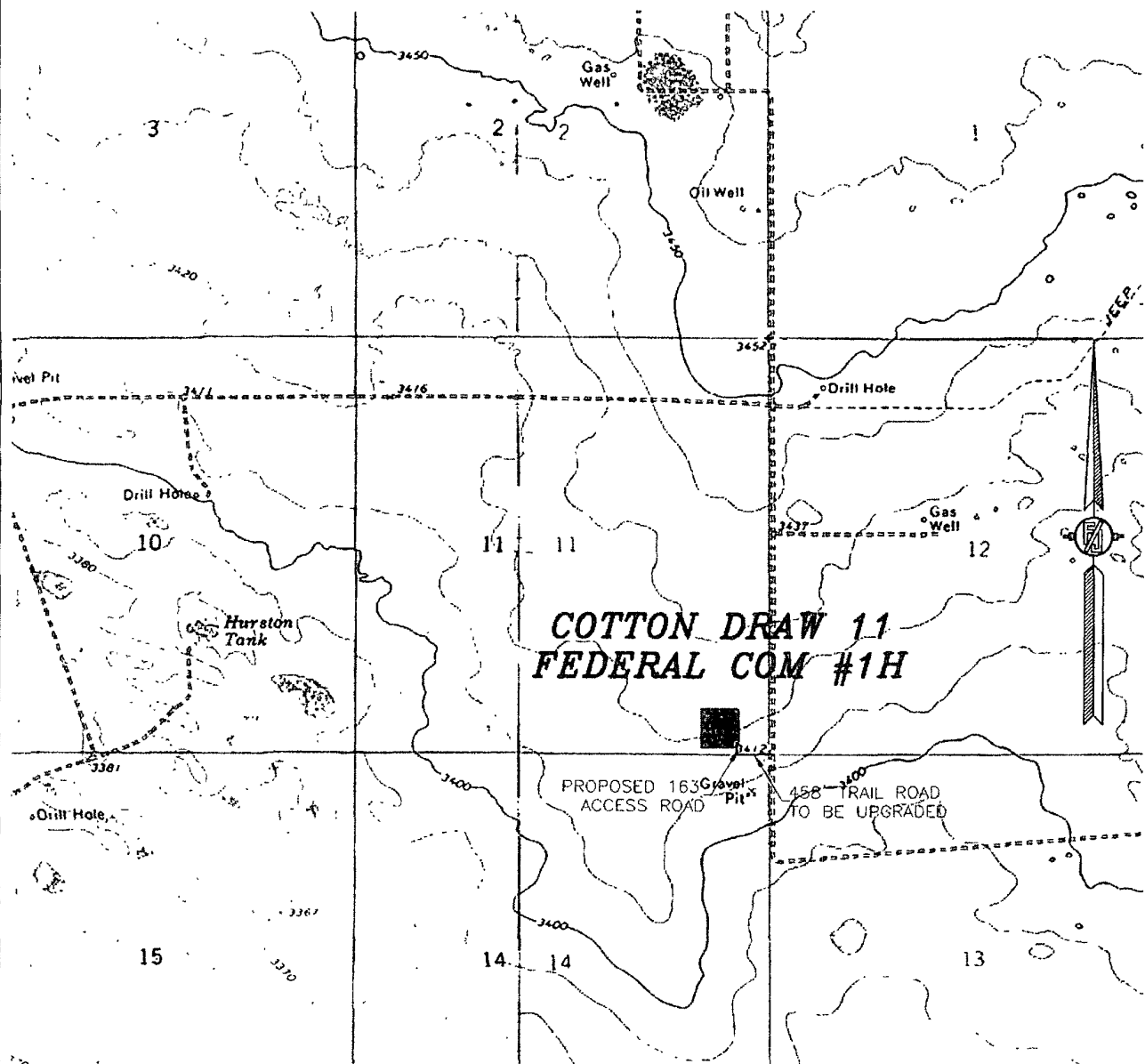


NMOC D ARTESIA

SECTION 11, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



CONTOUR INTERVAL
PADUCA BREAKS NW

NOT TO SCALE

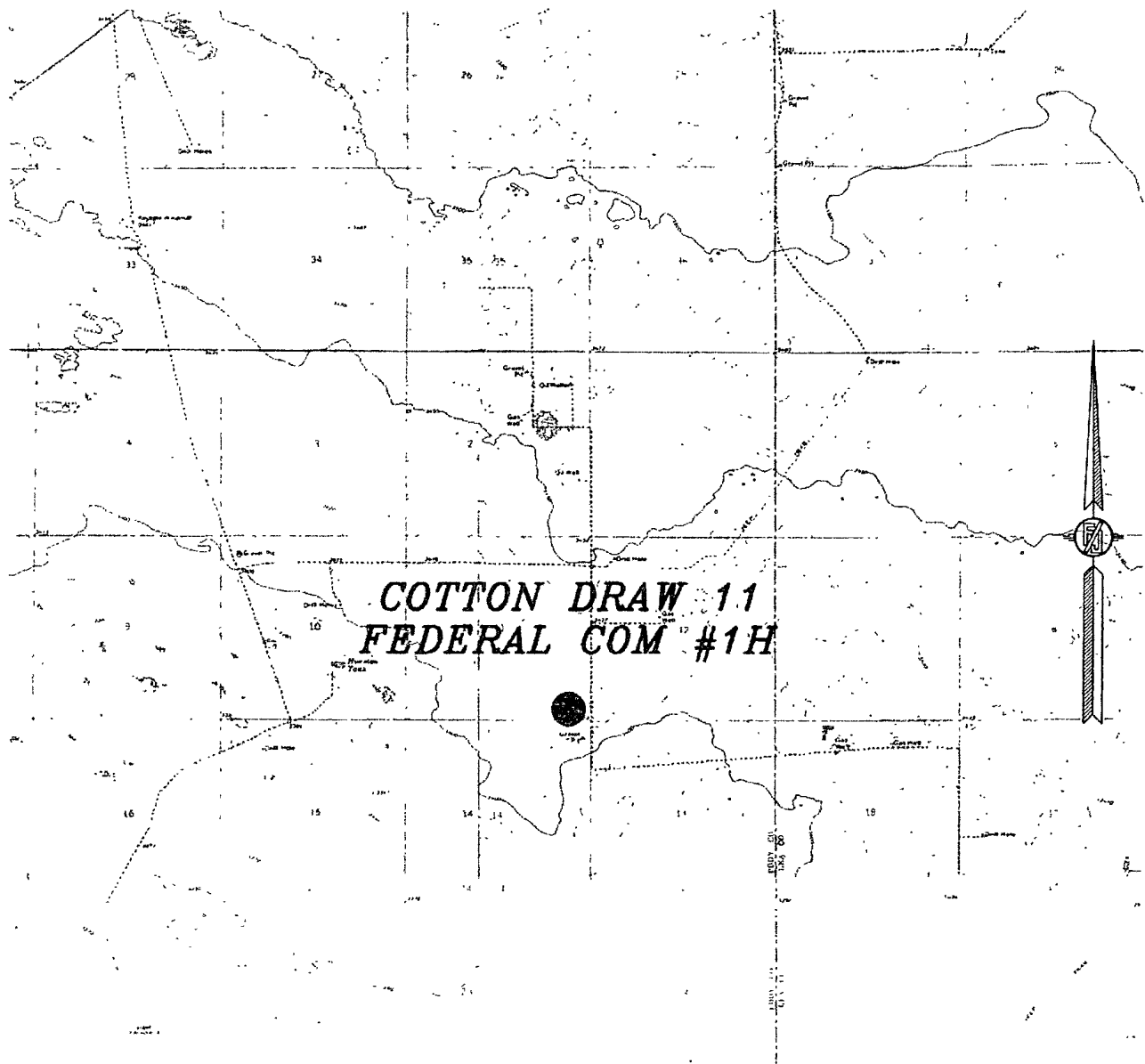
DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW 11 FEDERAL COM #1H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 11, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

APRIL 2011

SURVEY NO. 330

