

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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. NMNM89055
2. Name of Operator DEVON ENERGY PRODUCTION CO. LP		6. If Indian, Allottee or Tribe Name
Contact: ERIN L WORKMAN Email: ERIN.WORKMAN@DVN.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 333 WEST SHERIDAN AVENUE OKC, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	8. Well Name and No. COTTON DRAW UNIT 116
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 36 T24S R31E 330FSL 430FEL		9. API Well No. 30-015-37926
		10. Field and Pool, or Exploratory AVALON; BONE SPRING
		11. County or Parish, and State EDDY COUNTY, 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
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A PD
	☐ 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 recompleate 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 recompleation 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.)

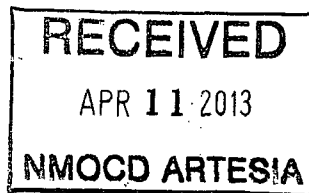
Devon Energy Production Company, LP respectfully requests to change the following: Avalon; Bone Spring to the Lower Brushy Canyon; Delaware

Current SHL/BHL

SHL: 36-24S-31E, 330 FSL & 430 FEL
BHL: 25-24S-31E, 330 FNL & 430 FEL

TO

Proposed SHL & BHL

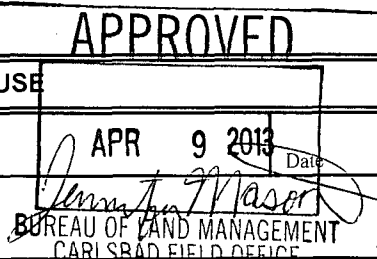


Accepted for NMOC D 4/11/2013

**SUBJECT TO LIKE
APPROVAL BY STATE**

Original COA still stand.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #200654 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO.,LP, sent to the Hobbs	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 03/05/2013
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
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 _____	Office _____



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.

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

Provide signed, completed for C102 to NMOC D

Additional data for EC transaction #200654 that would not fit on the form

32. Additional remarks, continued

SHL: 36-24S-31E, 330 FSL & 430 FEL (drill flat, no inclination) Staying the same
BHL: 25-24S-31E, 2360 FSL & 430 FEL (0 degree azimuth from surface)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
311 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name Lower Brushy Canyon; Delaware
⁴ Property Code	⁵ Property Name COTTON DRAW UNIT	⁶ Well Number 116H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3482.4

¹⁰ Surface Location

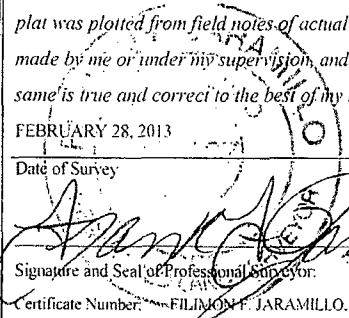
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	24 S	31 E		330	SOUTH	430	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

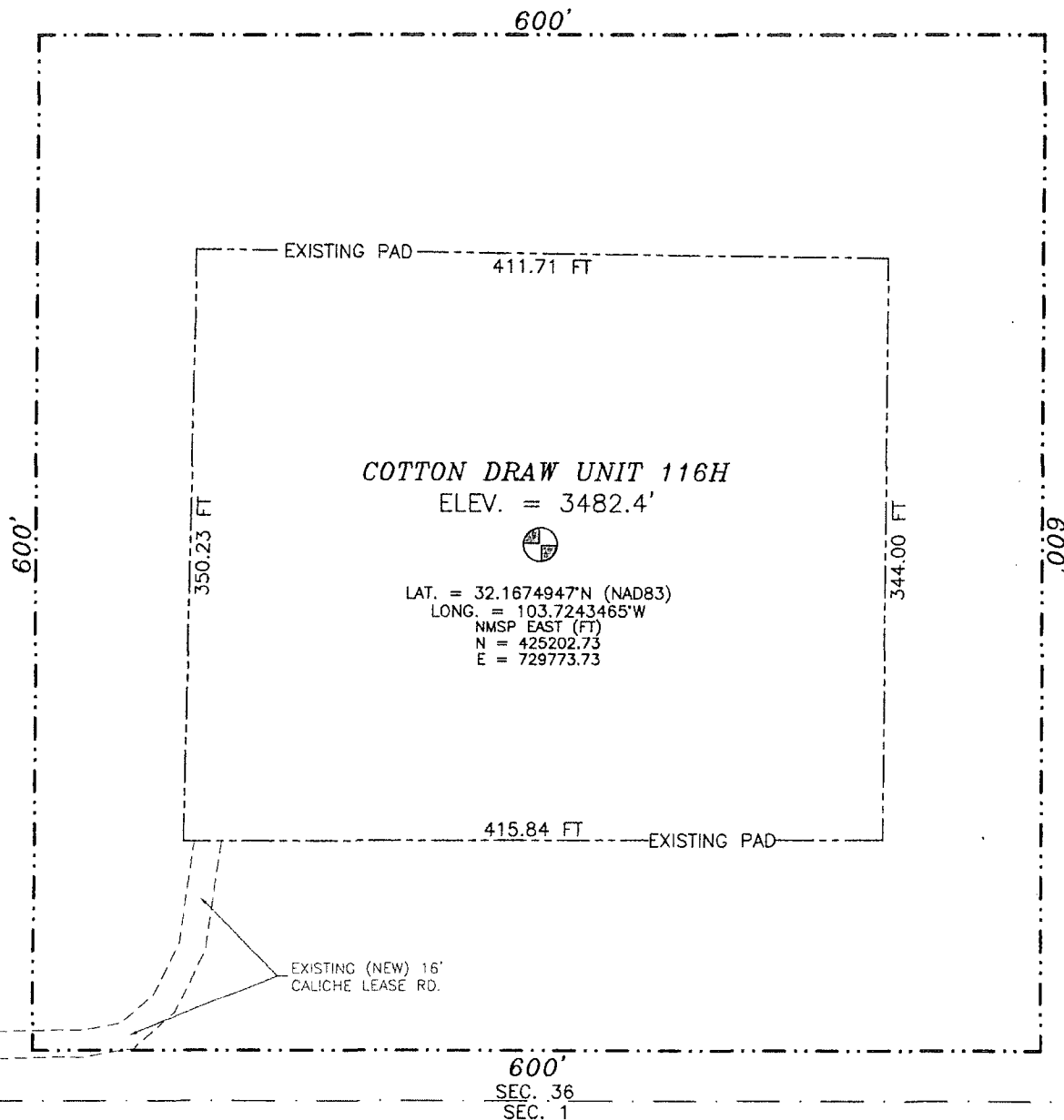
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	25	24 S	31 E		2360	SOUTH	430	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

NW CORNER SEC. 25 LAT. = 32.1956016°N LONG. = 103.7400459°W NMSP EAST (FT) N = 435400.53 E = 724859.44 W/4 CORNER SEC. 25 LAT. = 32.1883438°N LONG. = 103.7400432°W NMSP EAST (FT) N = 432760.23 E = 724874.85 SECTION CORNER LAT. = 32.1810843°N LONG. = 103.7400380°W NMSP EAST (FT) N = 430119.30 E = 724891.03 W/4 CORNER SEC. 36 LAT. = 32.1738255°N LONG. = 103.7400604°W NMSP EAST (FT) N = 427478.61 E = 724898.64 SW CORNER SEC. 36 LAT. = 32.1666604°N LONG. = 103.7400852°W NMSP EAST (FT) N = 424872.03 E = 724905.34	N/4 CORNER SEC. 25 LAT. = 32.1956042°N LONG. = 103.7315139°W NMSP EAST (FT) N = 435416.14 E = 727498.70 SEC 25 BOTTOM OF HOLE LAT. = 32.1875752°N LONG. = 103.7243585°W NMSP EAST (FT) N = 432507.75 E = 729728.66 QUARTER CORNER LAT. = 32.1810872°N LONG. = 103.7315028°W NMSP EAST (FT) N = 430135.04 E = 727531.69 SEC 36 COTTON DRAW UNIT 116H ELEV. = 3482.4 LAT. = 32.1674947°N (NAD83) LONG. = 103.7243465°W NMSP EAST (FT) N = 425202.73 E = 729773.73 S/4 CORNER SEC. 36 LAT. = 32.1666199°N LONG. = 103.7315230°W NMSP EAST (FT) N = 424872.00 E = 727554.88	NE CORNER SEC. 25 LAT. = 32.1956015°N LONG. = 103.7229721°W NMSP EAST (FT) N = 435430.06 E = 730140.99 E/4 CORNER SEC. 25 LAT. = 32.1883465°N LONG. = 103.7229690°W NMSP EAST (FT) N = 432790.77 E = 730156.93 SECTION CORNER LAT. = 32.1810898°N LONG. = 103.7229679°W NMSP EAST (FT) N = 430150.88 E = 730172.25 E/4 CORNER SEC. 36 LAT. = 32.1738293°N LONG. = 103.7229618°W NMSP EAST (FT) N = 427509.60 E = 730189.13 SE CORNER SEC. 36 LAT. = 32.1665815°N LONG. = 103.7229565°W NMSP EAST (FT) N = 424872.96 E = 730205.72	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____ 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. FEBRUARY 28, 2013 Date of Survey _____ Signature and Seal of Professional Surveyor:  Certificate Number: FILMONT F. JARAMILLO, PLS 12797 SURVEY NO. 1638
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SECTION 36, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY 128 (JAL HWY) AND CR1 (ORLA ROAD) GO SOUTH ON CR1 6.3 MILES THEN TURN RIGHT (WEST) ON CALICHE LEASE ROAD GO 2.1 MILES TURN RIGHT 0.82 MILES TURN LEFT 2.0 MILES TURN RIGHT 1.9 MILES TURN LEFT 0.32 MILES TURN RIGHT 0.42 MILES TURN RIGHT 0.7 MILES TO ROAD INTERSECTION CONTINUE EAST ON NEW CALICHE ROAD END AT SITE.

