

HOBBS OCD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0770
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

MAY 08 2013

RECEIVED

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 30025-41163		² Pool Code 13155-97930		³ Well Name WC-025-606 - 5183518A; CORBIN, BONE SPRING	
⁴ Property Code 39877		⁵ Property Name IRONHOUSE "24" STATE COM			⁶ Well Number 1H
⁷ OGRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3965.6

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	24	18 S	34 E		150	SOUTH	825	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	24	18 S	34 E		330	NORTH	660	EAST	LEA

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

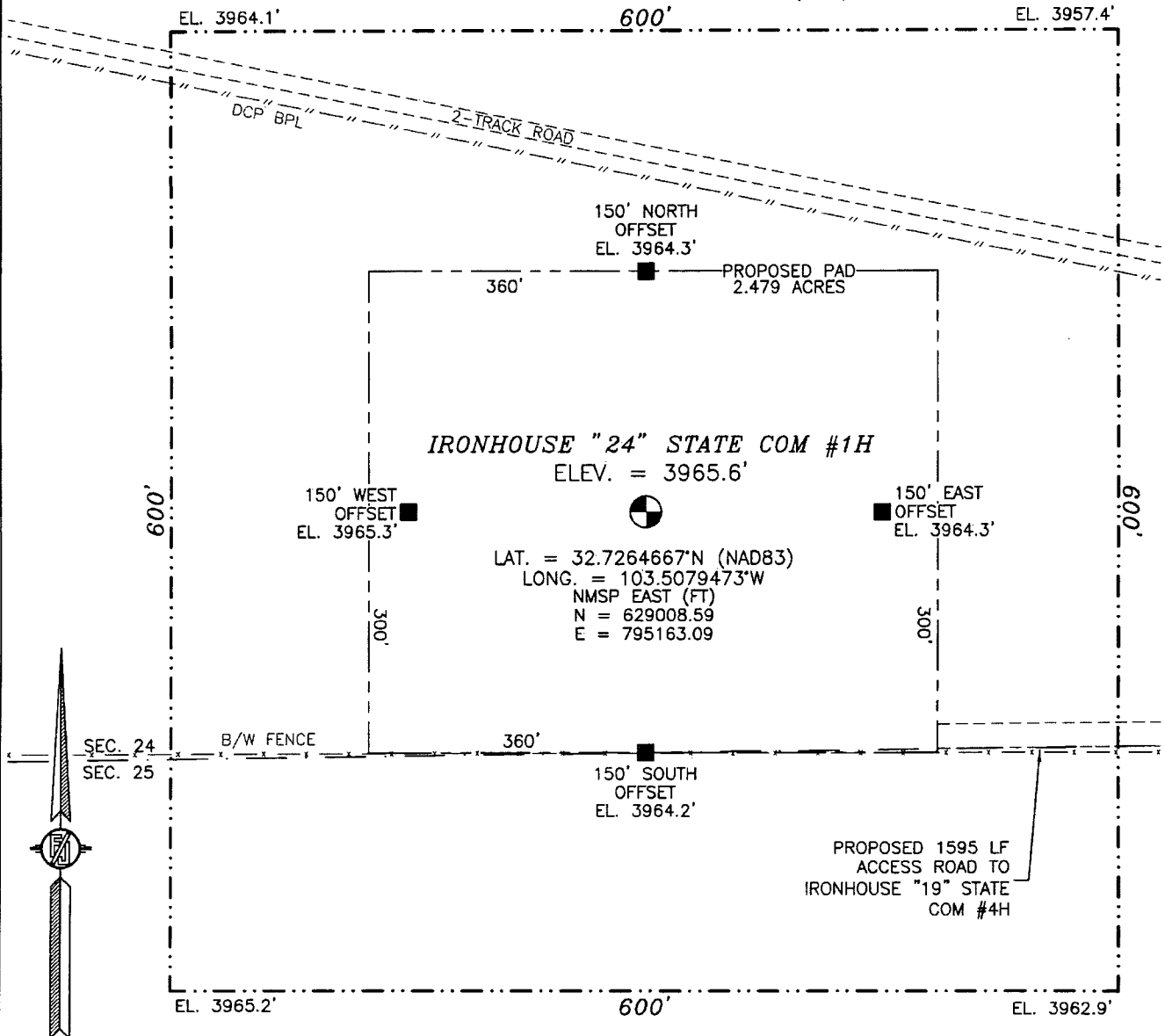
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

