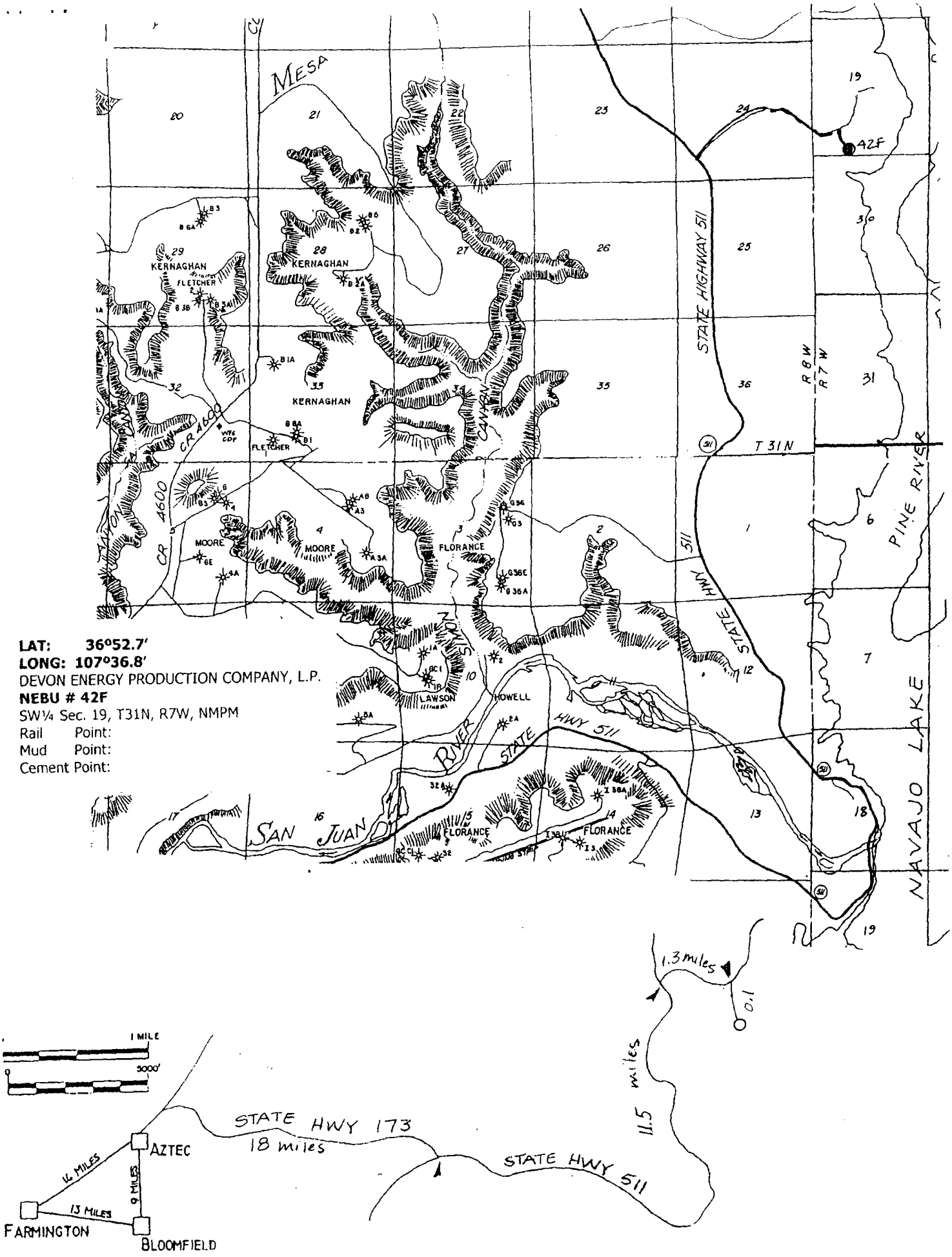
VANN SURVEYS
P. O. Box 1306
Farmington, NM

PAD LAYOUT PLAN & PROFILE
DEVON ENERGY PRODUCTION COMPANY, L.P.
Nebu # 42F
265' F/SL 1340' F/WL
SEC. 19, T31N, R7W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

Lat:	36.8786°
Long:	107.6136°

Lat: 36°52'43"
Long: 107°36'49"





LAT: 36°52.7'
LONG: 107°36.8'
DEVON ENERGY PRODUCTION COMPANY, L.P.
NEBU # 42F
SW¼ Sec. 19, T31N, R7W, NMPM
Rail Point:
Mud Point:
Cement Point: