

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
511 S. First St., Artesia, NM 88210
Phone: (505) 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

APR 05 2013

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

RECEIVED

¹ API Number 30-025-41094		² Pool Code 43155-97930		³ Pool Name WC 025606 ; BONE SPRING	
⁴ Property Code 39319		⁵ Property Name IRONHOUSE "19" STATE COM			⁶ Well Number 2H
⁷ OGRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3931.8

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	19	18 S	35 E		410	SOUTH	630	EAST	LEA

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
A	19	18 S	35 E		330	NORTH	660	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160			

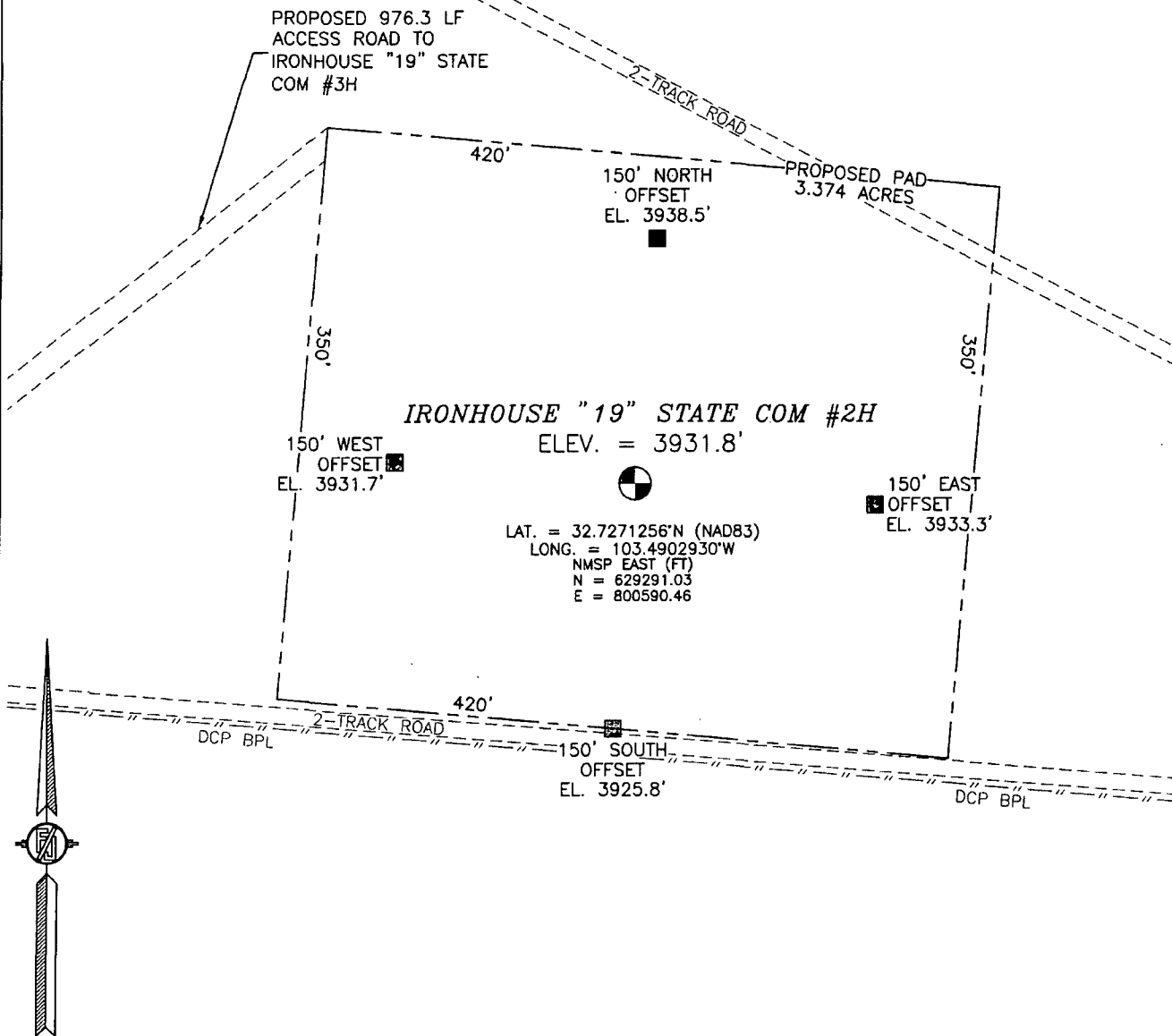
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

S89°50'55"W 2618.37 FT NW CORNER SEC. 19 LAT. = 32.7406058°N LONG. = 103.5052878°W NMSP EAST (FT) N = 634159.14 E = 795940.79 LOT 1 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) IN DEGREES MINUTES DECIMAL SECONDS FORMAT. BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST (NAD83) COORDINATES MODIFIED TO SURFACE. LOT 2 LOT 3 LOT 4 SW CORNER SEC. 19 LAT. = 32.7260645°N LONG. = 103.5052646°W NMSP EAST (FT) N = 628868.69 E = 795989.28 N89°50'44"E 2617.36 FT		S89°50'55"W 2618.37 FT NE CORNER SEC. 19 LAT. = 32.7405301°N LONG. = 103.4882576°W NMSP EAST (FT) N = 634172.96 E = 801177.51 660' 330' BOTTOM OF HOLE BOTTOM OF HOLE LAT. = 32.7396330°N LONG. = 103.4904051°W NMSP EAST (FT) N = 633841.29 E = 800519.79 IRONHOUSE "19" STATE COM #2H ELEV. = 3931.8' LAT. = 32.7271256°N (NAD83) LONG. = 103.4902930°W NMSP EAST (FT) N = 629291.03 E = 800590.46 SURFACE LOCATION PP: 175 FSL & 1760 FEL SE CORNER SEC. 19 LAT. = 32.7259897°N LONG. = 103.4882437°W NMSP EAST (FT) N = 628882.80 E = 801223.98 630' N89°50'44"E 2617.36 FT	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 released 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, hereinafter entered by the division. <i>[Signature]</i> 4/4/2013 Signature Date David H. Cook Regulatory Specialist Printed Name david.cook@dmn.com 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. MARCH 21, 2013 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: 114141 MONTE E. JARAMILLO, PLS 12797 SURVEY NO. 1579A
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APR 08 2013

SECTION 19, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) IN DEGREES, MINUTES AND DECIMAL SECONDS FORMAT. BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST (NAD83) COORDINATES MODIFIED TO SURFACE.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 529 AND STATE HIGHWAY 238 GO WEST ON STATE HIGHWAY 529 APPROX. 8.0 MILES. GO NORTHEAST ON CALICHE LEASE ROAD (200'± EAST OF MILE POST 23) FOR APPROX. 0.6 OF A MILE. CONTINUE EAST APPROX. 0.25 MILES. CONTINUE NORTHEAST APPROX. 0.6 OF A MILE. CONTINUE NORTHEAST APPROX. 0.7 OF A MILE. CONTINUE NORTHEAST APPROX. 0.4 OF A MILE TO IRONHOUSE "19" STATE COM #1H WELL. FROM SOUTHEAST CORNER OF PAD GO EAST APPROX. 1215 FT. TO IRONHOUSE "19" STATE COM #3H PAD. FROM SOUTHEAST CORNER PAD GO NORTHEAST APPROX. 957 FT. TO NORTHWEST CORNER PAD FOR IRONHOUSE "19" STATE COM #2H. LOCATION IS APPROX. 283 FT. SOUTHEAST.

DEVON ENERGY PRODUCTION COMPANY, L.P.
IRONHOUSE "19" STATE COM #2H
LOCATED 410 FT. FROM THE SOUTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 19, TOWNSHIP 18 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

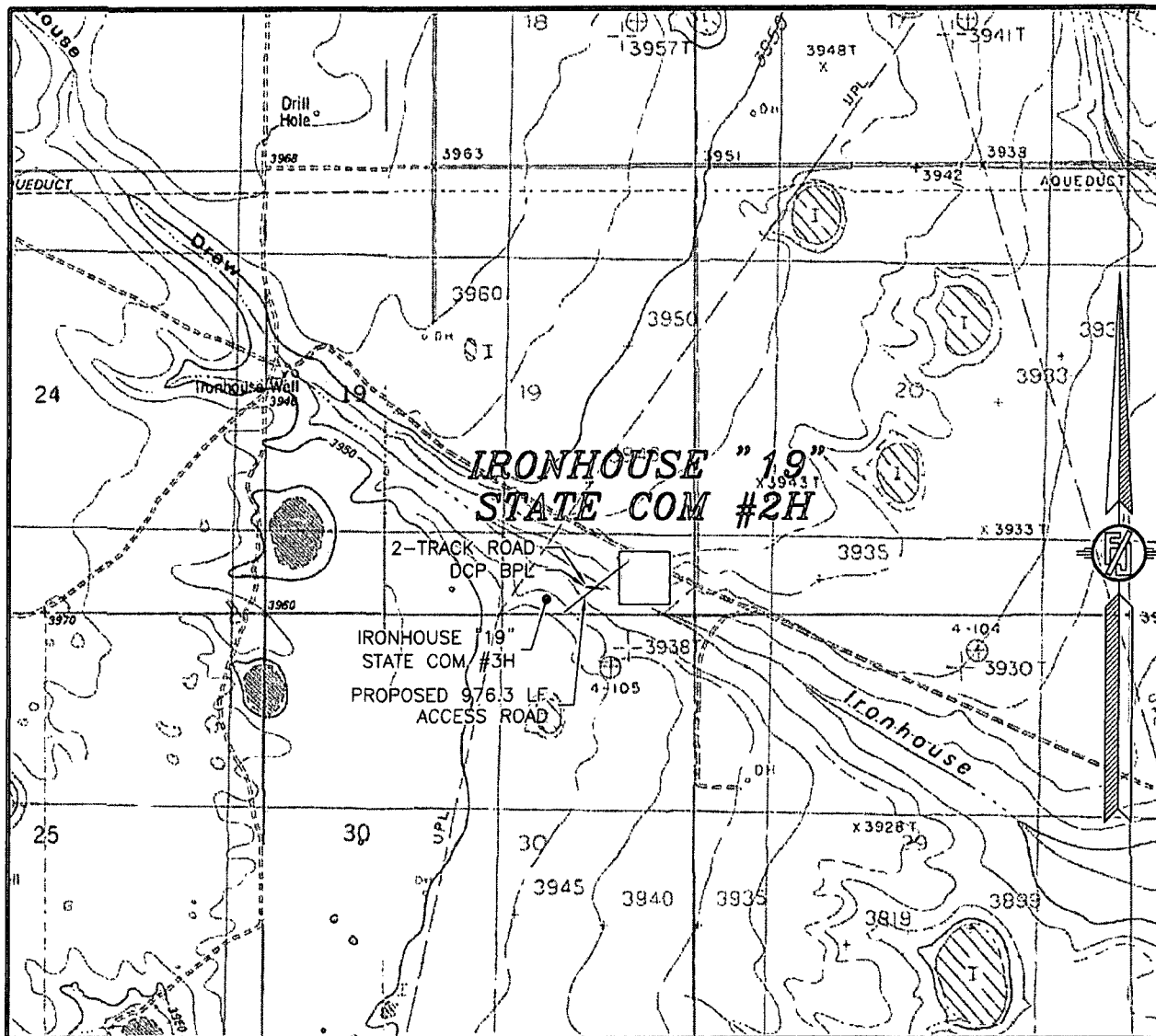
MARCH 21, 2013

SURVEY NO. 1579A

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

CARLSBAD, NEW MEXICO

19, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
IRONHOUSE DRAW

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
IRONHOUSE "19" STATE COM #2H
LOCATED 410 FT. FROM THE SOUTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 19, TOWNSHIP 18 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

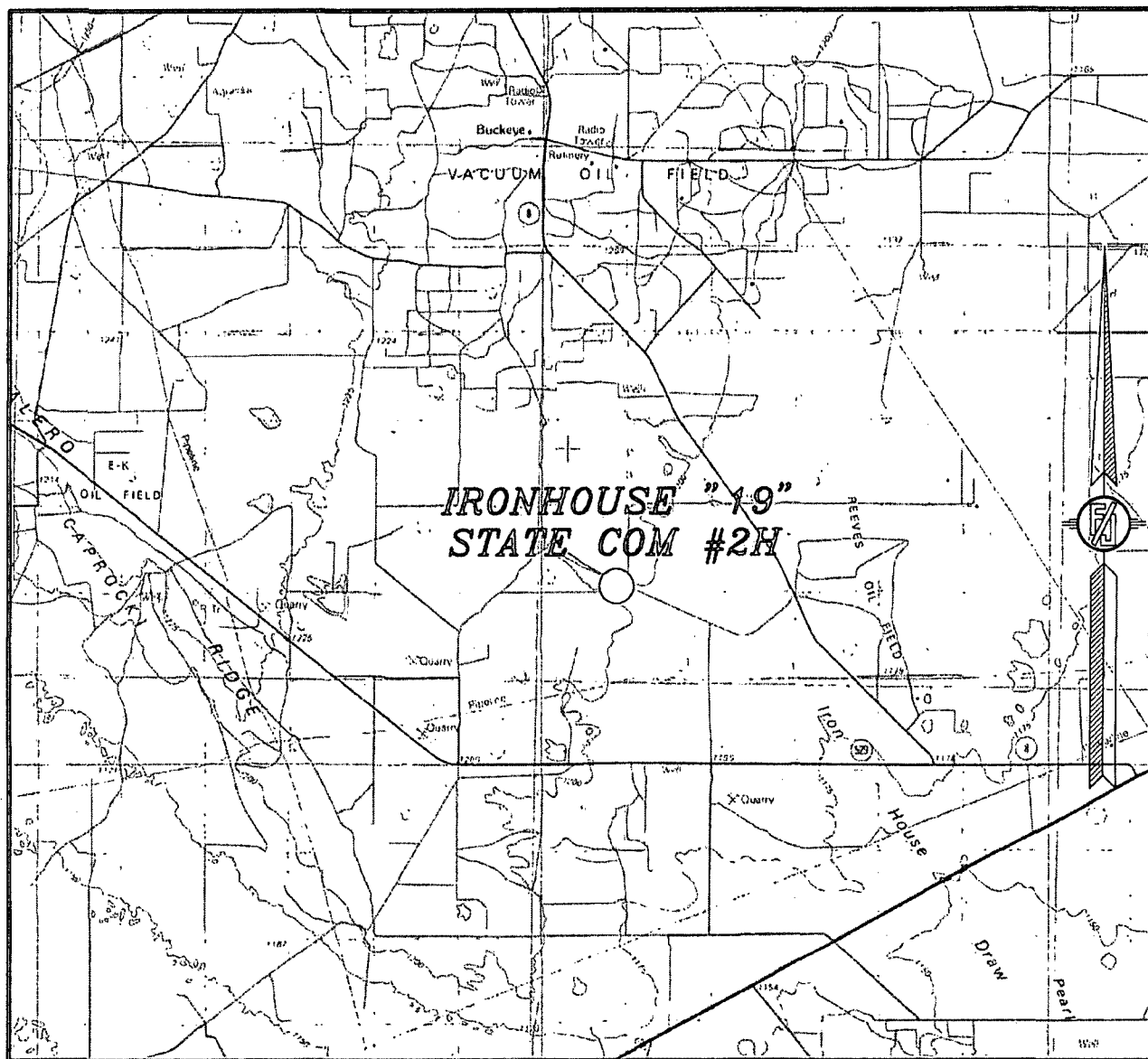
MARCH 21, 2013

SURVEY NO. 1579A

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

301 SOUTH CANAL
(575) 234-3341

SECTION 19, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

IRONHOUSE "19" STATE COM #2H

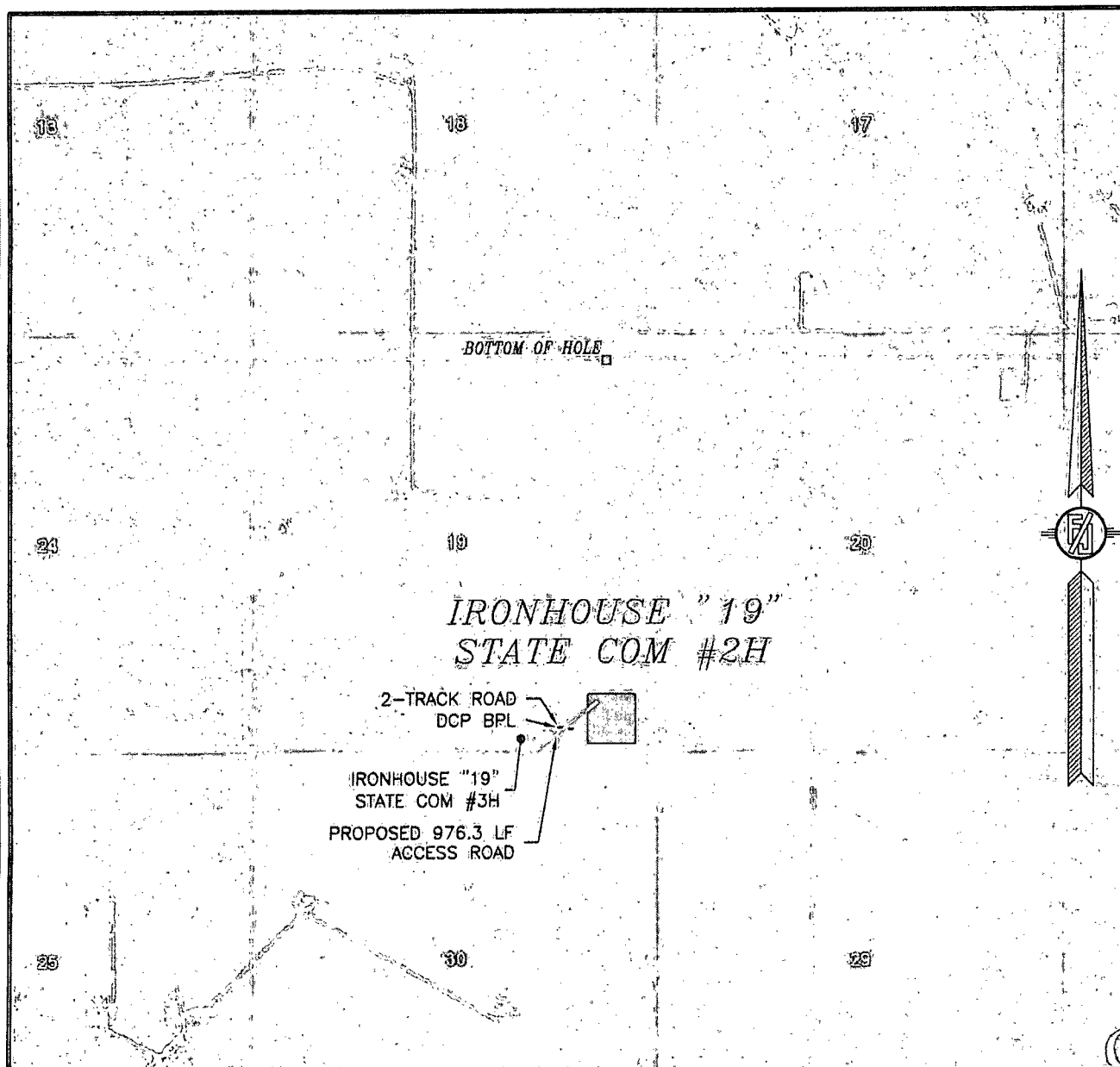
LOCATED 410 FT. FROM THE SOUTH LINE
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LEA COUNTY, STATE OF NEW MEXICO

MARCH 21, 2013

SURVEY NO. 1579A

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

SECTION 19, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MARCH 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.

IRONHOUSE "19" STATE COM #2H

LOCATED 410 FT. FROM THE SOUTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 19, TOWNSHIP 18 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 21, 2013