S89°16'26"W 2632.36 FT NW CORNER SEC. 24 LAT. = 32.7405333°N LONG. = 103.5224149°W NMSP EAST (FT) N = 634092.02 E = 790674.69 W Q CORNER SEC. 24 LAT. = 32.7332729°N LONG. = 103.5224025°W NMSP EAST (FT) N = 631450.52 E = 790698.70 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. SW CORNER SEC. 24 LAT. = 32.7260052°N LONG. = 103.5223888°W NMSP EAST (FT) N = 628806.41 E = 790723.16 S Q CORNER SEC. 24 LAT. = 32.7260321°N LONG. = 103.5138215°W NMSP EAST (FT) N = 628836.43 E = 793357.82 SE CORNER SEC. 24 LAT. = 32.7260645°N LONG. = 103.5052646°W NMSP EAST (FT) N = 628868.69 E = 795989.28 N89°20'49"E 2634.84 FT		S89°15'57"W 2634.16 FT NE CORNER SEC. 24 LAT. = 32.7406058°N LONG. = 103.5052878°W NMSP EAST (FT) N = 634159.14 E = 795940.79 660' 330' BOTTOM OF HOLE LAT. = 32.7396899°N LONG. = 103.5074322°W NMSP EAST (FT) N = 633820.76 E = 795284.00 IRONHOUSE "24" STATE COM #1H ELEV. = 3965.6' LAT. = 32.7264667°N (NAD83) LONG. = 103.5079473°W NMSP EAST (FT) N = 629008.59 E = 795163.09 150' 825' N89°17'52"E 2631.65 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 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. <i>D-H</i> 5/7/2013 Signature Date David H. Cook Regulatory Specialist Printed Name david.cook@dmv.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 28 2013 Date of Survey J. J. JARAMILLO Signature and Seal of Professional Surveyor Certificate Number: 12797 J. J. JARAMILLO, JARAMILLO, PLS 12797 SURVEY NO. 1634B
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MAY 20 2013

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 34 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.



0 10 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 5.5 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 OF A MILE. CONTINUE NORTHEAST APPROX. 0.7 OF A MILE. CONTINUE NORTHEAST APPROX. 0.4 OF A MILE TO IRONHOUSE "19" STATE COM #4H WELL. LOCATION IS APPROX. 1595 FT WEST.

DEVON ENERGY PRODUCTION COMPANY, L.P.

IRONHOUSE "24" STATE COM #1H

LOCATED 150 FT. FROM THE SOUTH LINE
AND 825 FT. FROM THE EAST LINE OF

SECTION 24, TOWNSHIP 18 SOUTH,

RANGE 34 EAST, N.M.P.M.