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 887-5830 CARLSBAD, NEW MEXICO

SECTION 11, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



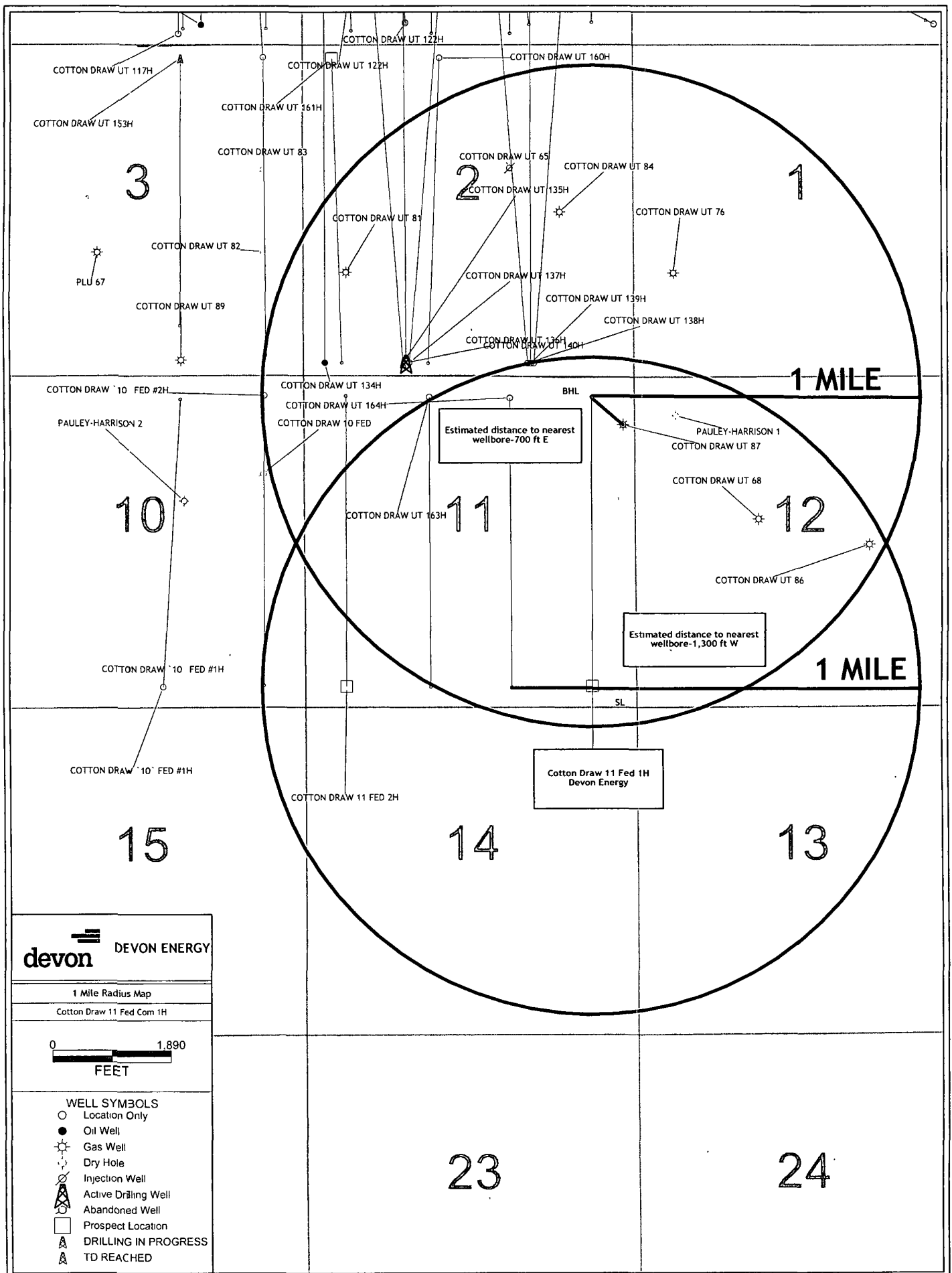
DEVON ENERGY PRODUCTION COMPANY, L.P.
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LOCATED 330 FT. FROM THE SOUTH LINE
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RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOT TO SCALE