SURVEY NO. 1579A

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



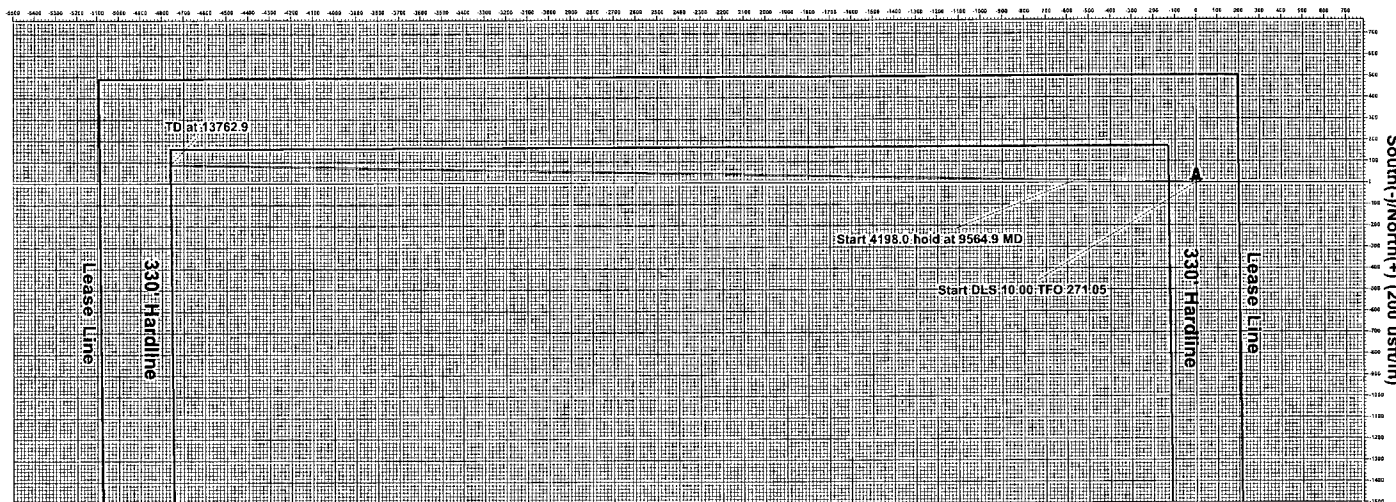
PROJECT DETAILS: Lea County (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid



A Schlumberger Company

Project: Lea County (NAD83)
Site: Ironhouse 20 State
Well: #2H
Wellbore: OH
Plan: Plan #1 (#2H/OH)

West(-)/East(+) (200 usft/in)



WELL DETAILS: #2H

Ground Elevation: 3925.3
RKB Elevation: KB = 19 @ 3944.3usft (McVay 8)
Rig Name: McVay 8

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	633687.000	806269.600	32.739082	-103.471711	

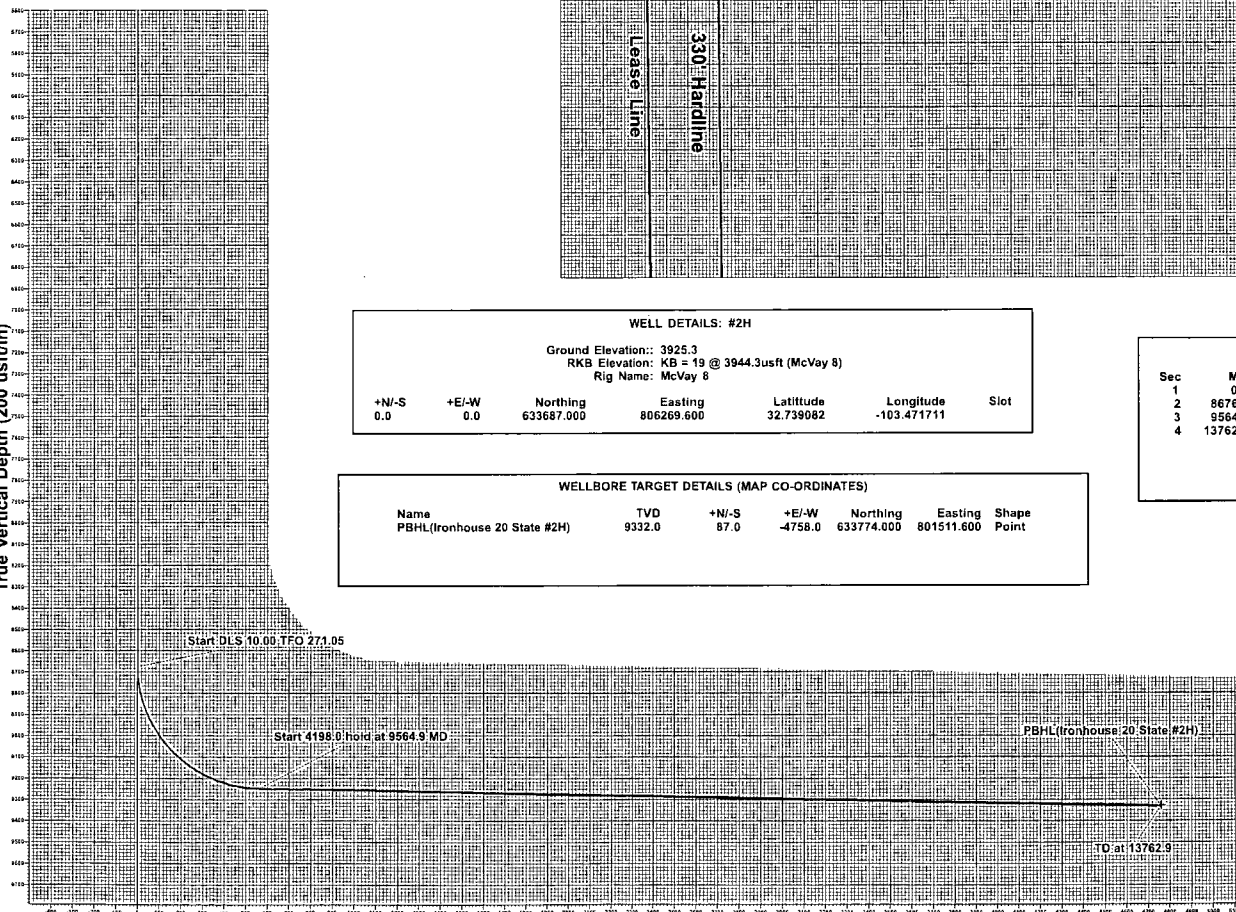
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL(Ironhouse 20 State #2H)	9332.0	87.0	-4758.0	633774.000	801511.600	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	8676.2	0.00	0.00	8676.2	0.0	0.0	0.00	0.00	0.0	
3	9564.9	88.87	271.05	9249.0	10.3	-561.5	10.00	271.05	561.6	
4	13762.9	88.87	271.05	9332.0	87.0	-4758.0	0.00	0.00	4758.8	PBHL(Ironhouse 20 State #2H)