LEA COUNTY, STATE OF NEW MEXICO

MARCH 28, 2013

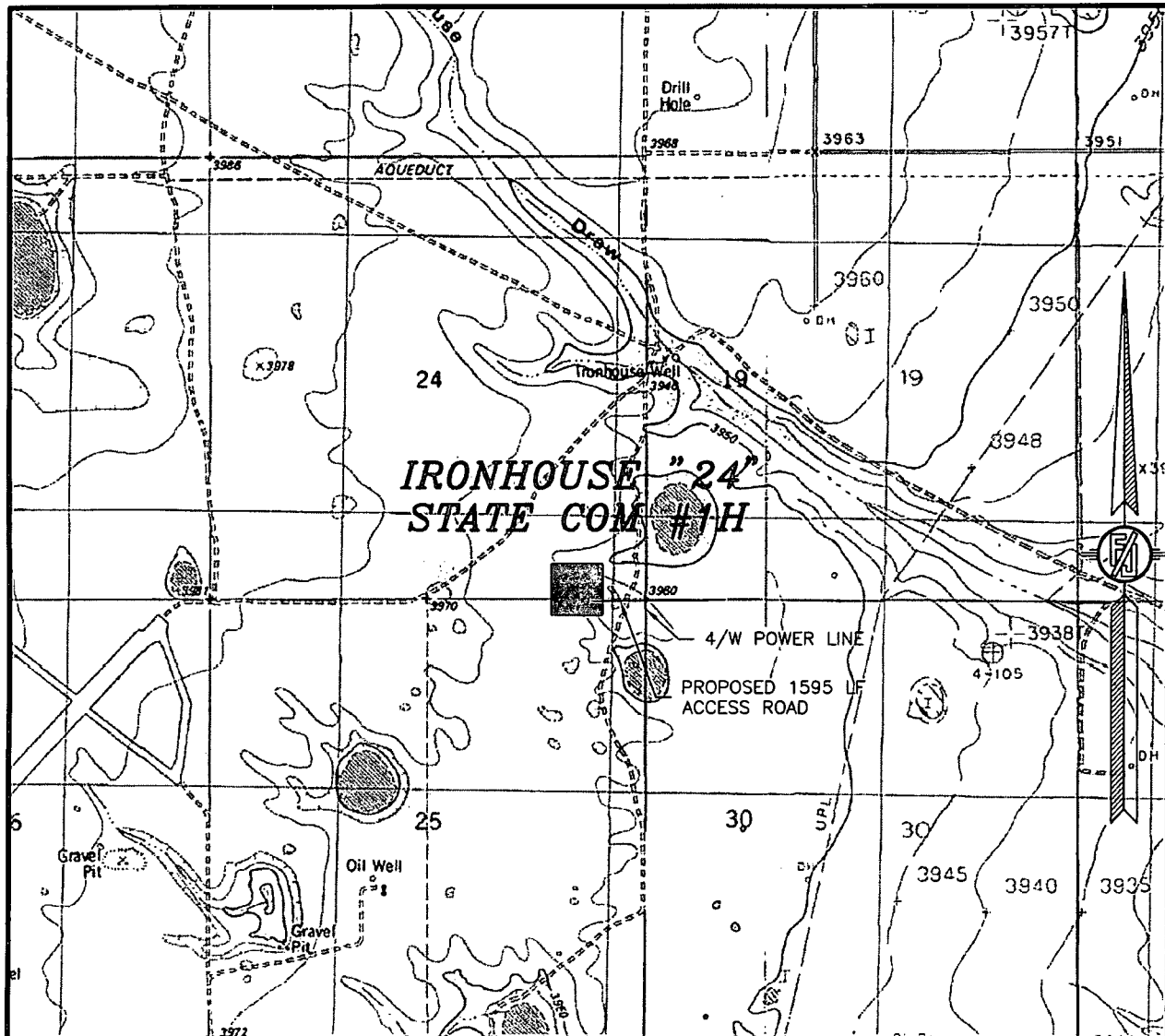
SURVEY NO. 1634B

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

24, TOWNSHIP 18 SOUTH, RANGE 34 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 "24" STATE COM #1H
LOCATED 150 FT. FROM THE SOUTH LINE
AND 825 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 18 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