APRIL 2011

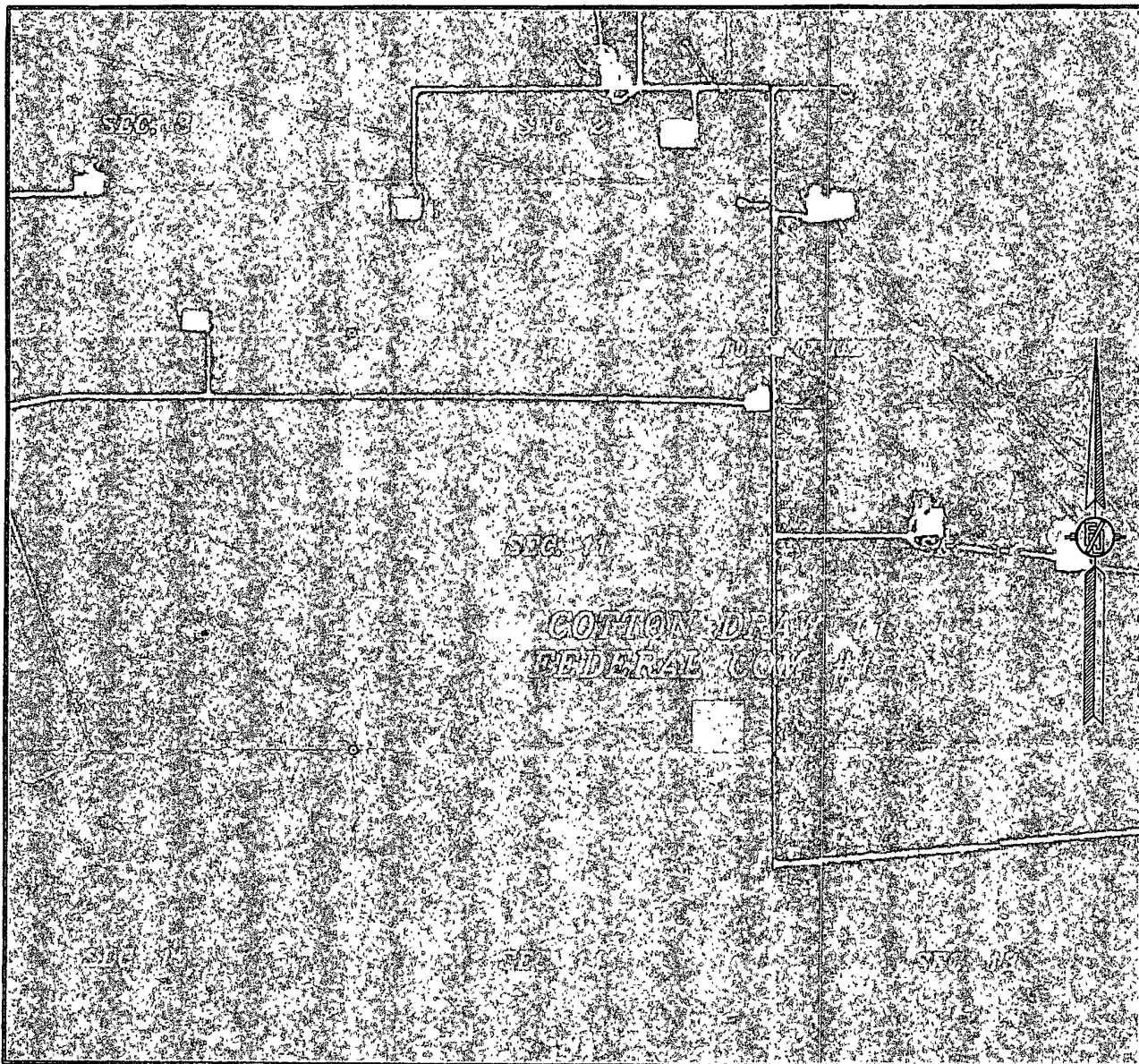
SURVEY NO. 330

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 887-5830 CARLSBAD, NEW MEXICO



SECTION 11, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
USDA - AUG, 2009