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT 116H

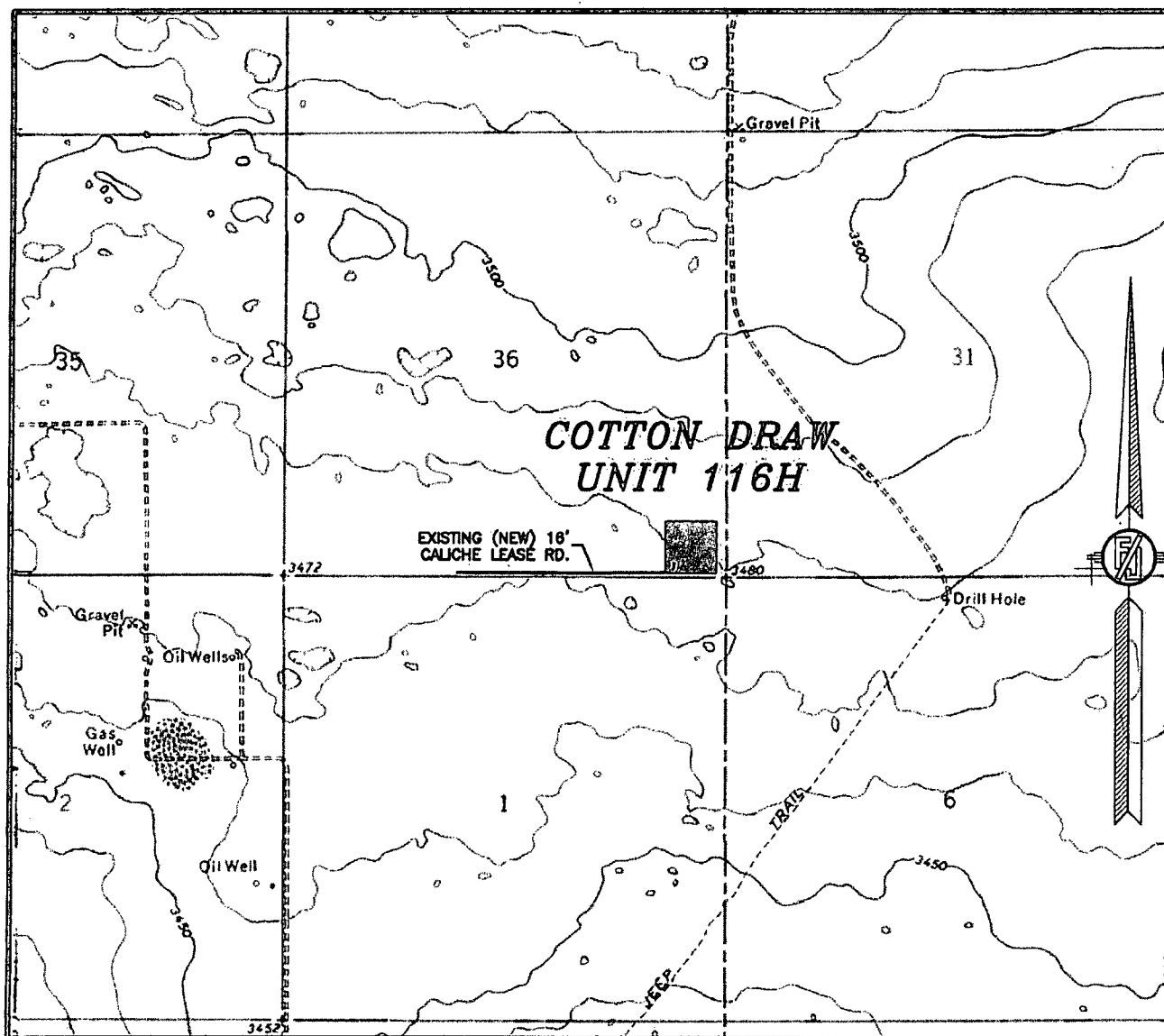
LOCATED 330 FT. FROM THE SOUTH LINE
AND 430 FT. FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 24 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 28, 2013

SURVEY NO. 1638

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 36, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
PADUCA BREAKS NW

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT 116H

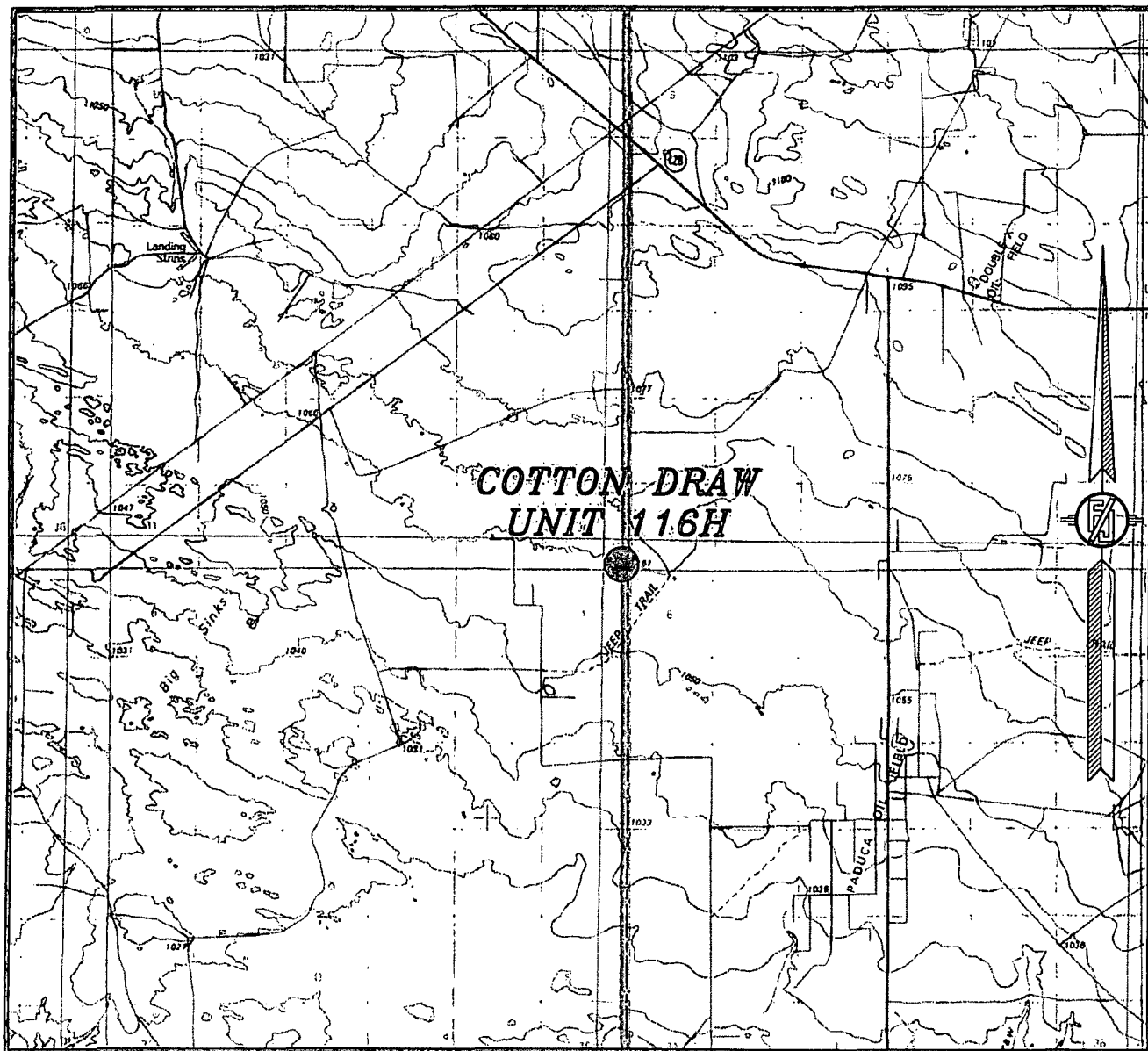
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EDDY COUNTY, STATE OF NEW MEXICO

