

HOBBS OCD

JAN 13 2012

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 & Natural Resources Department

RECEIVED OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate
District Office☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40428	² Pool Code 96341	³ Pool Name Cinta Rojo;	⁴ Well Number 4H
⁵ Property Code 34087	⁶ Property Name RED BULL 31 STATE		⁷ Elevation 3435.9
⁸ OGRID No. 6137	⁹ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		

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
A	31	23 S	35 E		375	NORTH	375	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
P	31	23 S	35 E		375	SOUTH	375	EAST	LEA

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

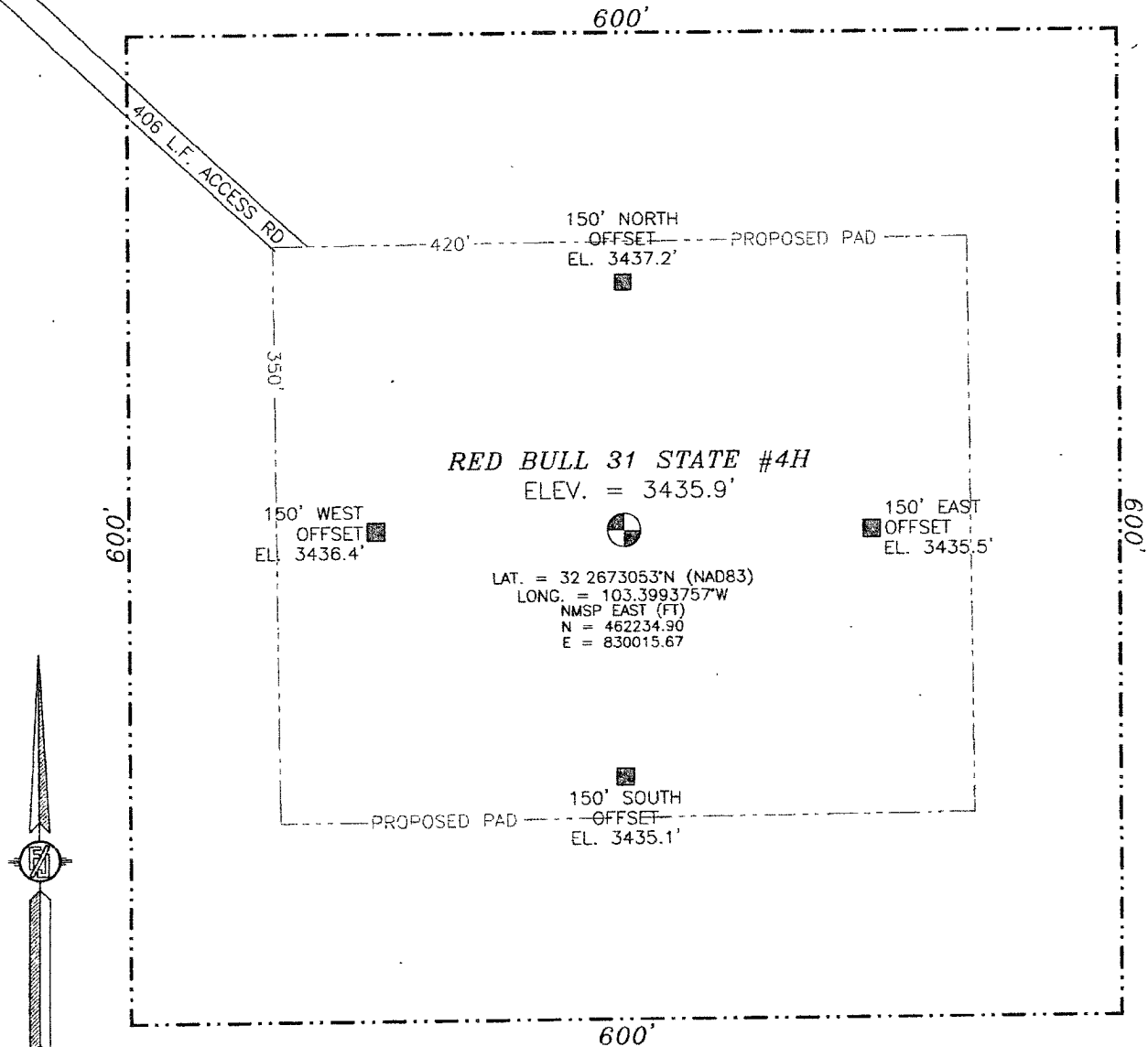
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