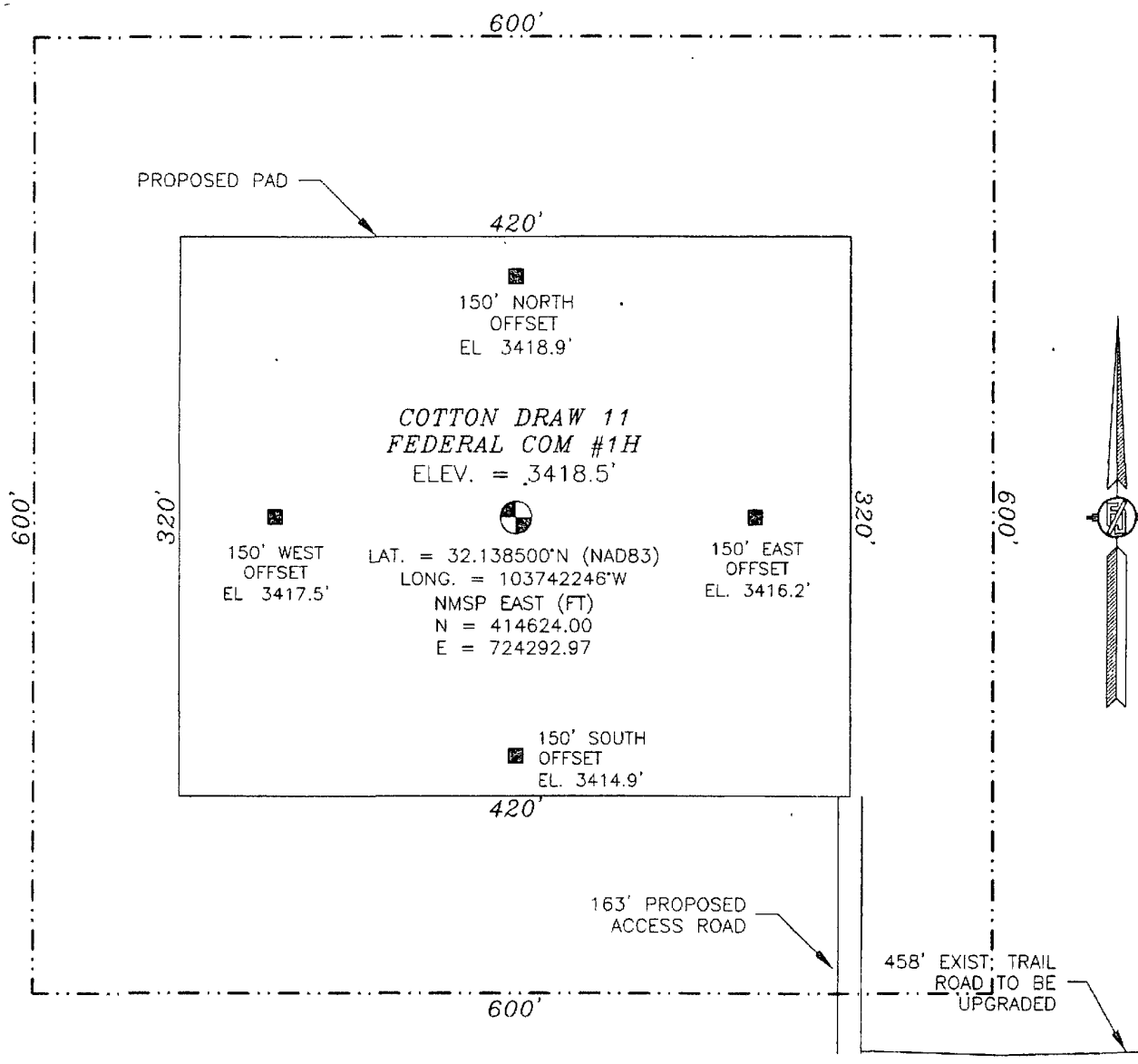
DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW 11 FEDERAL COM #1H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 11, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

APRIL 2011

SURVEY NO. 330

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 897-5830

SECTION 11 TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



0 10 50 100 200
SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM CR 786 AND CR 791, GO SOUTH ON 791 3.1 MILES, TURN LEFT AND GO EAST 1.9 MILES, TURN RIGHT AND GO SOUTH 0.9 MILES, TURN RIGHT ON TWO TRACK TRAIL ROAD AND GO WEST 600' AND LOCATION IS ON THE RIGHT (NORTH) 340'.

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW 11 FEDERAL COM #1H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 11, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

APRIL 2011

SURVEY NO. 330

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 887-5830

DRILLING PROGRAM

Devon Energy Production Company, LP

Cotton Draw 11 Fed Com 1H

Surface Location: 330' FSL & 660' FEL, Unit P, Sec 11 T25S R31E, Eddy, NM

Bottom Hole Location: 330' FNL & 660' FEL, Unit A, Sec 11 T25S R31E, Eddy, NM

1. Geologic Name of Surface Formation

a. Quaternary Alluvium

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

a. Depth to Fresh Water	300'	FW
b. Rustler	709'	Water
c. Salt	1070'	
d. Base of Salt	4167'	
e. Delaware/Lamar	4391'	Oil
f. Bell Canyon	4422'	Oil
g. Cherry Canyon	5347'	Oil
h. Brushy Canyon	6669'	Oil
i. Bone Spring	8292'	
j. Pilot Hole TD (Bone Spring)	8492'	
k. Total Depth	12,600'	Oil

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13 3/8" casing at 750' and circulating cement back to surface. Fresh water sands will be protected by setting 9 5/8" casing at 4250' and circulating cement to surface. The Delaware intervals will be isolated by setting 5 1/2" casing to total depth and circulating cement above the base of the 9 5/8" casing.