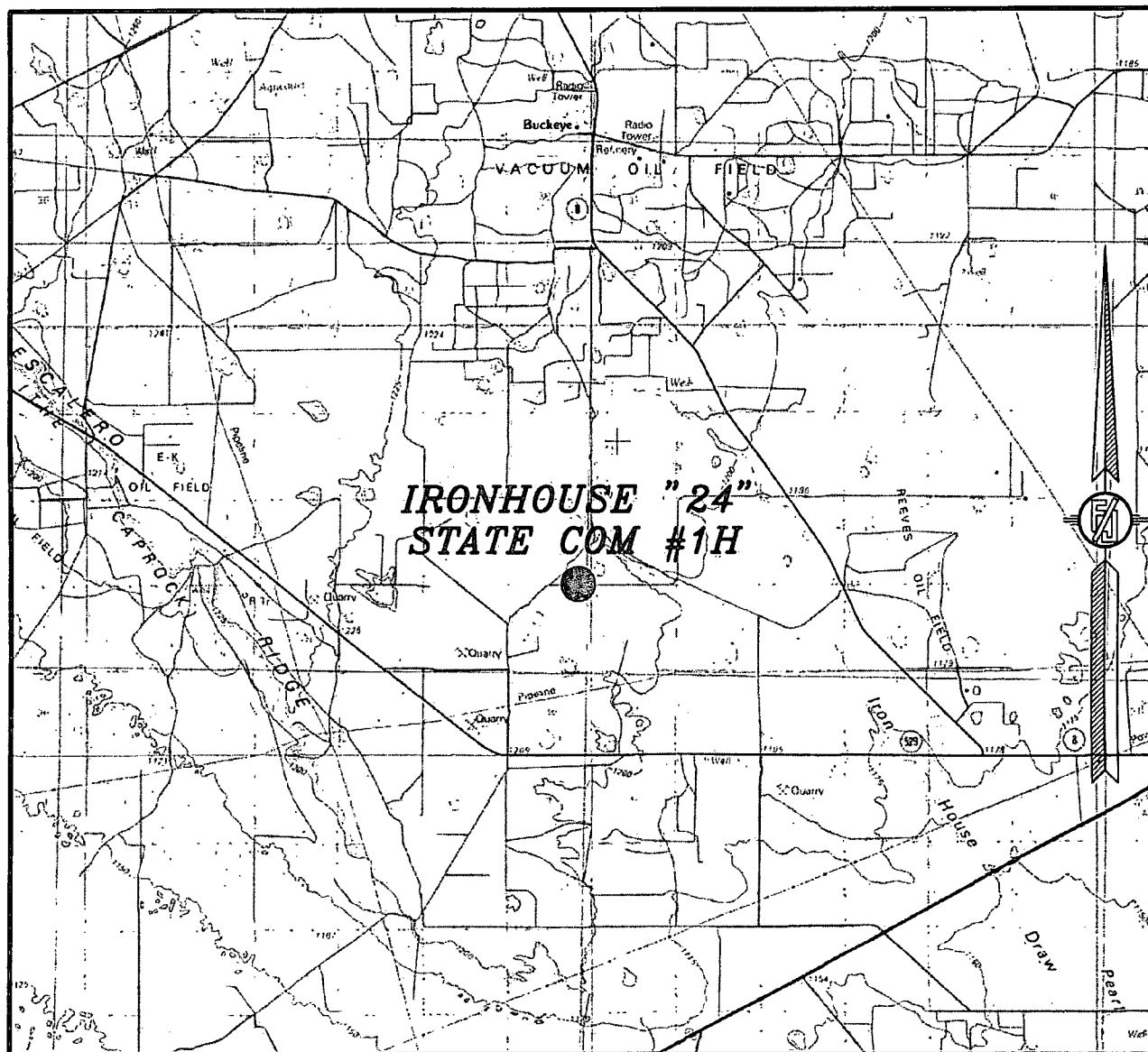
MARCH 28, 2013

SURVEY NO. 1634B

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

SURVEY NO. 1634B

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



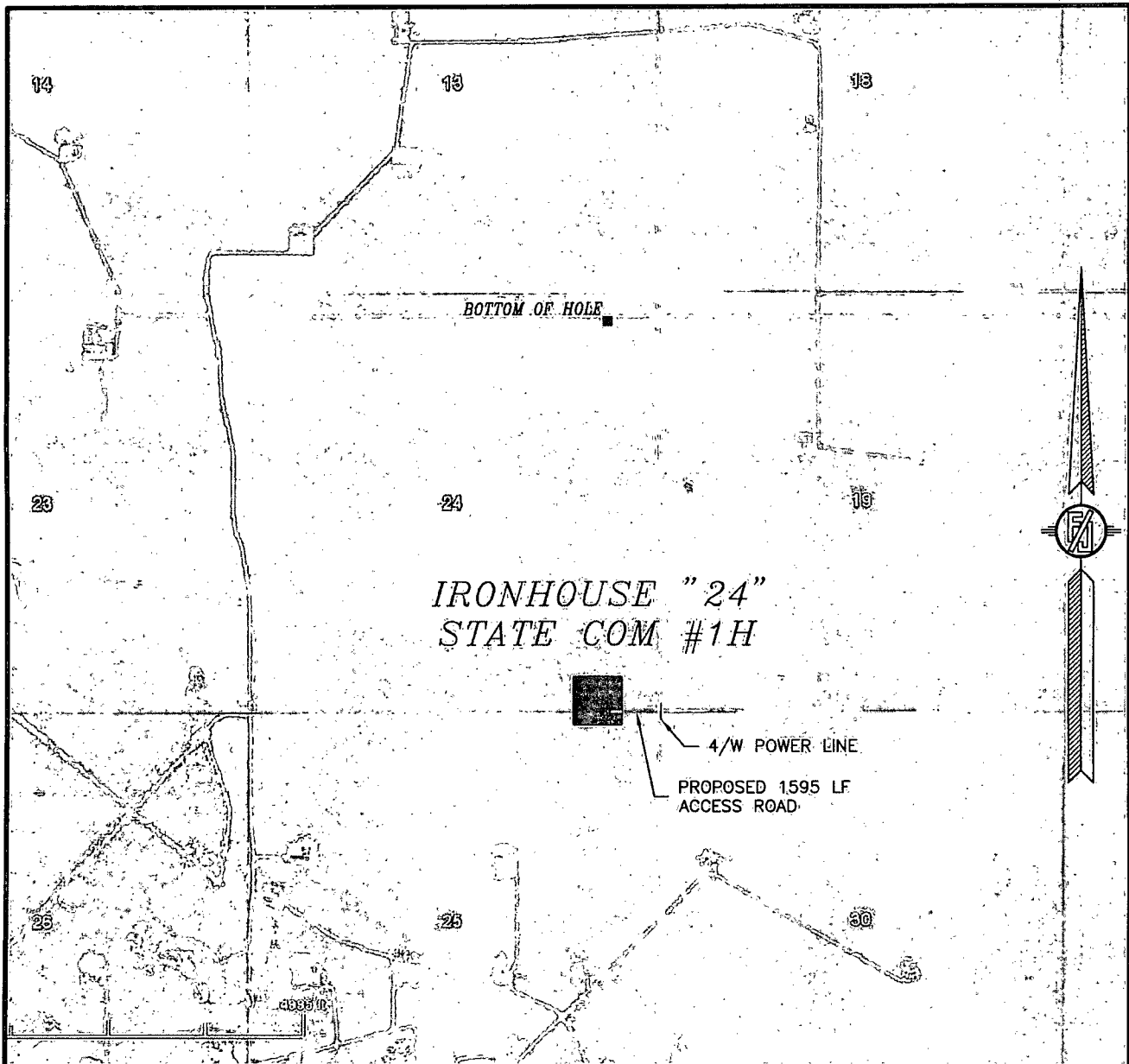
NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
IRONHOUSE "24" STATE COM #1H
LOCATED 150 FT. FROM THE SOUTH LINE
AND 825 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 18 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 28, 2013