NW CORNER SEC. 31 LAT. = 32.2683268°N LONG. = 103.4151970°W NMSP EAST (FT) N = 462564.29 E = 825122.08	RED BULL 31 STATE #4H ELEV. = 3435.9' LAT. = 32.2673053°N (NAD83) LONG. = 103.3993757°W NMSP EAST (FT) N = 462234.90 E = 830015.67	SURFACE LOCATION 375'	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: <i>Judy A. Barnett</i> Date: 1/12/12 Printed Name: Judy A. Barnett Regulatory Specialist
		NE CORNER SEC. 31 LAT. = 32.2683366°N LONG. = 103.3981639°W NMSP EAST (FT) N = 462613.34 E = 830386.98	
		SE CORNER SEC. 31 LAT. = 32.2538203°N LONG. = 103.3981472°W NMSP EAST (FT) N = 457332.29 E = 830438.17	
SW CORNER SEC. 31 LAT. = 32.2538073°N LONG. = 103.4151946°W NMSP EAST (FT) N = 457282.06 E = 825168.03	BOTTOM OF HOLE LAT. = 32.2548502°N LONG. = 103.3993611°W NMSP EAST (FT) N = 457703.70 E = 830059.62	BOTTOM OF HOLE 375'	
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. OCTOBER 27, 2011 Date of Survey Signature and Seal of Professional Surveyor Certificate Number FIDMON F JARAMILLO PLS 12797 SURVEY NO 665			

30-025-4042

SECTION 31, TOWNSHIP 23 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

OVERHEAD ELECTRIC



0 10 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM MILE POST 31 ON S.R. 128 GO SOUTH 0.8 MILES TO CR 21 (DELAWARE BASIN ROAD) ON LEFT (NORTH) GO 3 MILES CR 21B (SHELL ROAD) ON RIGHT (EAST) GO 2.3 MILES EAST TO ANTELOPE RD GO NORTH 0.7 MILES TO CALICHE ROAD ON RIGHT (EAST) GO 3.5 MILES CALICHE ROAD BENDS RIGHT TWO TRACK RD EAST TAKE TWO TRACK ROAD 0.8 MILES WELL SITE IS ON RIGHT 300'

DEVON ENERGY PRODUCTION COMPANY, L.P.

RED BULL 31 STATE #4H

LOCATED 375 FT. FROM THE NORTH LINE
AND 375 FT. FROM THE EAST LINE OF
SECTION 31, TOWNSHIP 23 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