Casing Program:

	<u>Hole</u> <u>MSize</u>	<u>Hole</u> <u>Interval</u>	<u>OD Csg</u>	<u>Casing</u> <u>Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
See COA	17 1/2"	0-750'	13 3/8"	0-750'	48#	STC	H-40
	12 1/4"	750-4250'	9 5/8"	0-4250'	40#	LTC	J-55
	8 3/4"	4250-8492'	Pilot	Hole			
	8 3/4"	4250-7500'	5 1/2"	0-7500'	17#	LTC	P110
	8 3/4"	7500-12650'	5 1/2"	7500-12600'	17#	BTC	P110

Design Parameter Factors:

<u>Casing Size</u>	<u>Collapse Design</u>	<u>Burst Design</u>	<u>Tension Design</u>
	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
13 3/8"	1.90	4.4	8.94
9 5/8" 40#	1.25	1.79	3.06
5 1/2" 17#	1.92	2.73	2.07
5 1/2" 17#	1.75	2.50	6.42

NOTE REGARDING COLLAPSE DESIGN FACTOR FOR INTERMEDIATE CASING: The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. The pore pressure is estimated to be 9.3 ppg for this calculation. This results in a collapse design factor of 1.25 for the 9-5/8" 40# J-55 LTC casing at a depth of 4,250'. While running the intermediate casing, the casing string will never be completely evacuated. There is no potential for the intermediate casing to be used as a production string.

Cement Program: (Cement volumes based on at least 25% excess)

13 3/8"	Lead: 485 sx Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water 13 5 ppg Yield: 1.75 cf/sk TOC @ Surface Tail: 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56 3% Fresh Water 14.8 ppg Yield: 1.35 cf/sk
9 5/8" Intermediate	Lead: 1180 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 0.25% bwoc FL-52A + 107.7% Fresh Water 12.5 ppg Yield: 2.04 cf/sk TOC @ surface Tail: 300 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 65.5% Fresh Water 13 8 ppg Yield: 1.37 cf/sk
5 1/2" Production	1st Stage Lead: 430 sacks (35:65) Poz (Fly Ash):Class H Cement + 3% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 6% bwoc Bentonite + 0.7% bwoc FL-52A + 102.5% Fresh Water 12.5 ppg Yield: 2.01 cf/sk Tail: 1275 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.6% bwoc Sodium Metasilicate + 0.4% bwoc FL-52A + 57 3% Fresh Water 14.2 ppg Yield: 1.28 cf/sk TOC @ 6,000' DV TOOL at 6,000' 2nd Stage Lead: 280 sacks Class C Cement + 0.75% bwoc R-3 + 0.125 lbs/sack Cello Flake + 3% bwoc Sodium Metasilicate + 157% Fresh Water 11.4 ppg Yield: 2.88 cf/sk TOC @ 3,750' Tail: 150 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 65.4% Fresh Water 13 8 ppg Yield: 1.37cf/sk
8 3/4" Pilot Hole <i>See TOA</i>	Plug 1: 400 sacks Class H Cement 15.6 ppg, yield 1.18 cf/sk TOC 7650' <i>(7650' - 8492')</i>

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach approximately 500' above the 9 5/8" casing shoe. All casing is new and API approved.

Positive standoff centralizers will be utilized for the production string every other joint of casing from 100' MD above KOP or at the legal footage setback, whichever is the deeper MD, up to TOC.

Pressure Control Equipment BOP DESIGN:

The BOP system used to drill the intermediate hole will consist of a 13 5/8" 3M double Ram, and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the intermediate casing shoe.

Pipe rams will be operated and checked each 24 hour period and blind rams tested each time the drill pipe is out of the hole. These tests will be logged in the daily log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP. Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns. See attached.

Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0- 750 780'	8.4-9.0	30-34	NC	FW
780 4250'	9.8-10.0	28-32	NC	Brine
4250-12,650'	8.6-9.3	28-32	NC	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times.

3. Auxiliary Well Control and Monitoring Equipment:
 - a. A Kelly cock will be in the drill string at all times.
 - b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times
 - c. Hydrogen Sulfide detection equipment will be in operation after drilling out the 20" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 20" shoe until total depth is reached.
4. **Logging, Coring, and Testing Program:** *See COA*
 - a. Drill stem tests will be based on geological sample shows.
 - b. If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.

- c. The open hole electrical logging program will be:
- i. Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron – Z Density log with Gamma Ray and Caliper.
 - ii. Total Depth to Surface Compensated Neutron with Gamma Ray
 - iii. No coring program is planned
 - iv. Additional testing will be initiated subsequent to setting the 5 ½” production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

5. Potential Hazards:

- a. No abnormal pressures or temperatures are expected. There is no known presence of H₂S in this area. If H₂S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6 No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4900 psi and Estimated BHT 145°. No H₂S is anticipated to be encountered.

6. Anticipated Starting Date and Duration of Operations:

- a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.