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO SURVEY NO. 1634B

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 34 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 "24" STATE COM #1H

LOCATED 150 FT. FROM THE SOUTH LINE
AND 825 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 18 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 28, 2013

SURVEY NO. 1634B

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



Weatherford®

Drilling Services

Proposal



devon

IRONHOUSE 24 STATE COM 1H

LEA COUNTY, NM

WELL FILE: **PLAN 1**

MAY 6, 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



Ironhouse 24 State Com 1H
Lea County, New Mexico

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	1.44	0.00	0.00	0.00	0.00	0.00	0.00	
2	9358.25	0.00	1.44	9358.25	0.00	0.00	0.00	0.00	0.00	
3	10148.72	94.86	1.44	9834.00	517.72	13.01	12.00	1.44	517.89	
4	14460.00	94.86	1.44	9469.00	4812.17	120.91	0.00	0.00	4813.69	PBHL

WELL DETAILS

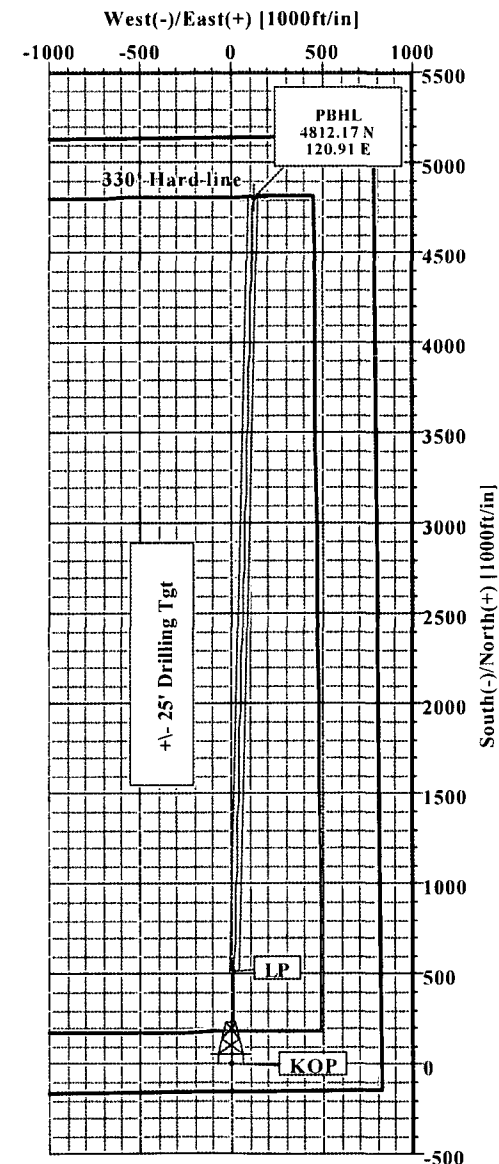
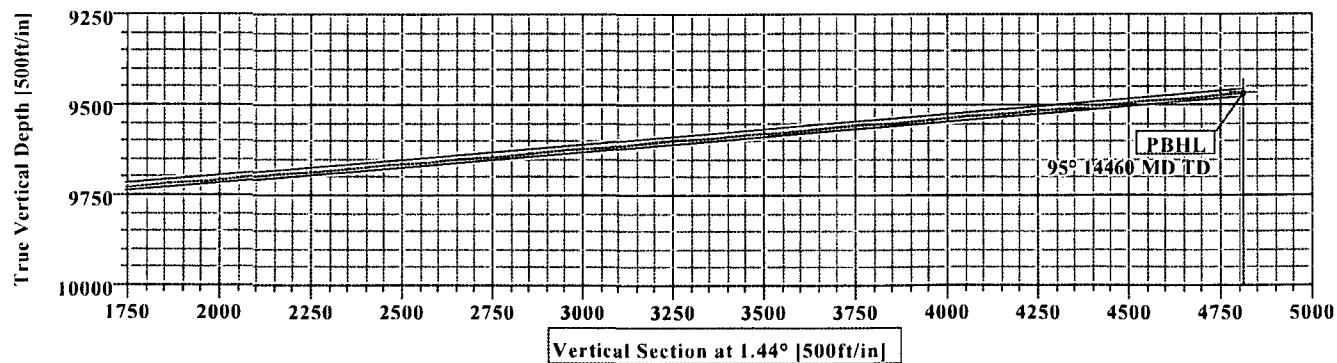
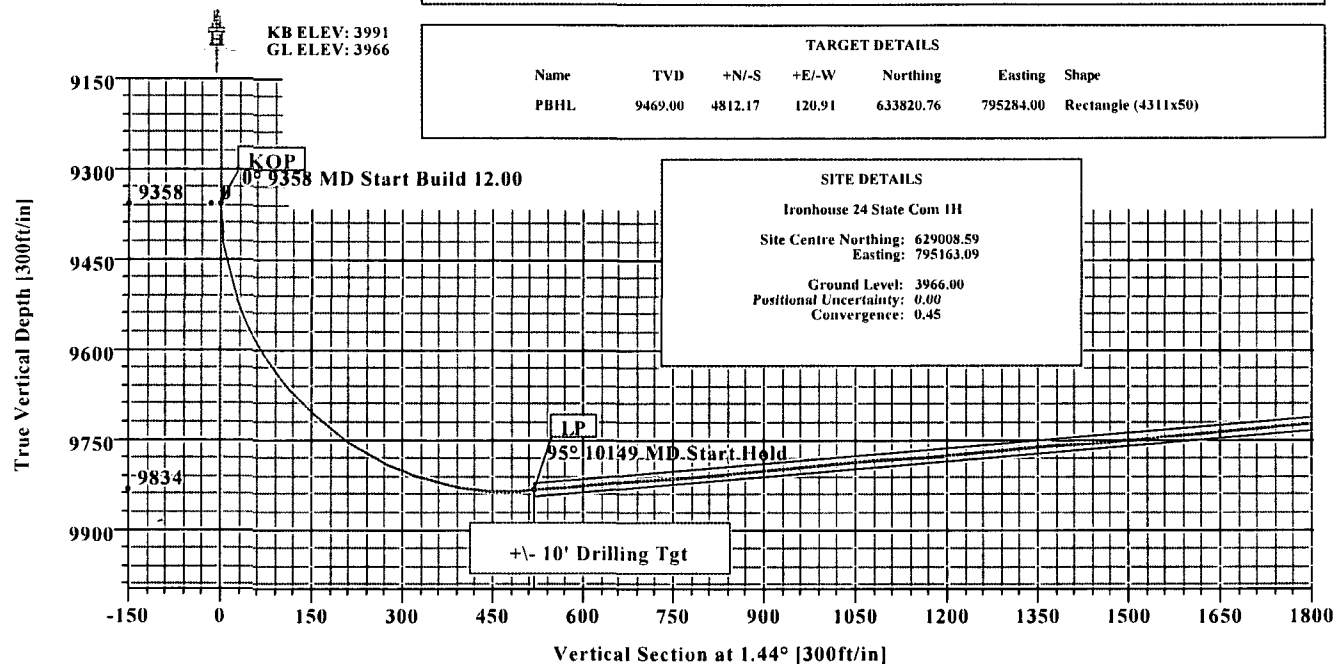