True Vertical Depth (200 usft/in)



Vertical Section at 271.05° (200 usft/in)



Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.97°

Magnetic Field
Strength: 48816.8snT
Dip Angle: 60.65°
Date: 8/15/2012
Model: IGRF2010

Plan: Plan #1 (#2H/OH)

Created By: Sam Biffle Date: 14:44, August 20 2012

Checked: Date:

Small text block containing additional project information and a signature line.

Devon - Ironhouse 20 State 2H Plan 1 TXT.txt

HEADER INFORMATION

COMPANY : Devon Energy, Inc.
 FIELD : Lea County (NAD83)
 SITE : Ironhouse 20 State
 WELL : #2H
 WELLPATH: OH
 DEPTHUNT: usft

WELL INFORMATION

WELL EW MAP : 806269.60
 WELL NS MAP : 633687.00
 DATUM ELEVN : 3944.30
 VSECT ANGLE : 271.05
 VSECT NORTH : 0.00
 VSECT EAST : 0.00

SURVEY TYPE INFORMATION

H 0.00 - 13762.86 PLAN #1 : PATHFINDER

SURVEY LIST

MD	INC	AZI	TVD	VSEC	N/S	E/W
0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00

Devon - Ironhouse 20 State 2H Plan 1 TXT.txt						
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00
8676.20	0.00	0.00	8676.20	0.00	0.00	0.00
8700.00	2.38	271.05	8699.99	0.49	0.01	-0.49
8750.00	7.38	271.05	8749.80	4.75	0.09	-4.75
8800.00	12.38	271.05	8799.04	13.32	0.24	-13.32
8850.00	17.38	271.05	8847.35	26.16	0.48	-26.15
8900.00	22.38	271.05	8894.35	43.16	0.79	-43.15
8950.00	27.38	271.05	8939.70	64.19	1.17	-64.17
9000.00	32.38	271.05	8983.04	89.09	1.63	-89.07
9050.00	37.38	271.05	9024.04	117.67	2.15	-117.65
9100.00	42.38	271.05	9062.40	149.72	2.74	-149.69
9150.00	47.38	271.05	9097.82	184.99	3.38	-184.96
9200.00	52.38	271.05	9130.03	223.21	4.08	-223.17
9250.00	57.38	271.05	9158.78	264.10	4.83	-264.05
9300.00	62.38	271.05	9183.86	307.33	5.62	-307.28
9350.00	67.38	271.05	9205.08	352.59	6.45	-352.53
9400.00	72.38	271.05	9222.28	399.52	7.30	-399.46
9450.00	77.38	271.05	9235.32	447.78	8.19	-447.70
9500.00	82.38	271.05	9244.10	496.98	9.09	-496.90