Weatherford[®]

Drilling Services

Proposal



devon

COTTON DRAW 11 FED COM #1H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

AUGUST 5, 2011

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

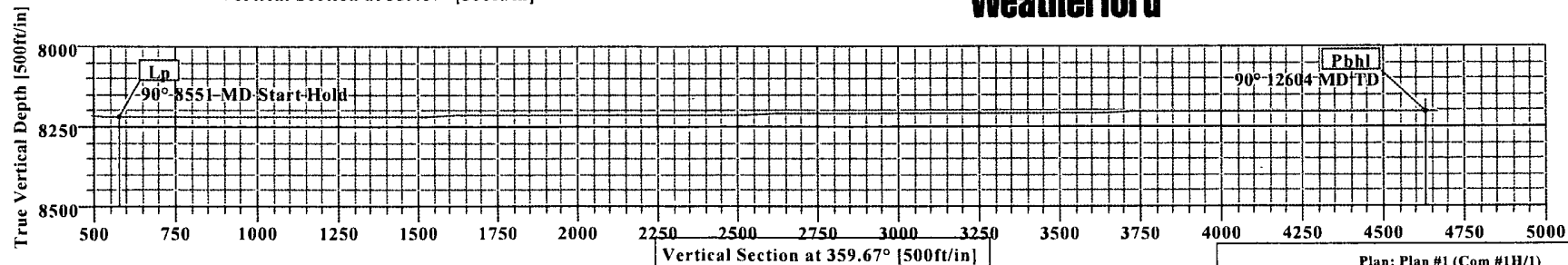
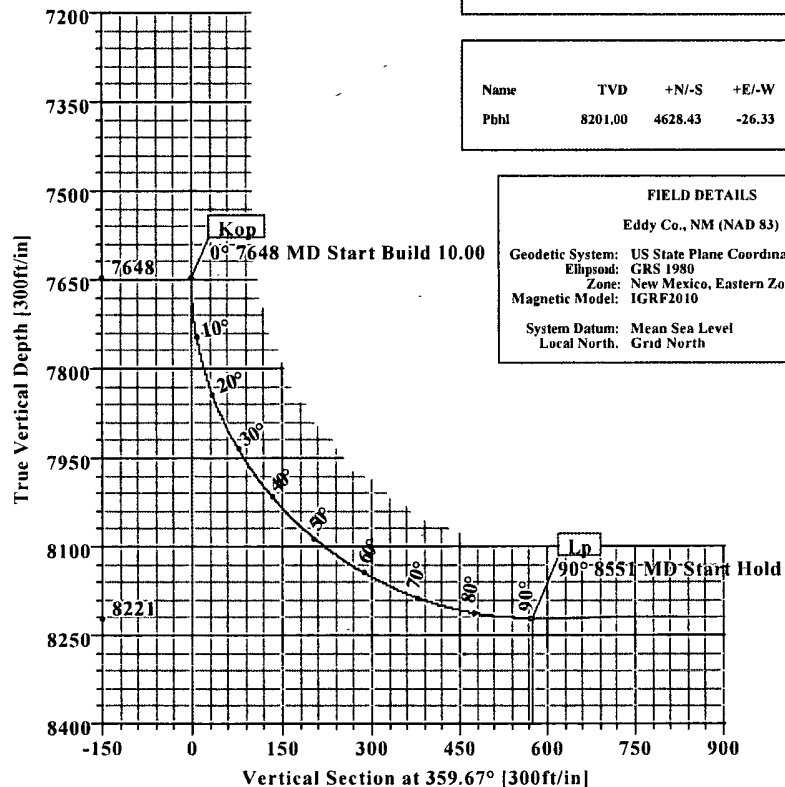
+1.432.561.8895 Fax

www.weatherford.com



Cotton Draw 11 Fed Com #1H
Eddy Co., New Mexico

KB ELEV: 3436
GL ELEV: 3418



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.67	0.00	0.00	0.00	0.00	0.00	0.00	
2	7648.05	0.00	359.67	7648.05	0.00	0.00	0.00	0.00	0.00	
3	8550.88	90.28	359.67	8221.00	575.78	-3.28	10.00	359.67	575.79	
4	12603.65	90.28	359.67	8201.00	4628.43	-26.33	0.00	0.00	4628.50	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Com #1H	0.00	0.00	414624.00	724292.97	32°08'18.592N	103°44'32.103W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Pbhl	8201.00	4628.43	-26.33	419252.43	724266.64	32°09'04.395N	103°44'32.113W	Point

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Cotton Draw 11 Fed Com #1H

Site Centre Northing: 414624.00
Easting: 724292.97
Ground Level: 3418.00
Positional Uncertainty: 0.00
Convergence: 0.31



Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.25°

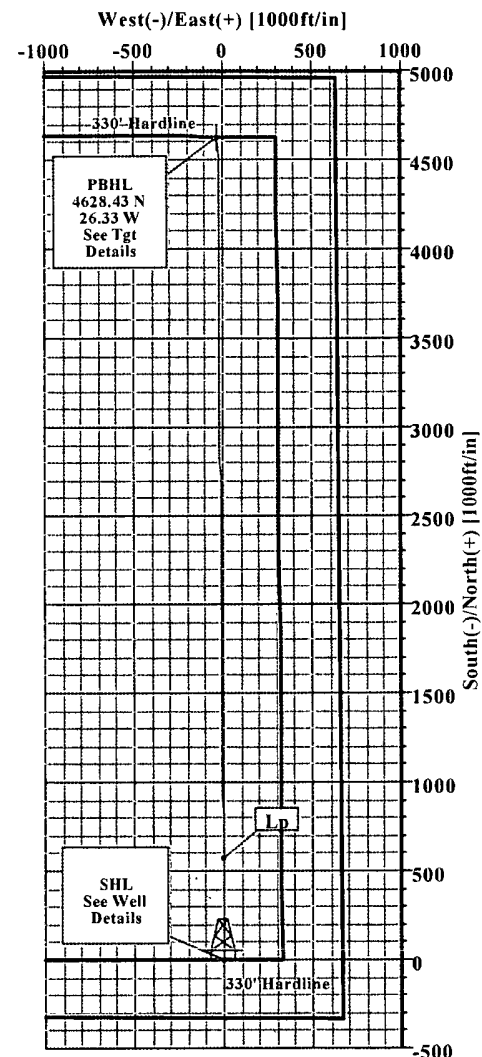
Magnetic Field
Strength: 48496nT
Dip Angle: 60.06°
Date: 3/15/2012
Model: IGRF2010
Total Correction to Grid North: 7.25°