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Ironhouse 24 State Com 1H	0.00	0.00	629008.59	795163.09	32°43'35.268N	103°30'28.629W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	9469.00	4812.17	120.91	633820.76	795284.00	Rectangle (4311x50)

SITE DETAILS

Ironhouse 24 State Com 1H
Site Centre Northing: 629008.59
Easting: 795163.09
Ground Level: 3966.00
Positional Uncertainty: 0.00
Convergence: 0.45





Weatherford

Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy		Date: 5/6/2013	Time: 15:36:23	Page: 1
Field: Lea County, New Mexico (NAD 83)		Co-ordinate(NE) Reference: Well: Ironhouse 24 State Com 1H		
Site: Ironhouse 24 State Com 1H		Vertical (TVD) Reference: SITE 3991.0		
Well: Ironhouse 24 State Com 1H		Section (VS) Reference: Well (0.00N,0.00E,1.44Azi)		
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase		

Plan: Plan #1	Date Composed: 5/6/2013
Principal: Yes	Version: 1
	Tied-to: From Surface

Site: Ironhouse 24 State Com 1H		
Site Position:	Northing: 629008.59 ft	Latitude: 32 43 35.268 N
From: Map	Easting: 795163.09 ft	Longitude: 103 30 28.629 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3966.00 ft		Grid Convergence: 0.45 deg