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SECTION 36, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT 116H

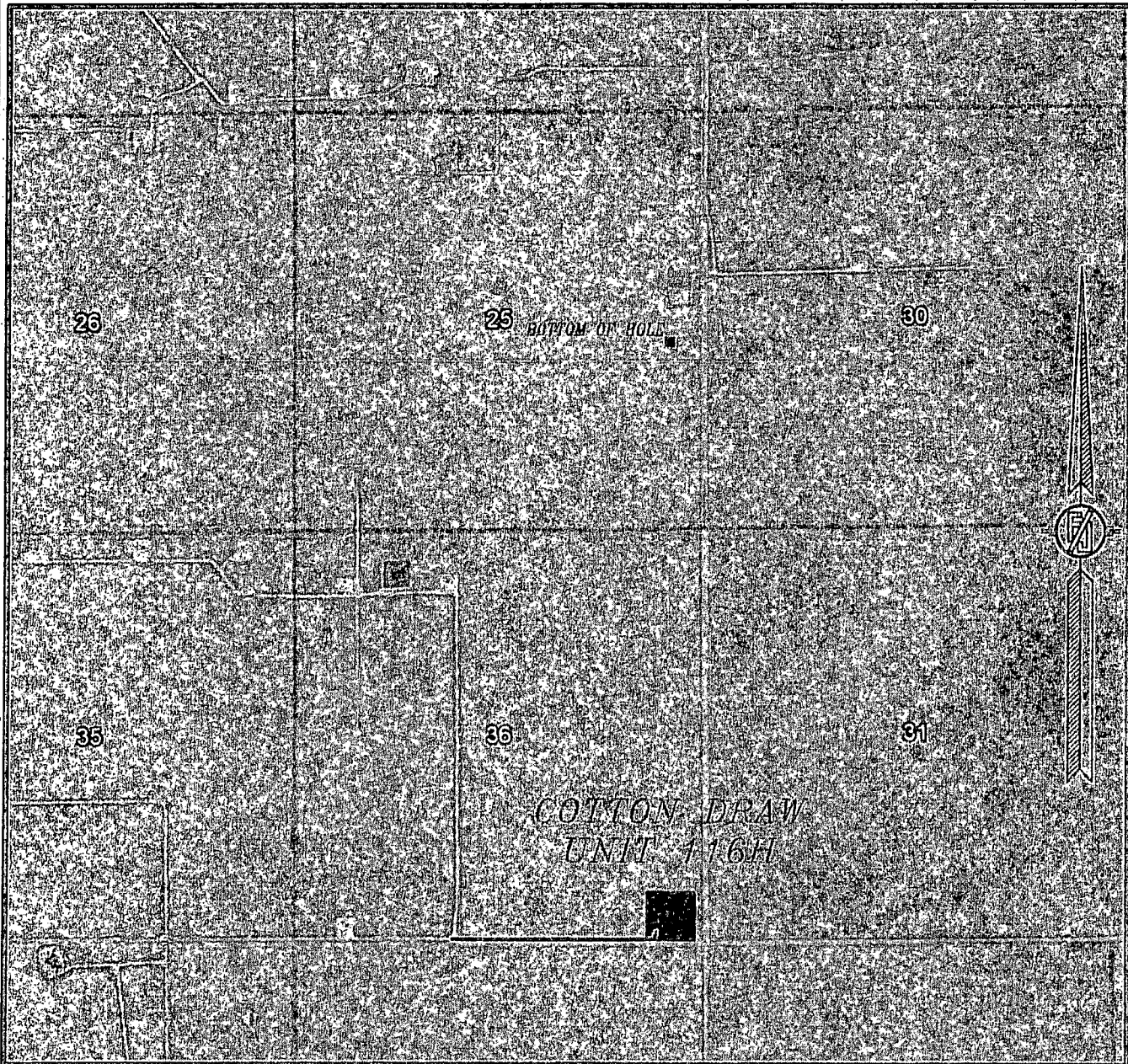
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EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 28, 2013

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SECTION 36, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MARCH 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT 116H

LOCATED 330 FT. FROM THE SOUTH LINE
AND 430 FT. FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 24 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 28, 2013

SURVEY NO. 1638

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



Weatherford[®]

Drilling Services

Proposal



devon

COTTON DRAW UNIT #116H

EDDY COUNTY, NM

WELL FILE: PLAN 3

MARCH 5, 2013

Weatherford International, Ltd.

P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

devon

Cotton Draw Unit #116H Eddy Co., NM

KB ELEV: 3507
GL ELEV: 3482

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.65	0.00	0.00	0.00	0.00	0.00	0.00	
2	7719.04	0.00	359.65	7719.04	0.00	0.00	0.00	0.00	0.00	
3	8619.04	90.00	359.65	8292.00	572.95	-3.53	10.00	359.65	572.96	
4	15351.24	90.00	359.65	8292.00	7305.02	-45.07	0.00	0.00	7305.16	Pbhl

WELL DETAILS

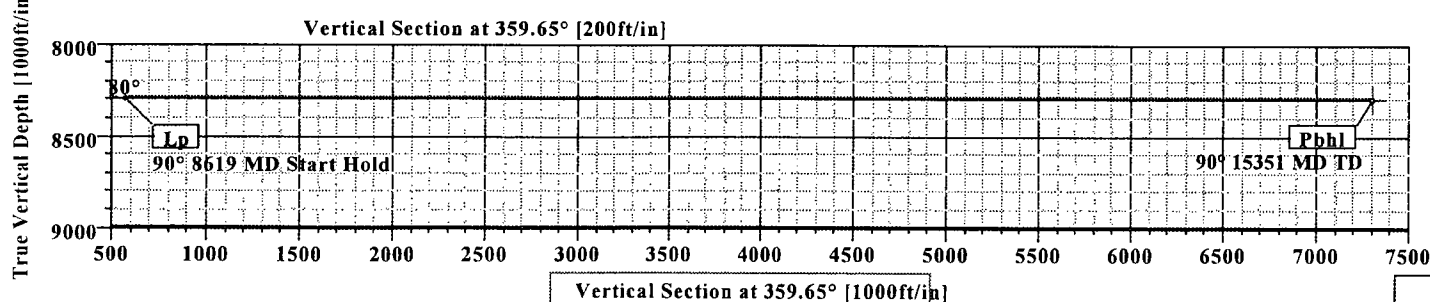
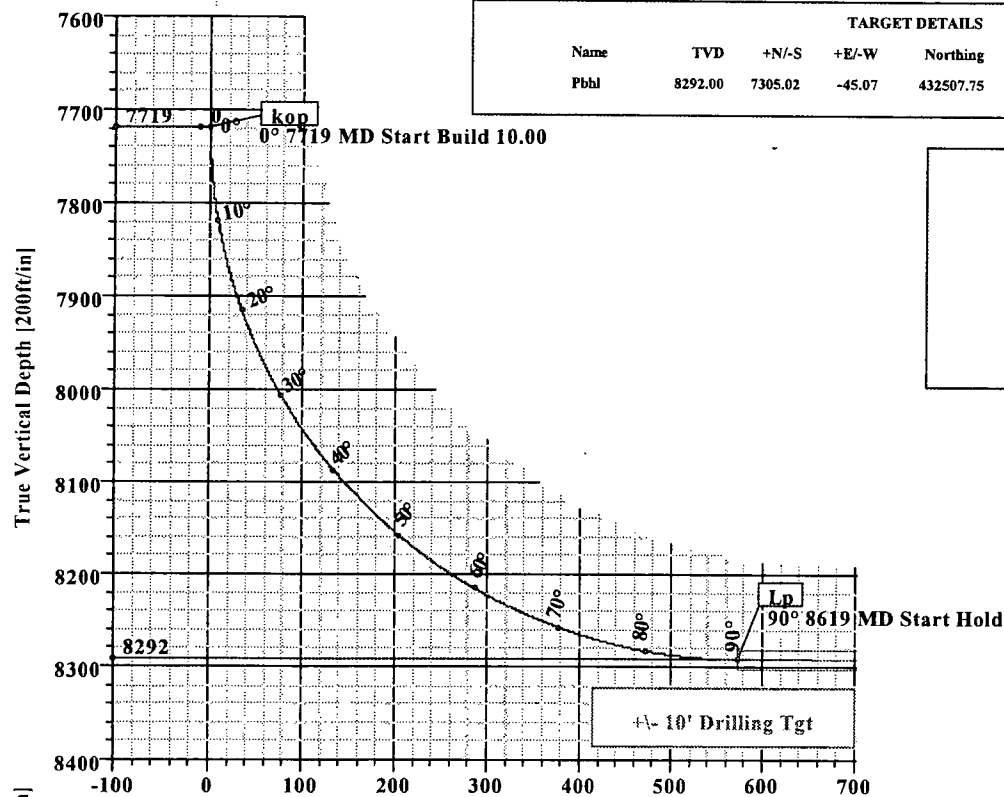
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cotton Draw Unit #116H	0.00	0.00	425202.73	729773.73	32°10'02.973N	103°43'27.664W	N/A