LEGEND

1
Plan #1



Weatherford



Plan: Plan #1 (Com #1H/1)

Created By: Russell W. Joyner

Date: 8/5/2011



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Devon Energy		Date: 8/5/2011	Time: 14:07:18	Page: 1						
Field: Eddy Co., NM (NAD 83)		Co-ordinate(NE) Reference: Well. Com #1H, Grid North								
Site: Cotton Draw 11 Fed Com #1H		Vertical (TVD) Reference: SITE 3436 0								
Well: Com #1H		Section (VS) Reference: Well (0 00N,0.00E,359.67Azi)								
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase								
Plan: Plan #1		Date Composed: 8/5/2011								
Principal: Yes		Version: 1								
		Tied-to: From Surface								
Field: Eddy Co., NM (NAD 83)										
Map System: US State Plane Coordinate System 1983		Map Zone: New Mexico, Eastern Zone								
Geo Datum: GRS 1980		Coordinate System: Well Centre								
Sys Datum: Mean Sea Level		Geomagnetic Model: IGRF2010								
Site: Cotton Draw 11 Fed Com #1H										
Site Position:		Northing: 414624 00 ft	Latitude: 32 8 18 592 N							
From: Map		Easting: 724292 97 ft	Longitude: 103 44 32.103 W							
Position Uncertainty: 0.00 ft			North Reference: Grid							
Ground Level: 3418 00 ft			Grid Convergence: 0.31 deg							
Well: Com #1H Slot Name:										
Well Position:		Northing: 414624 00 ft	Latitude: 32 8 18 592 N							
	+N/-S 0.00 ft	Easting : 724292 97 ft	Longitude: 103 44 32.103 W							
Position Uncertainty: 0.00 ft										
Wellpath: 1										
Current Datum: SITE		Height 3436.00 ft	Drilled From: Surface							
Magnetic Data: 3/15/2012			Tie-on Depth: 0.00 ft							
Field Strength: 48496 nT			Above System Datum: Mean Sea Level							
Vertical Section: Depth From (TVD)		+N/-S ft	Declination: 7 57 deg							
	ft	ft	Mag Dip Angle: 60 06 deg							
			+E/-W ft							
			Direction deg							
	8201 00	0.00	0.00 359.67							
Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0 00	0 00	359 67	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
7648.05	0 00	359 67	7648.05	0 00	0 00	0 00	0 00	0 00	0 00	
8550 88	90 28	359 67	8221.00	575 78	-3 28	10.00	10 00	0 00	359 67	
12603.65	90 28	359 67	8201.00	4628.43	-26.33	0 00	0 00	0 00	0 00	Pbhl
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
7600 00	0 00	359.67	7600 00	0 00	0 00	0 00	0 00	414624.00	724292.97	
7648.05	0 00	359 67	7648.05	0 00	0 00	0 00	0 00	414624.00	724292.97	Kop
7700.00	5 20	359.67	7699.93	2 35	-0 01	2.35	10 00	414626.35	724292.96	
7800.00	15 20	359 67	7798 23	20 03	-0 11	20 03	10 00	414644.03	724292.86	
7900 00	25 20	359 67	7891 96	54.51	-0.31	54 51	10.00	414678 51	724292.66	
8000 00	35.20	359.67	7978.28	104.74	-0.60	104.74	10 00	414728 74	724292.37	
8100 00	45.20	359.67	8054 57	169.19	-0 96	169.20	10 00	414793 19	724292 01	
8200.00	55.20	359 67	8118 51	245.92	-1 40	245.92	10 00	414869 92	724291.57	
8300 00	65.20	359 67	8168 15	332 58	-1 89	332 58	10.00	414956 58	724291 08	
8400.00	75 20	359 67	8201 99	426.54	-2 43	426 55	10 00	415050 54	724290 54	
8500.00	85 20	359.67	8218 99	524 96	-2 99	524 96	10 00	415148 96	724289 98	
8550 88	90 28	359.67	8221 00	575.78	-3 28	575.79	10 00	415199 78	724289 69	Lp
8600.00	90 28	359.67	8220 76	624.90	-3.55	624 91	0 00	415248.90	724289 42	
8700 00	90.28	359 67	8220 26	724.89	-4 12	724 91	0 00	415348.89	724288 85	
8800 00	90.28	359 67	8219 77	824 89	-4.69	824.90	0 00	415448.89	724288 28	
8900 00	90 28	359.67	8219.28	924 89	-5 26	924 90	0 00	415548 89	724287 71	
9000 00	90.28	359.67	8218.78	1024.89	-5 83	1024 90	0 00	415648 89	724287.14	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw 11 Fed Com #1H
Well: Com #1H
Wellpath: 1