Well: Ironhouse 24 State Com 1H		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 629008.59 ft	Latitude: 32 43 35.268 N	
+E/-W 0.00 ft	Easting: 795163.09 ft	Longitude: 103 30 28.629 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 3991.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 1/20/2014		Above System Datum: Mean Sea Level	
Field Strength: 48690 nT		Declination: 7.27 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.60 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	1.44

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	1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9358.25	0.00	1.44	9358.25	0.00	0.00	0.00	0.00	0.00	0.00	
10148.72	94.86	1.44	9834.00	517.72	13.01	12.00	12.00	0.00	1.44	
14460.00	94.86	1.44	9469.00	4812.17	120.91	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
9300.00	0.00	1.44	9300.00	0.00	0.00	0.00	0.00	629008.59	795163.09	
9358.25	0.00	1.44	9358.25	0.00	0.00	0.00	0.00	629008.59	795163.09	KOP
9400.00	5.01	1.44	9399.95	1.82	0.05	1.82	12.00	629010.41	795163.14	
9500.00	17.01	1.44	9497.93	20.88	0.52	20.89	12.00	629029.47	795163.61	
9600.00	29.01	1.44	9589.80	59.89	1.50	59.91	12.00	629068.48	795164.59	
9700.00	41.01	1.44	9671.56	117.14	2.94	117.17	12.00	629125.73	795166.03	
9800.00	53.01	1.44	9739.62	190.13	4.78	190.19	12.00	629198.72	795167.87	
9900.00	65.01	1.44	9791.02	275.67	6.93	275.76	12.00	629284.26	795170.02	
10000.00	77.01	1.44	9823.50	370.02	9.30	370.14	12.00	629378.61	795172.39	
10100.00	89.01	1.44	9835.64	469.07	11.79	469.22	12.00	629477.66	795174.88	
10148.72	94.86	1.44	9834.00	517.72	13.01	517.89	12.00	629526.31	795176.10	LP
10200.00	94.86	1.44	9829.66	568.80	14.29	568.98	0.00	629577.39	795177.38	
10300.00	94.86	1.44	9821.19	668.41	16.79	668.62	0.00	629677.00	795179.88	
10400.00	94.86	1.44	9812.73	768.02	19.30	768.26	0.00	629776.61	795182.39	
10500.00	94.86	1.44	9804.26	867.63	21.80	867.91	0.00	629876.22	795184.89	
10600.00	94.86	1.44	9795.79	967.24	24.30	967.55	0.00	629975.83	795187.39	
10700.00	94.86	1.44	9787.33	1066.85	26.81	1067.19	0.00	630075.44	795189.90	
10800.00	94.86	1.44	9778.86	1166.46	29.31	1166.83	0.00	630175.05	795192.40	
10900.00	94.86	1.44	9770.40	1266.07	31.81	1266.47	0.00	630274.66	795194.90	
11000.00	94.86	1.44	9761.93	1365.68	34.31	1366.11	0.00	630374.27	795197.40	
11100.00	94.86	1.44	9753.46	1465.29	36.82	1465.75	0.00	630473.88	795199.91	
11200.00	94.86	1.44	9745.00	1564.90	39.32	1565.39	0.00	630573.49	795202.41	
11300.00	94.86	1.44	9736.53	1664.51	41.82	1665.03	0.00	630673.10	795204.91	



Weatherford

Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Ironhouse 24 State Com 1H
Well: Ironhouse 24 State Com 1H
Wellpath: 1