TARGET DETAILS

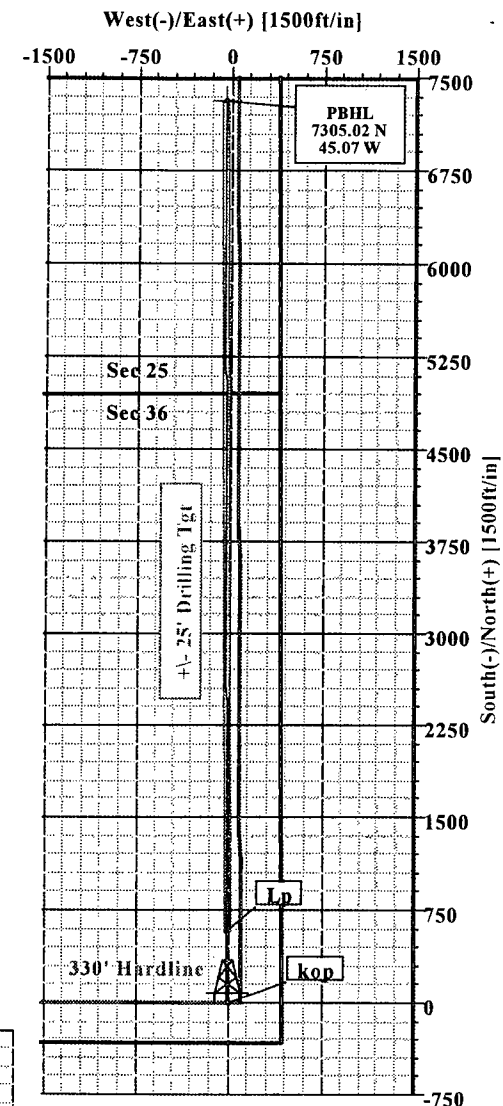
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	8292.00	7305.02	-45.07	432507.75	729728.66	Rectangle (6733x50)

SITE DETAILS

Cotton Draw Unit #116H
Site Centre Northing: 425202.73
Easting: 729773.73
Ground Level: 3482.00
Positional Uncertainty: 0.00
Convergence: 0.32



Weatherford



Plan: Plan #3 (Cotton Draw Unit #116H/1)

Created By: Russell W. Joyner

Date: 3/5/2013



Weatherford

Wft Plan Report X Y's.



Weatherford

Company: Devon Energy Date: 3/5/2013 Time: 10:18:44 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Cotton Draw Unit #116H Grid North
Site: Cotton Draw Unit #116H Vertical (TVD) Reference: SITE 3507.0
Well: Cotton Draw Unit #116H Section (VS) Reference: Well (0.00N, 0.00E, 359.65Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #3 Date Composed: 4/7/2010
Principal: Yes Version: 1
Tied-to: From Surface

Site: Cotton Draw Unit #116H
Site Position: Northing: 425202.73 ft Latitude: 32 10 2.973 N
From: Map Easting: 729773.73 ft Longitude: 103 43 27.664 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3482.00 ft Grid Convergence: 0.32 deg

Well: Cotton Draw Unit #116H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 425202.73 ft Latitude: 32 10 2.973 N
+E/-W 0.00 ft Easting: 729773.73 ft Longitude: 103 43 27.664 W
Position Uncertainty: 0.00 ft

Wellpath: 1
Current Datum: SITE Height 3507.00 ft
Magnetic Data: 10/1/2010
Field Strength: 48661 nT
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
ft ft ft deg
0.00 0.00 0.00 359.65

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	359.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7719.04	0.00	359.65	7719.04	0.00	0.00	0.00	0.00	0.00	0.00	
8619.04	90.00	359.65	8292.00	572.95	-3.53	10.00	10.00	0.00	359.65	
15351.24	90.00	359.65	8292.00	7305.02	-45.07	0.00	0.00	0.00	0.00	Pbhl

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
7700.00	0.00	359.65	7700.00	0.00	0.00	0.00	0.00	425202.73	729773.73	
7719.04	0.00	359.65	7719.04	0.00	0.00	0.00	0.00	425202.73	729773.73	kop
7750.00	3.10	359.65	7749.98	0.84	-0.01	0.84	10.00	425203.57	729773.72	
7800.00	8.10	359.65	7799.73	5.71	-0.04	5.71	10.00	425208.44	729773.69	
7850.00	13.10	359.65	7848.86	14.90	-0.09	14.90	10.00	425217.63	729773.64	
7900.00	18.10	359.65	7897.01	28.34	-0.17	28.34	10.00	425231.07	729773.56	
7950.00	23.10	359.65	7943.80	45.92	-0.28	45.92	10.00	425248.65	729773.45	
8000.00	28.10	359.65	7988.87	67.52	-0.42	67.52	10.00	425270.25	729773.31	
8050.00	33.10	359.65	8031.90	92.96	-0.57	92.96	10.00	425295.69	729773.16	
8100.00	38.10	359.65	8072.54	122.05	-0.75	122.05	10.00	425324.78	729772.98	
8150.00	43.10	359.65	8110.50	154.57	-0.95	154.58	10.00	425357.30	729772.78	
8200.00	48.10	359.65	8145.47	190.28	-1.17	190.29	10.00	425393.01	729772.56	
8250.00	53.10	359.65	8177.20	228.90	-1.41	228.91	10.00	425431.63	729772.32	
8300.00	58.10	359.65	8205.44	270.14	-1.67	270.15	10.00	425472.87	729772.06	
8350.00	63.10	359.65	8229.99	313.69	-1.94	313.69	10.00	425516.42	729771.79	
8400.00	68.10	359.65	8250.64	359.21	-2.22	359.21	10.00	425561.94	729771.51	
8450.00	73.10	359.65	8267.24	406.35	-2.51	406.36	10.00	425609.08	729771.22	
8500.00	78.10	359.65	8279.68	454.76	-2.81	454.77	10.00	425657.49	729770.92	
8550.00	83.10	359.65	8287.85	504.07	-3.11	504.08	10.00	425706.80	729770.62	
8600.00	88.10	359.65	8291.68	553.91	-3.42	553.92	10.00	425756.64	729770.31	
8619.04	90.00	359.65	8292.00	572.95	-3.53	572.96	10.00	425775.68	729770.20	Lp
8700.00	90.00	359.65	8292.00	653.90	-4.03	653.92	0.00	425856.63	729769.70	
8800.00	90.00	359.65	8292.00	753.90	-4.65	753.92	0.00	425956.63	729769.08	



Weatherford

Wft Plan Report X Y's.