Date: 8/5/2011 Time: 14:07:18 Page: 2
Co-ordinate(NE) Reference: Well. Com #1H, Grid North
Vertical (TVD) Reference: SITE 3436 0
Section (VS) Reference: Well (0.00N,0.00E,359.67Azi)
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
9100.00	90.28	359.67	8218.29	1124.88	-6.40	1124.90	0.00	415748.88	724286.57	
9200.00	90.28	359.67	8217.80	1224.88	-6.97	1224.90	0.00	415848.88	724286.00	
9300.00	90.28	359.67	8217.30	1324.88	-7.54	1324.90	0.00	415948.88	724285.43	
9400.00	90.28	359.67	8216.81	1424.87	-8.11	1424.90	0.00	416048.87	724284.86	
9500.00	90.28	359.67	8216.32	1524.87	-8.67	1524.90	0.00	416148.87	724284.30	
9600.00	90.28	359.67	8215.82	1624.87	-9.24	1624.90	0.00	416248.87	724283.73	
9700.00	90.28	359.67	8215.33	1724.87	-9.81	1724.89	0.00	416348.87	724283.16	
9800.00	90.28	359.67	8214.84	1824.86	-10.38	1824.89	0.00	416448.86	724282.59	
9900.00	90.28	359.67	8214.34	1924.86	-10.95	1924.89	0.00	416548.86	724282.02	
10000.00	90.28	359.67	8213.85	2024.86	-11.52	2024.89	0.00	416648.86	724281.45	
10100.00	90.28	359.67	8213.36	2124.85	-12.09	2124.89	0.00	416748.85	724280.88	
10200.00	90.28	359.67	8212.86	2224.85	-12.66	2224.89	0.00	416848.85	724280.31	
10300.00	90.28	359.67	8212.37	2324.85	-13.23	2324.89	0.00	416948.85	724279.74	
10400.00	90.28	359.67	8211.88	2424.85	-13.79	2424.89	0.00	417048.85	724279.18	
10500.00	90.28	359.67	8211.38	2524.84	-14.36	2524.88	0.00	417148.84	724278.61	
10600.00	90.28	359.67	8210.89	2624.84	-14.93	2624.88	0.00	417248.84	724278.04	
10700.00	90.28	359.67	8210.39	2724.84	-15.50	2724.88	0.00	417348.84	724277.47	
10800.00	90.28	359.67	8209.90	2824.83	-16.07	2824.88	0.00	417448.83	724276.90	
10900.00	90.28	359.67	8209.41	2924.83	-16.64	2924.88	0.00	417548.83	724276.33	
11000.00	90.28	359.67	8208.91	3024.83	-17.21	3024.88	0.00	417648.83	724275.76	
11100.00	90.28	359.67	8208.42	3124.83	-17.78	3124.88	0.00	417748.83	724275.19	
11200.00	90.28	359.67	8207.93	3224.82	-18.35	3224.88	0.00	417848.82	724274.62	
11300.00	90.28	359.67	8207.43	3324.82	-18.91	3324.87	0.00	417948.82	724274.06	
11400.00	90.28	359.67	8206.94	3424.82	-19.48	3424.87	0.00	418048.82	724273.49	
11500.00	90.28	359.67	8206.45	3524.81	-20.05	3524.87	0.00	418148.81	724272.92	
11600.00	90.28	359.67	8205.95	3624.81	-20.62	3624.87	0.00	418248.81	724272.35	
11700.00	90.28	359.67	8205.46	3724.81	-21.19	3724.87	0.00	418348.81	724271.78	
11800.00	90.28	359.67	8204.97	3824.81	-21.76	3824.87	0.00	418448.81	724271.21	
11900.00	90.28	359.67	8204.47	3924.80	-22.33	3924.87	0.00	418548.80	724270.64	
12000.00	90.28	359.67	8203.98	4024.80	-22.90	4024.87	0.00	418648.80	724270.07	
12100.00	90.28	359.67	8203.49	4124.80	-23.46	4124.86	0.00	418748.80	724269.51	
12200.00	90.28	359.67	8202.99	4224.79	-24.03	4224.86	0.00	418848.79	724268.94	
12300.00	90.28	359.67	8202.50	4324.79	-24.60	4324.86	0.00	418948.79	724268.37	
12400.00	90.28	359.67	8202.01	4424.79	-25.17	4424.86	0.00	419048.79	724267.80	
12500.00	90.28	359.67	8201.51	4524.79	-25.74	4524.86	0.00	419148.79	724267.23	
12600.00	90.28	359.67	8201.02	4624.78	-26.31	4624.86	0.00	419248.78	724266.66	
12603.65	90.28	359.67	8201.00	4628.43	-26.33	4628.50	0.00	419252.43	724266.64	Pbhl

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
Pbhl			8201.00	4628.43	-26.33	419252.43	724266.64	32	9	4.395 N	103	.44	32.113 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Devon Energy	Date: 8/5/2011	Time: 14.07:18	Page: 3
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well Com #1H, Grid North		
Site: Cotton Draw 11 Fed Com #1H	Vertical (TVD) Reference: SITE 3436 0		
Well: Com #1H	Section (VS) Reference: Well (0.00N,0.00E,359.67Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Annotation

MD ft	TVD ft	
7648.05	7648.05	Kop
8550.88	8221.00	Lp
12603.64	8201.00	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

GeoDec v5.03

Report Date: August 05, 2011
Job Number: _____
Customer: Devon Energy
Well Name: Cotton Draw 11 Fed Com #1H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM
Block: _____
Engineer: RWJ

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 414624.000 USFT	Latitude 32.1385000 DEG
East/West 724292.970 USFT	Longitude -103.7422460 DEG
Grid Convergence: .31°	
Total Correction: +7.26°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.13850° N	32° 8 min 18.600 sec
Longitude =	103.74225° W	103° 44 min 32.086 sec

Magnetic Declination =	7.57°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6585
Local Field Strength =	48492 nT	Magnetic Vector X = 23992 nT
Magnetic Dip =	60.06°	Magnetic Vector Y = 3187 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42021 nT
Spud Date =	Mar 15, 2012	Magnetic Vector H = 24202 nT

Signed: _____

Date: _____