Date: 5/6/2013 Time: 15:36:23 Page: 2
Co-ordinate(NE) Reference: Well: Ironhouse 24 State Com 1H
Vertical (TVD) Reference: SITE 3991.0
Section (VS) Reference: Well (0.00N,0.00E,1.44Azi)
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
11400.00	94.86	1.44	9728.07	1764.12	44.32	1764.67	0.00	630772.71	795207.41	
11500.00	94.86	1.44	9719.60	1863.73	46.83	1864.31	0.00	630872.32	795209.92	
11600.00	94.86	1.44	9711.13	1963.34	49.33	1963.96	0.00	630971.93	795212.42	
11700.00	94.86	1.44	9702.67	2062.95	51.83	2063.60	0.00	631071.54	795214.92	
11800.00	94.86	1.44	9694.20	2162.56	54.34	2163.24	0.00	631171.15	795217.43	
11900.00	94.86	1.44	9685.73	2262.16	56.84	2262.88	0.00	631270.75	795219.93	
12000.00	94.86	1.44	9677.27	2361.77	59.34	2362.52	0.00	631370.36	795222.43	
12100.00	94.86	1.44	9668.80	2461.38	61.84	2462.16	0.00	631469.97	795224.93	
12200.00	94.86	1.44	9660.34	2560.99	64.35	2561.80	0.00	631569.58	795227.44	
12300.00	94.86	1.44	9651.87	2660.60	66.85	2661.44	0.00	631669.19	795229.94	
12400.00	94.86	1.44	9643.40	2760.21	69.35	2761.08	0.00	631768.80	795232.44	
12500.00	94.86	1.44	9634.94	2859.82	71.86	2860.72	0.00	631868.41	795234.95	
12600.00	94.86	1.44	9626.47	2959.43	74.36	2960.37	0.00	631968.02	795237.45	
12700.00	94.86	1.44	9618.00	3059.04	76.86	3060.01	0.00	632067.63	795239.95	
12800.00	94.86	1.44	9609.54	3158.65	79.36	3159.65	0.00	632167.24	795242.45	
12900.00	94.86	1.44	9601.07	3258.26	81.87	3259.29	0.00	632266.85	795244.96	
13000.00	94.86	1.44	9592.61	3357.87	84.37	3358.93	0.00	632366.46	795247.46	
13100.00	94.86	1.44	9584.14	3457.48	86.87	3458.57	0.00	632466.07	795249.96	
13200.00	94.86	1.44	9575.67	3557.09	89.37	3558.21	0.00	632565.68	795252.46	
13300.00	94.86	1.44	9567.21	3656.70	91.88	3657.85	0.00	632665.29	795254.97	
13400.00	94.86	1.44	9558.74	3756.31	94.38	3757.49	0.00	632764.90	795257.47	
13500.00	94.86	1.44	9550.28	3855.92	96.88	3857.13	0.00	632864.51	795259.97	
13600.00	94.86	1.44	9541.81	3955.53	99.39	3956.78	0.00	632964.12	795262.48	
13700.00	94.86	1.44	9533.34	4055.14	101.89	4056.42	0.00	633063.73	795264.98	
13800.00	94.86	1.44	9524.88	4154.75	104.39	4156.06	0.00	633163.34	795267.48	
13900.00	94.86	1.44	9516.41	4254.36	106.89	4255.70	0.00	633262.95	795269.98	
14000.00	94.86	1.44	9507.94	4353.97	109.40	4355.34	0.00	633362.56	795272.49	
14100.00	94.86	1.44	9499.48	4453.57	111.90	4454.98	0.00	633462.16	795274.99	
14200.00	94.86	1.44	9491.01	4553.18	114.40	4554.62	0.00	633561.77	795277.49	
14300.00	94.86	1.44	9482.55	4652.79	116.91	4654.26	0.00	633661.38	795280.00	
14400.00	94.86	1.44	9474.08	4752.40	119.41	4753.90	0.00	633760.99	795282.50	
14460.00	94.86	1.44	9469.00	4812.17	120.91	4813.69	0.00	633820.76	795284.00	PBHL

Targets

Name	Description Dip.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<---- Longitude ----> Deg Min Sec
PBHL -Rectangle (4311x50)		9469.00	4812.17	120.91	633820.76	795284.00	32 44 22.871 N	103 30 26.775 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle Dip Direction



Weatherford

Wft Plan Report X Y's.



Weatherford

Company: Devon Energy	Date: 5/6/2013	Time: 15:36:23	Page: 3
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference: Well: Ironhouse 24 State Com 1H		
Site: Ironhouse 24 State Com 1H	Vertical (TVD) Reference: SITE 3991.0		
Well: Ironhouse 24 State Com 1H	Section (VS) Reference: Well (0.00N,0.00E,1.44Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Annotation

MD ft	TVD ft	
9358.25	9358.25	KOP
10148.72	9834.00	LP
14460.00	9469.00	PBHL

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

GeoDec v5.03

Report Date: May 06, 2013
Job Number: _____
Customer: Devon Energy
Well Name: Ironhouse 24 State Com 1H
API Number: _____
Rig Name: _____
Location: Lea County, 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 629008.590 USFT	Latitude 32.7264667 DEG
East/West 795163.090 USFT	Longitude -103.5079473 DEG
Grid Convergence: .45°	
Total Correction: +7.01°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.72647° N	32° 43 min 35.280 sec
Longitude =	103.50795° W	103° 30 min 28.610 sec

Magnetic Declination =	7.46°	[True North Offset]
Local Gravity =	.9989 g	Checksum = 6540
Local Field Strength =	48756 nT	Magnetic Vector X = 23725 nT
Magnetic Dip =	60.61°	Magnetic Vector Y = 3109 nT
Magnetic Model =	bggm2013	Magnetic Vector Z = 42481 nT
Spud Date =	May 15, 2013	Magnetic Vector H = 23928 nT

Signed: _____

Date: _____