Weatherford

Company: Devon Energy Date: 3/5/2013 Time: 10:18:44 Page: 2
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Cotton Draw Unit #116H, Grid North
Site: Cotton Draw Unit #116H Vertical (TVD) Reference: SITE 3507.0
Well: Cotton Draw Unit #116H Section (VS) Reference: Well (0.00N,0.00E:359.65Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8900.00	90.00	359.65	8292.00	853.90	-5.27	853.92	0.00	426056.63	729768.46	
9000.00	90.00	359.65	8292.00	953.90	-5.89	953.92	0.00	426156.63	729767.84	
9100.00	90.00	359.65	8292.00	1053.90	-6.50	1053.92	0.00	426256.63	729767.23	
9200.00	90.00	359.65	8292.00	1153.89	-7.12	1153.92	0.00	426356.62	729766.61	
9300.00	90.00	359.65	8292.00	1253.89	-7.74	1253.92	0.00	426456.62	729765.99	
9400.00	90.00	359.65	8292.00	1353.89	-8.35	1353.92	0.00	426556.62	729765.38	
9500.00	90.00	359.65	8292.00	1453.89	-8.97	1453.92	0.00	426656.62	729764.76	
9600.00	90.00	359.65	8292.00	1553.89	-9.59	1553.92	0.00	426756.62	729764.14	
9700.00	90.00	359.65	8292.00	1653.88	-10.20	1653.92	0.00	426856.61	729763.53	
9800.00	90.00	359.65	8292.00	1753.88	-10.82	1753.92	0.00	426956.61	729762.91	
9900.00	90.00	359.65	8292.00	1853.88	-11.44	1853.92	0.00	427056.61	729762.29	
10000.00	90.00	359.65	8292.00	1953.88	-12.05	1953.92	0.00	427156.61	729761.68	
10100.00	90.00	359.65	8292.00	2053.88	-12.67	2053.92	0.00	427256.61	729761.06	
10200.00	90.00	359.65	8292.00	2153.87	-13.29	2153.92	0.00	427356.60	729760.44	
10300.00	90.00	359.65	8292.00	2253.87	-13.91	2253.92	0.00	427456.60	729759.82	
10400.00	90.00	359.65	8292.00	2353.87	-14.52	2353.92	0.00	427556.60	729759.21	
10500.00	90.00	359.65	8292.00	2453.87	-15.14	2453.92	0.00	427656.60	729758.59	
10600.00	90.00	359.65	8292.00	2553.87	-15.76	2553.92	0.00	427756.60	729757.97	
10700.00	90.00	359.65	8292.00	2653.87	-16.37	2653.92	0.00	427856.60	729757.36	
10800.00	90.00	359.65	8292.00	2753.86	-16.99	2753.92	0.00	427956.59	729756.74	
10900.00	90.00	359.65	8292.00	2853.86	-17.61	2853.92	0.00	428056.59	729756.12	
11000.00	90.00	359.65	8292.00	2953.86	-18.22	2953.92	0.00	428156.59	729755.51	
11100.00	90.00	359.65	8292.00	3053.86	-18.84	3053.92	0.00	428256.59	729754.89	
11200.00	90.00	359.65	8292.00	3153.86	-19.46	3153.92	0.00	428356.59	729754.27	
11300.00	90.00	359.65	8292.00	3253.85	-20.08	3253.92	0.00	428456.58	729753.65	
11400.00	90.00	359.65	8292.00	3353.85	-20.69	3353.92	0.00	428556.58	729753.04	
11500.00	90.00	359.65	8292.00	3453.85	-21.31	3453.92	0.00	428656.58	729752.42	
11600.00	90.00	359.65	8292.00	3553.85	-21.93	3553.92	0.00	428756.58	729751.80	
11700.00	90.00	359.65	8292.00	3653.85	-22.54	3653.92	0.00	428856.58	729751.19	
11800.00	90.00	359.65	8292.00	3753.84	-23.16	3753.92	0.00	428956.57	729750.57	
11900.00	90.00	359.65	8292.00	3853.84	-23.78	3853.92	0.00	429056.57	729749.95	
12000.00	90.00	359.65	8292.00	3953.84	-24.39	3953.92	0.00	429156.57	729749.34	
12100.00	90.00	359.65	8292.00	4053.84	-25.01	4053.92	0.00	429256.57	729748.72	
12200.00	90.00	359.65	8292.00	4153.84	-25.63	4153.92	0.00	429356.57	729748.10	
12300.00	90.00	359.65	8292.00	4253.83	-26.25	4253.92	0.00	429456.56	729747.48	
12400.00	90.00	359.65	8292.00	4353.83	-26.86	4353.92	0.00	429556.56	729746.87	
12500.00	90.00	359.65	8292.00	4453.83	-27.48	4453.92	0.00	429656.56	729746.25	
12600.00	90.00	359.65	8292.00	4553.83	-28.10	4553.92	0.00	429756.56	729745.63	
12700.00	90.00	359.65	8292.00	4653.83	-28.71	4653.92	0.00	429856.56	729745.02	
12800.00	90.00	359.65	8292.00	4753.83	-29.33	4753.92	0.00	429956.56	729744.40	
12900.00	90.00	359.65	8292.00	4853.82	-29.95	4853.92	0.00	430056.55	729743.78	
13000.00	90.00	359.65	8292.00	4953.82	-30.56	4953.92	0.00	430156.55	729743.17	
13100.00	90.00	359.65	8292.00	5053.82	-31.18	5053.92	0.00	430256.55	729742.55	
13200.00	90.00	359.65	8292.00	5153.82	-31.80	5153.92	0.00	430356.55	729741.93	
13300.00	90.00	359.65	8292.00	5253.82	-32.41	5253.92	0.00	430456.55	729741.32	
13400.00	90.00	359.65	8292.00	5353.81	-33.03	5353.92	0.00	430556.54	729740.70	
13500.00	90.00	359.65	8292.00	5453.81	-33.65	5453.92	0.00	430656.54	729740.08	
13600.00	90.00	359.65	8292.00	5553.81	-34.27	5553.92	0.00	430756.54	729739.46	
13700.00	90.00	359.65	8292.00	5653.81	-34.88	5653.92	0.00	430856.54	729738.85	
13800.00	90.00	359.65	8292.00	5753.81	-35.50	5753.92	0.00	430956.54	729738.23	
13900.00	90.00	359.65	8292.00	5853.80	-36.12	5853.92	0.00	431056.53	729737.61	
14000.00	90.00	359.65	8292.00	5953.80	-36.73	5953.92	0.00	431156.53	729737.00	



Company: Devon Energy
 Field: Eddy Co. NM (NAD 83)
 Site: Cotton Draw Unit #116H
 Well: Cotton Draw Unit #116H
 Wellpath: 1

Date: 3/5/2013 Time: 10:18:44 Page: 3
 Co-ordinate(NE) Reference: Well: Cotton Draw Unit #116H; Grid: North
 Vertical (TVD) Reference: SITE 3507.0
 Section (VS) Reference: Well: (0.00N,0.00E,359.65Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
14100.00	90.00	359.65	8292.00	6053.80	-37.35	6053.92	0.00	431256.53	729736.38	
14200.00	90.00	359.65	8292.00	6153.80	-37.97	6153.92	0.00	431356.53	729735.76	
14300.00	90.00	359.65	8292.00	6253.80	-38.58	6253.92	0.00	431456.53	729735.15	
14400.00	90.00	359.65	8292.00	6353.79	-39.20	6353.92	0.00	431556.52	729734.53	
14500.00	90.00	359.65	8292.00	6453.79	-39.82	6453.92	0.00	431656.52	729733.91	
14600.00	90.00	359.65	8292.00	6553.79	-40.44	6553.92	0.00	431756.52	729733.29	
14700.00	90.00	359.65	8292.00	6653.79	-41.05	6653.92	0.00	431856.52	729732.68	
14800.00	90.00	359.65	8292.00	6753.79	-41.67	6753.92	0.00	431956.52	729732.06	
14900.00	90.00	359.65	8292.00	6853.79	-42.29	6853.92	0.00	432056.52	729731.44	
15000.00	90.00	359.65	8292.00	6953.78	-42.90	6953.92	0.00	432156.51	729730.83	
15100.00	90.00	359.65	8292.00	7053.78	-43.52	7053.92	0.00	432256.51	729730.21	
15200.00	90.00	359.65	8292.00	7153.78	-44.14	7153.92	0.00	432356.51	729729.59	
15300.00	90.00	359.65	8292.00	7253.78	-44.75	7253.92	0.00	432456.51	729728.98	
15351.24	90.00	359.65	8292.00	7305.02	-45.07	7305.16	0.00	432507.75	729728.66	Pbhl

Targets

Name	Description Dip.	TVD Dir. ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
Pbhl		8292.00	7305.02	-45.07	432507.75	729728.66	32	11	15.262 N	103	43	27.708 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
7719.04	7719.04	kop
8619.04	8292.00	Lp
15351.24	8292.00	Pbhl

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: March 05, 2013
Job Number: _____
Customer: Devon Energy
Well Name: Cotton Draw Unit #116H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM
Block: _____
Engineer: R Joyner

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 425202.730 USFT	Latitude 32.167497 DEG
East/West 729773.730 USFT	Longitude -103.7243464 DEG
Grid Convergence: .32°	
Total Correction: +7.21°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.16749° N	32° 10 min 2.981 sec
Longitude =	103.72435° W	103° 43 min 27.647 sec

Magnetic Declination =	7.53°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6464
Local Field Strength =	48382 nT	Magnetic Vector X = 23969 nT
Magnetic Dip =	60.02°	Magnetic Vector Y = 3170 nT
Magnetic Model =	bggm2012	Magnetic Vector Z = 41907 nT
Spud Date =	Apr 15, 2013	Magnetic Vector H = 24178 nT

Signed: _____

Date: _____

Weatherford
Wft Plan Report X Y's.