		Devon - Ironhouse 20 State 2H Plan 1 TXT.txt				
9550.00	87.38	271.05	9248.56	546.77	10.00	-546.68
9564.88	88.87	271.05	9249.05	561.64	10.27	-561.54
9600.00	88.87	271.05	9249.74	596.75	10.91	-596.65
9700.00	88.87	271.05	9251.72	696.73	12.74	-696.62
9800.00	88.87	271.05	9253.69	796.71	14.57	-796.58
9900.00	88.87	271.05	9255.67	896.69	16.39	-896.54
10000.00	88.87	271.05	9257.64	996.67	18.22	-996.51
10100.00	88.87	271.05	9259.62	1096.65	20.05	-1096.47
10200.00	88.87	271.05	9261.60	1196.63	21.88	-1196.43
10300.00	88.87	271.05	9263.57	1296.61	23.70	-1296.40
10400.00	88.87	271.05	9265.55	1396.60	25.53	-1396.36
10500.00	88.87	271.05	9267.52	1496.58	27.36	-1496.33
10600.00	88.87	271.05	9269.50	1596.56	29.19	-1596.29
10700.00	88.87	271.05	9271.48	1696.54	31.02	-1696.25
10800.00	88.87	271.05	9273.45	1796.52	32.84	-1796.22
10900.00	88.87	271.05	9275.43	1896.50	34.67	-1896.18
11000.00	88.87	271.05	9277.40	1996.48	36.50	-1996.14
11100.00	88.87	271.05	9279.38	2096.46	38.33	-2096.11
11200.00	88.87	271.05	9281.36	2196.44	40.16	-2196.07
11300.00	88.87	271.05	9283.33	2296.42	41.98	-2296.04
11400.00	88.87	271.05	9285.31	2396.40	43.81	-2396.00
11500.00	88.87	271.05	9287.28	2496.38	45.64	-2495.96
11600.00	88.87	271.05	9289.26	2596.36	47.47	-2595.93
11700.00	88.87	271.05	9291.24	2696.34	49.29	-2695.89
11800.00	88.87	271.05	9293.21	2796.32	51.12	-2795.85
11900.00	88.87	271.05	9295.19	2896.30	52.95	-2895.82
12000.00	88.87	271.05	9297.17	2996.28	54.78	-2995.78
12100.00	88.87	271.05	9299.14	3096.26	56.61	-3095.75
12200.00	88.87	271.05	9301.12	3196.24	58.43	-3195.71
12300.00	88.87	271.05	9303.09	3296.22	60.26	-3295.67
12400.00	88.87	271.05	9305.07	3396.20	62.09	-3395.64
12500.00	88.87	271.05	9307.05	3496.19	63.92	-3495.60
12600.00	88.87	271.05	9309.02	3596.17	65.74	-3595.56
12700.00	88.87	271.05	9311.00	3696.15	67.57	-3695.53
12800.00	88.87	271.05	9312.97	3796.13	69.40	-3795.49
12900.00	88.87	271.05	9314.95	3896.11	71.23	-3895.46
13000.00	88.87	271.05	9316.93	3996.09	73.06	-3995.42
13100.00	88.87	271.05	9318.90	4096.07	74.88	-4095.38
13200.00	88.87	271.05	9320.88	4196.05	76.71	-4195.35
13300.00	88.87	271.05	9322.85	4296.03	78.54	-4295.31
13400.00	88.87	271.05	9324.83	4396.01	80.37	-4395.27
13500.00	88.87	271.05	9326.81	4495.99	82.20	-4495.24
13600.00	88.87	271.05	9328.78	4595.97	84.02	-4595.20
13700.00	88.87	271.05	9330.76	4695.95	85.85	-4695.17
13762.86	88.87	271.05	9332.00	4758.80	87.00	-4758.00