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #116H
Well: Cotton Draw Unit #116H
Wellpath: 1

Date: 3/5/2013
Co-ordinate(NE) Refer
Vertical (TVD) Refere
Section (VS) Referenc
Survey Calculation Me

Plan: Plan #3

Date Composed:

Principal: Yes

Version:

Tied-to:

Site: Cotton Draw Unit #116H

Site Position:		Northing:	425202.73 ft	Latitude:	
From: Map		Easting:	729773.73 ft	Longitude:	1
Position Uncertainty:	0.00 ft			North Reference:	
Ground Level:	3482.00 ft			Grid Convergence:	

Well: Cotton Draw Unit #116H

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	425202.73 ft	Latitude:	
	+E/-W	0.00 ft	Easting :	729773.73 ft	Longitude:	1
Position Uncertainty:		0.00 ft				

Wellpath: 1

Current Datum:	SITE	Height	3507.00 ft	Drilled From:	
Magnetic Data:	10/1/2010			Tie-on Depth:	
Field Strength:	48661 nT			Above System Datum	
Vertical Section:Depth From (TVD)		+N/-S		Declination:	
	ft	ft		Mag Dip Angle:	
	0.00	0.00		+E/-W	
				ft	
				0.00	

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100f
0.00	0.00	359.65	0.00	0.00	0.00	0.00	0.00
7719.04	0.00	359.65	7719.04	0.00	0.00	0.00	0.00
8619.04	90.00	359.65	8292.00	572.95	-3.53	10.00	10.00
15351.24	90.00	359.65	8292.00	7305.02	-45.07	0.00	0.00

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS
ft	deg	deg	ft	ft	ft	ft	deg/100ft
7700.00	0.00	359.65	7700.00	0.00	0.00	0.00	0.00
7719.04	0.00	359.65	7719.04	0.00	0.00	0.00	0.00
7750.00	3.10	359.65	7749.98	0.84	-0.01	0.84	10.00
7800.00	8.10	359.65	7799.73	5.71	-0.04	5.71	10.00
7850.00	13.10	359.65	7848.86	14.90	-0.09	14.90	10.00
7900.00	18.10	359.65	7897.01	28.34	-0.17	28.34	10.00
7950.00	23.10	359.65	7943.80	45.92	-0.28	45.92	10.00

8000.00	28.10	359.65	7988.87	67.52	-0.42	67.52	10.00
8050.00	33.10	359.65	8031.90	92.96	-0.57	92.96	10.00
8100.00	38.10	359.65	8072.54	122.05	-0.75	122.05	10.00
8150.00	43.10	359.65	8110.50	154.57	-0.95	154.58	10.00
8200.00	48.10	359.65	8145.47	190.28	-1.17	190.29	10.00
8250.00	53.10	359.65	8177.20	228.90	-1.41	228.91	10.00
8300.00	58.10	359.65	8205.44	270.14	-1.67	270.15	10.00
8350.00	63.10	359.65	8229.99	313.69	-1.94	313.69	10.00
8400.00	68.10	359.65	8250.64	359.21	-2.22	359.21	10.00
8450.00	73.10	359.65	8267.24	406.35	-2.51	406.36	10.00
8500.00	78.10	359.65	8279.68	454.76	-2.81	454.77	10.00
8550.00	83.10	359.65	8287.85	504.07	-3.11	504.08	10.00
8600.00	88.10	359.65	8291.68	553.91	-3.42	553.92	10.00
8619.04	90.00	359.65	8292.00	572.95	-3.53	572.96	10.00
8700.00	90.00	359.65	8292.00	653.90	-4.03	653.92	0.00
8800.00	90.00	359.65	8292.00	753.90	-4.65	753.92	0.00
8900.00	90.00	359.65	8292.00	853.90	-5.27	853.92	0.00
9000.00	90.00	359.65	8292.00	953.90	-5.89	953.92	0.00
9100.00	90.00	359.65	8292.00	1053.90	-6.50	1053.92	0.00
9200.00	90.00	359.65	8292.00	1153.89	-7.12	1153.92	0.00
9300.00	90.00	359.65	8292.00	1253.89	-7.74	1253.92	0.00
9400.00	90.00	359.65	8292.00	1353.89	-8.35	1353.92	0.00
9500.00	90.00	359.65	8292.00	1453.89	-8.97	1453.92	0.00
9600.00	90.00	359.65	8292.00	1553.89	-9.59	1553.92	0.00
9700.00	90.00	359.65	8292.00	1653.88	-10.20	1653.92	0.00
9800.00	90.00	359.65	8292.00	1753.88	-10.82	1753.92	0.00
9900.00	90.00	359.65	8292.00	1853.88	-11.44	1853.92	0.00
10000.00	90.00	359.65	8292.00	1953.88	-12.05	1953.92	0.00
10100.00	90.00	359.65	8292.00	2053.88	-12.67	2053.92	0.00
10200.00	90.00	359.65	8292.00	2153.87	-13.29	2153.92	0.00
10300.00	90.00	359.65	8292.00	2253.87	-13.91	2253.92	0.00
10400.00	90.00	359.65	8292.00	2353.87	-14.52	2353.92	0.00
10500.00	90.00	359.65	8292.00	2453.87	-15.14	2453.92	0.00
10600.00	90.00	359.65	8292.00	2553.87	-15.76	2553.92	0.00
10700.00	90.00	359.65	8292.00	2653.87	-16.37	2653.92	0.00
10800.00	90.00	359.65	8292.00	2753.86	-16.99	2753.92	0.00
10900.00	90.00	359.65	8292.00	2853.86	-17.61	2853.92	0.00
11000.00	90.00	359.65	8292.00	2953.86	-18.22	2953.92	0.00
11100.00	90.00	359.65	8292.00	3053.86	-18.84	3053.92	0.00
11200.00	90.00	359.65	8292.00	3153.86	-19.46	3153.92	0.00
11300.00	90.00	359.65	8292.00	3253.85	-20.08	3253.92	0.00
11400.00	90.00	359.65	8292.00	3353.85	-20.69	3353.92	0.00
11500.00	90.00	359.65	8292.00	3453.85	-21.31	3453.92	0.00
11600.00	90.00	359.65	8292.00	3553.85	-21.93	3553.92	0.00
11700.00	90.00	359.65	8292.00	3653.85	-22.54	3653.92	0.00
11800.00	90.00	359.65	8292.00	3753.84	-23.16	3753.92	0.00
11900.00	90.00	359.65	8292.00	3853.84	-23.78	3853.92	0.00
12000.00	90.00	359.65	8292.00	3953.84	-24.39	3953.92	0.00
12100.00	90.00	359.65	8292.00	4053.84	-25.01	4053.92	0.00
12200.00	90.00	359.65	8292.00	4153.84	-25.63	4153.92	0.00

12300.00	90.00	359.65	8292.00	4253.83	-26.25	4253.92	0.00
12400.00	90.00	359.65	8292.00	4353.83	-26.86	4353.92	0.00
12500.00	90.00	359.65	8292.00	4453.83	-27.48	4453.92	0.00
12600.00	90.00	359.65	8292.00	4553.83	-28.10	4553.92	0.00
12700.00	90.00	359.65	8292.00	4653.83	-28.71	4653.92	0.00
12800.00	90.00	359.65	8292.00	4753.83	-29.33	4753.92	0.00
12900.00	90.00	359.65	8292.00	4853.82	-29.95	4853.92	0.00
13000.00	90.00	359.65	8292.00	4953.82	-30.56	4953.92	0.00
13100.00	90.00	359.65	8292.00	5053.82	-31.18	5053.92	0.00
13200.00	90.00	359.65	8292.00	5153.82	-31.80	5153.92	0.00
13300.00	90.00	359.65	8292.00	5253.82	-32.41	5253.92	0.00
13400.00	90.00	359.65	8292.00	5353.81	-33.03	5353.92	0.00
13500.00	90.00	359.65	8292.00	5453.81	-33.65	5453.92	0.00
13600.00	90.00	359.65	8292.00	5553.81	-34.27	5553.92	0.00
13700.00	90.00	359.65	8292.00	5653.81	-34.88	5653.92	0.00
13800.00	90.00	359.65	8292.00	5753.81	-35.50	5753.92	0.00
13900.00	90.00	359.65	8292.00	5853.80	-36.12	5853.92	0.00
14000.00	90.00	359.65	8292.00	5953.80	-36.73	5953.92	0.00
14100.00	90.00	359.65	8292.00	6053.80	-37.35	6053.92	0.00
14200.00	90.00	359.65	8292.00	6153.80	-37.97	6153.92	0.00
14300.00	90.00	359.65	8292.00	6253.80	-38.58	6253.92	0.00
14400.00	90.00	359.65	8292.00	6353.79	-39.20	6353.92	0.00
14500.00	90.00	359.65	8292.00	6453.79	-39.82	6453.92	0.00
14600.00	90.00	359.65	8292.00	6553.79	-40.44	6553.92	0.00
14700.00	90.00	359.65	8292.00	6653.79	-41.05	6653.92	0.00
14800.00	90.00	359.65	8292.00	6753.79	-41.67	6753.92	0.00
14900.00	90.00	359.65	8292.00	6853.79	-42.29	6853.92	0.00
15000.00	90.00	359.65	8292.00	6953.78	-42.90	6953.92	0.00
15100.00	90.00	359.65	8292.00	7053.78	-43.52	7053.92	0.00
15200.00	90.00	359.65	8292.00	7153.78	-44.14	7153.92	0.00
15300.00	90.00	359.65	8292.00	7253.78	-44.75	7253.92	0.00
15351.24	90.00	359.65	8292.00	7305.02	-45.07	7305.16	0.00

Targets

Name	Description	TVD	+N/-S	+E/-W	Map	M	
	Dip.	Dir.	ft	ft	Northing	Ea	
Pbhl			8292.00	7305.02	-45.07	432507.75	729

Casing Points

MD	TVD	Diameter	Hole Size	Name
----	-----	----------	-----------	------

Annotation

MD	TVD	
ft	ft	
7719.04	7719.04	kop
8619.04	8292.00	Lp

15351.24 8292.00 Pbhl

3/12/2013

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, 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 Department

Form C-102
Revised October 15, 2009

Submit one copy to appropriate
District Office

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name COTTON DRAW UNIT	Well Number 116H
OGRID No.	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3475'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	24 S	31 E		330	SOUTH	430	EAST	EDDY

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
A	36	24 S	31 E		330	NORTH	430	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	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

N: 430136.5500 E: 727528.9060	PROPOSED BOTTOM HOLE LOCATION Lat - N 32°10'48.67" Long - W 103°43'27.17" NMSPCE- N 429818.699 E 729743.442 (NAD-83)	N: 430161.6820 E: 730169.4890	330' 430'
N: 424872.5550 E: 724902.3490	N: 424873.2330 E: 727551.7540	N: 427510.7010 E: 730186.2640	4616.3' 430'
SURFACE LOCATION Lat - N 32°10'02.99" Long - W 103°43'27.68" NMSPCE- N 425204.084 E 729770.628 (NAD-83)		N: 424874.2080 E: 730202.6670	430'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

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.

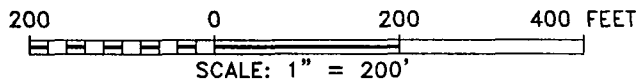
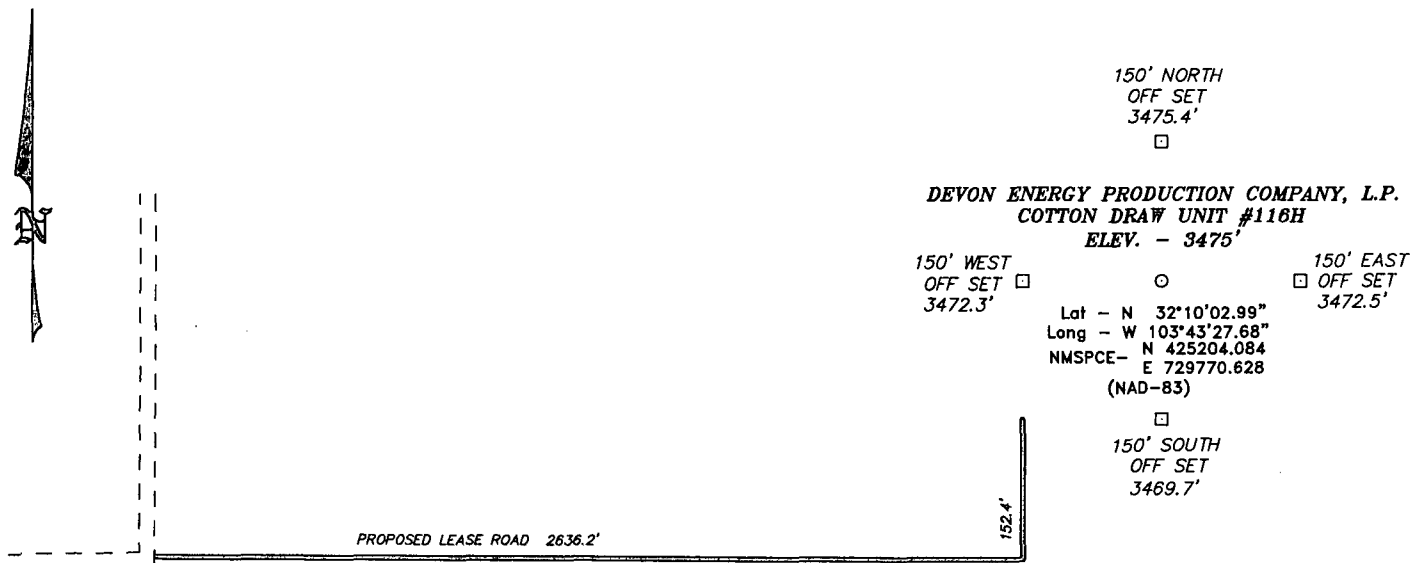
Date Surveyed _____

Signature & Seal of Professional Surveyor _____

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

SECTION 36, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF BUCK JACKSON AND BUCK THORN, GO EAST FOR 0.8 MILES TO LEASE ROAD, THENCE GO SOUTHEAST 2.3 MILES, THENCE EAST 1.9 MILES, THENCE NORTH 0.7 MILES; THENCE WEST 0.3 MILES THENCE NORTH 0.4 MILES TO FENCE LINE, GO EAST 0.7 MILES TO PROPOSED LEASE ROAD.

DEVON ENERGY PRODUCTION COMPANY, L.P.

REF: COTTON DRAW UNIT #116H / WELL PAD TOPO

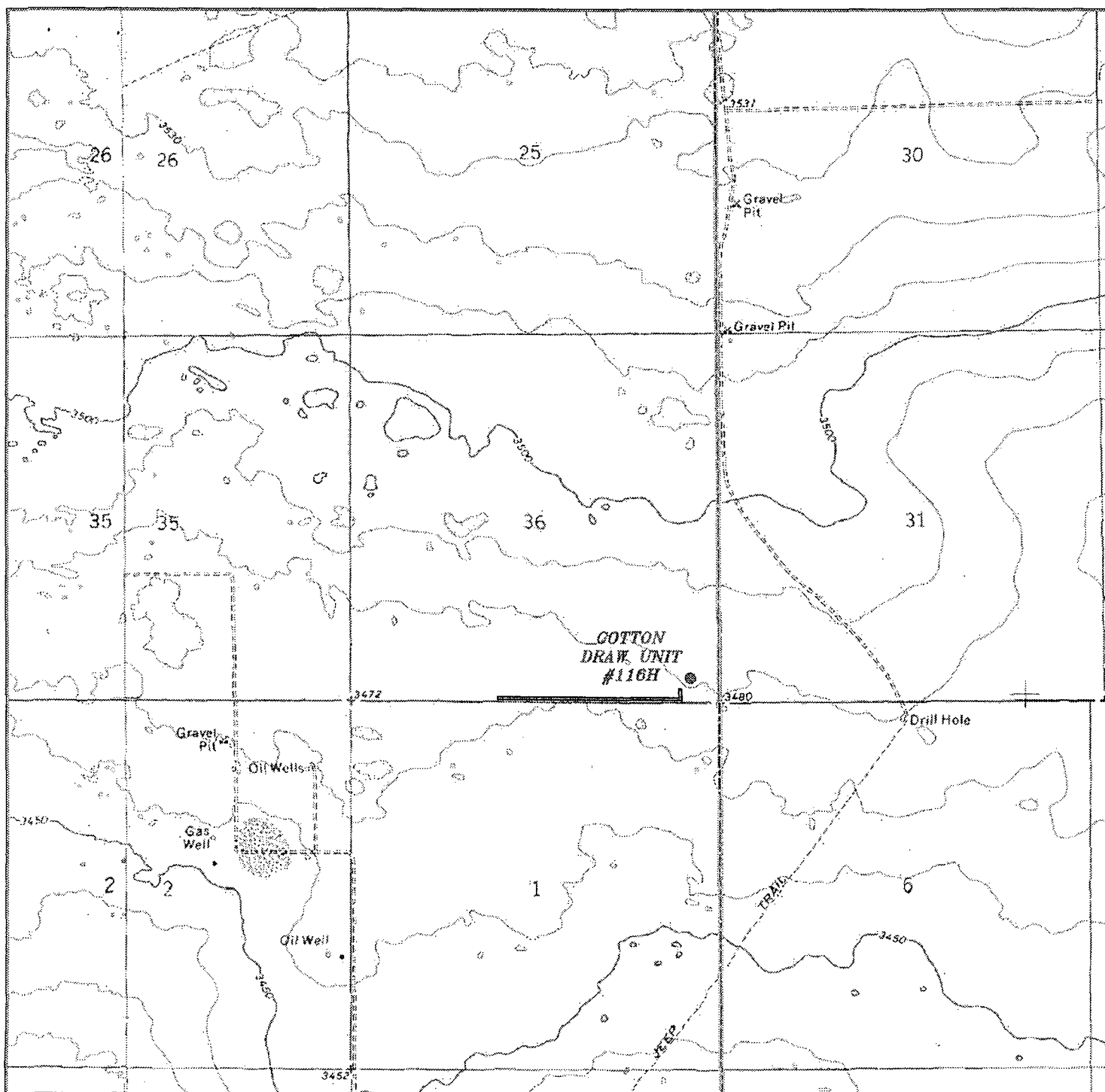
THE COTTON DRAW UNIT #116H LOCATED 330'
FROM THE SOUTH LINE AND 430' FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 22481 Drawn By: J. SMALL

Date: 03-16-2010 Disk: JMS 22481

Survey Date: 03-11-2010 Sheet 1 of 1 Sheets



COTTON DRAW UNIT #116H
 Located 330' FSL and 430' FEL
 Section 36, Township 24 South, Range 31 East,
 N.M.P.M., Eddy County, New Mexico.

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P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin surveys.com

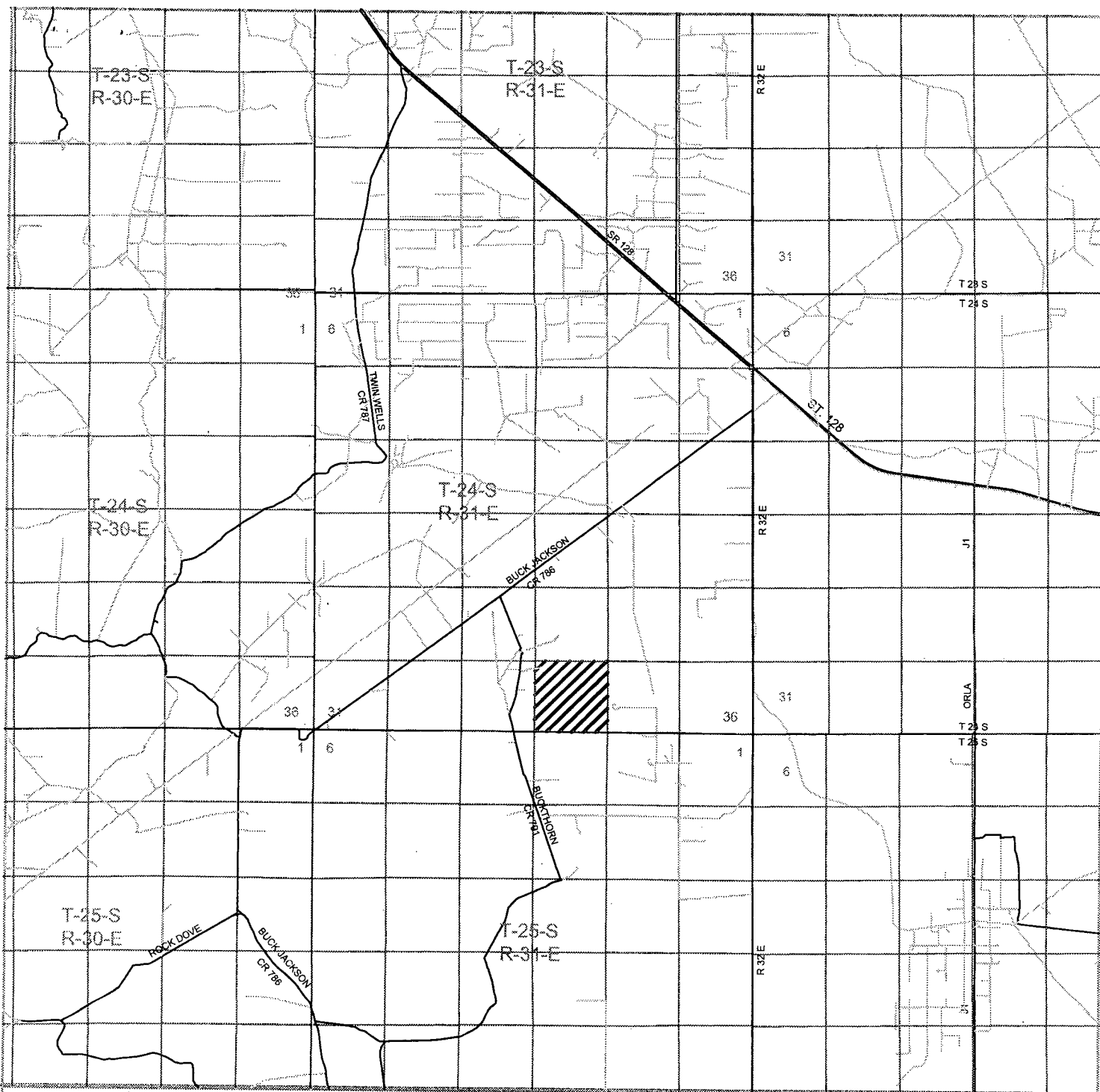
W.O. Number: JMS 22481

Survey Date: 03-11-2010

Scale: 1" = 2000'

Date: 03-16-2010

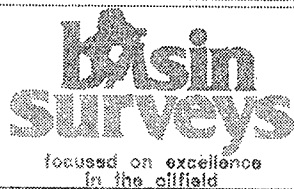
DEVON ENERGY
PRODUCTION
COMPANY, L.P.



COTTON DRAW UNIT #116H

Located 330' FSL and 430' FEL

Section 36, Township 24 South, Range 31 East,
N.M.P.M., Eddy County, New Mexico.



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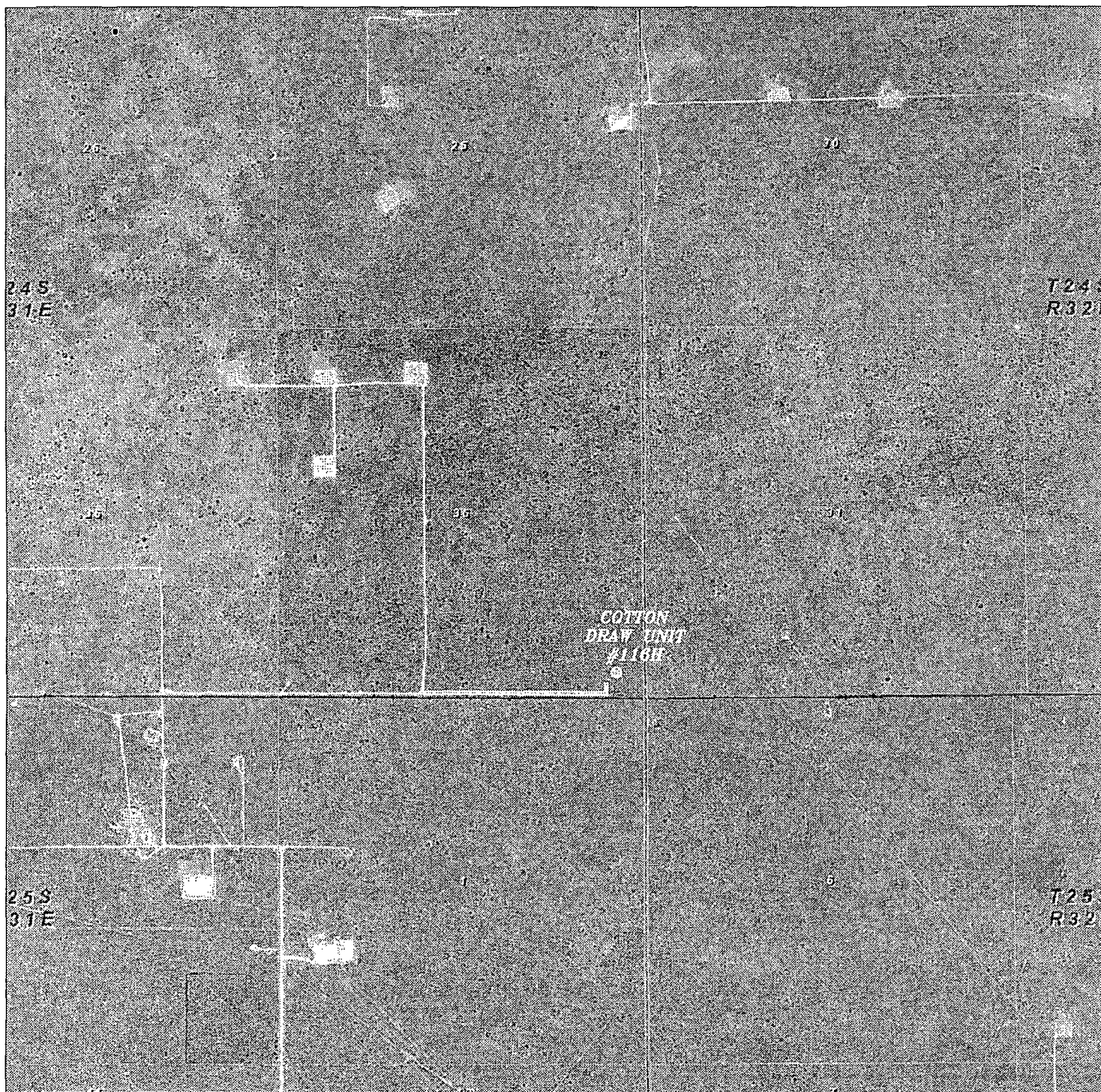
W.O. Number: JMS 22481

Survey Date: 03-11-2010

Scale: 1" = 2 Miles

Date: 03-16-2010

DEVON ENERGY
PRODUCTION
COMPANY, L.P.



COTTON DRAW UNIT #116H
Located 330' FSL and 430' FEL
Section 36, Township 24 South, Range 31 East,
N.M.P.M., Eddy County, New Mexico.

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W.O. Number: JMS 22481

Scale: 1" = 2000'

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

DEVON ENERGY
PRODUCTION
COMPANY, L.P.