OCTOBER 27.2011

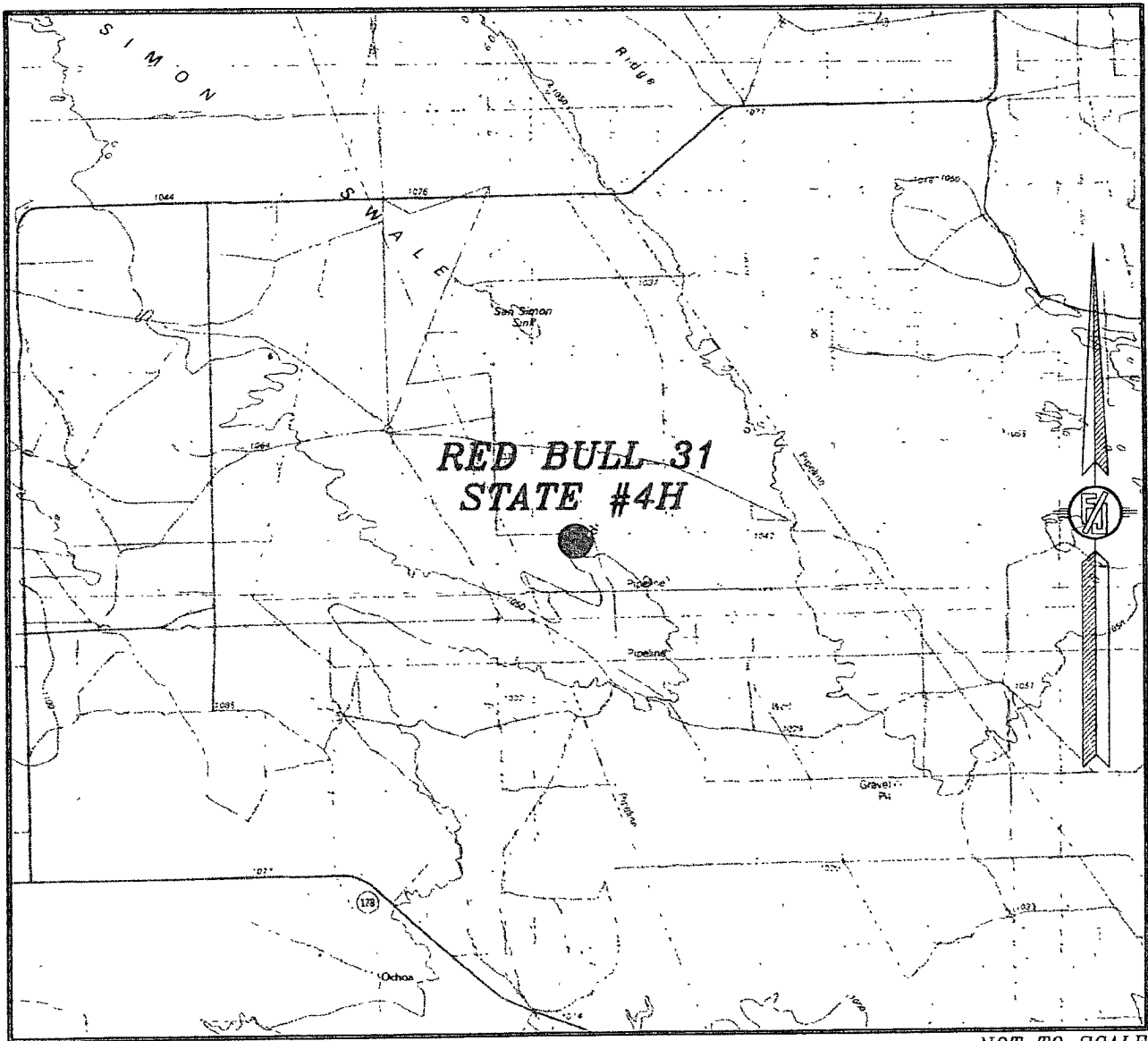
SURVEY NO. 665

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 31, TOWNSHIP 23 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.

RED BULL 31 STATE #4H

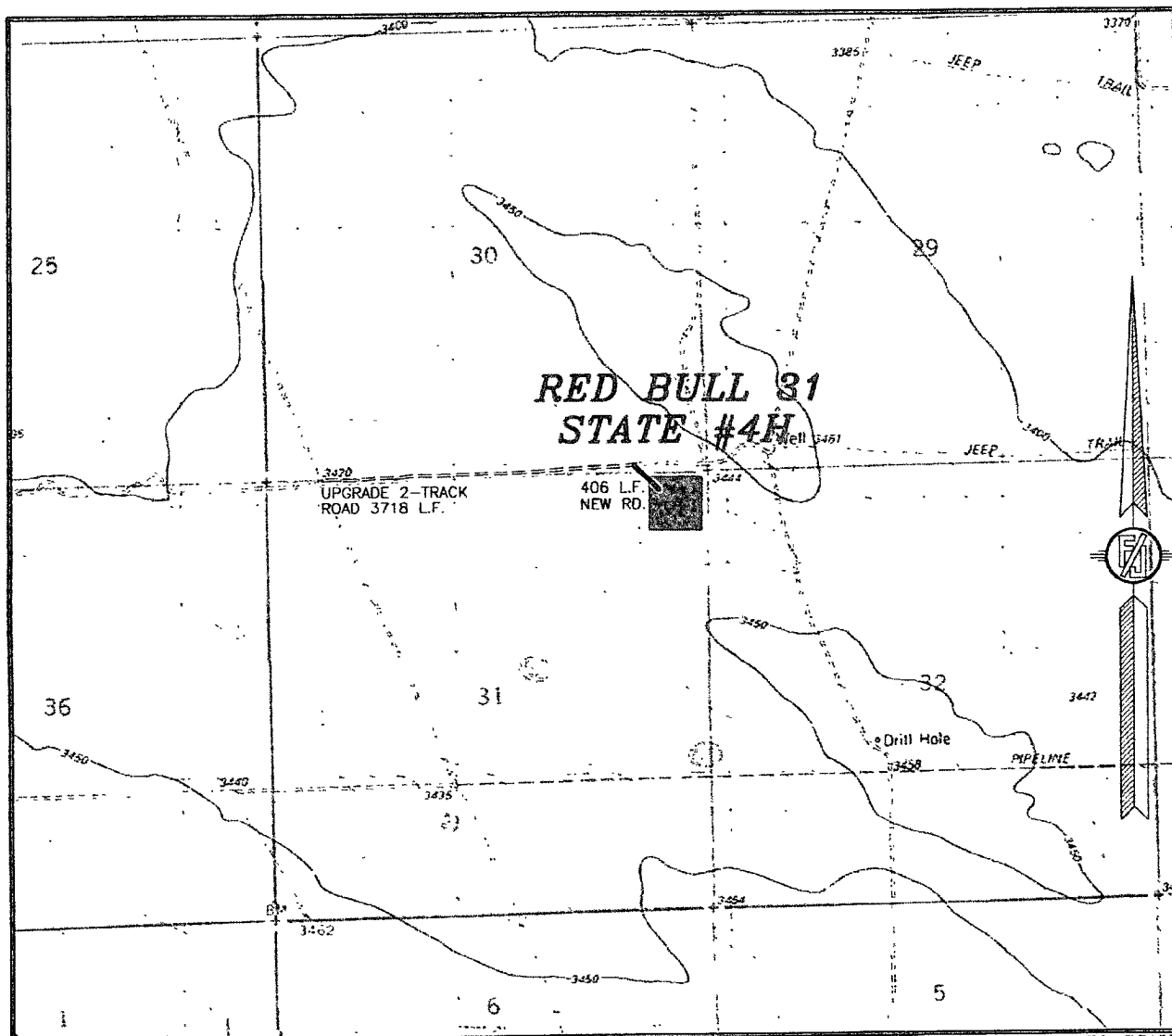
LOCATED 375 FT. FROM THE NORTH LINE
AND 375 FT. FROM THE EAST LINE OF
SECTION 31, TOWNSHIP 23 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

OCTOBER 27.2011

SURVEY NO. 665

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

SECTION 31, TOWNSHIP 23 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
SAN SIMON SINK, NM

NOT TO SCALE

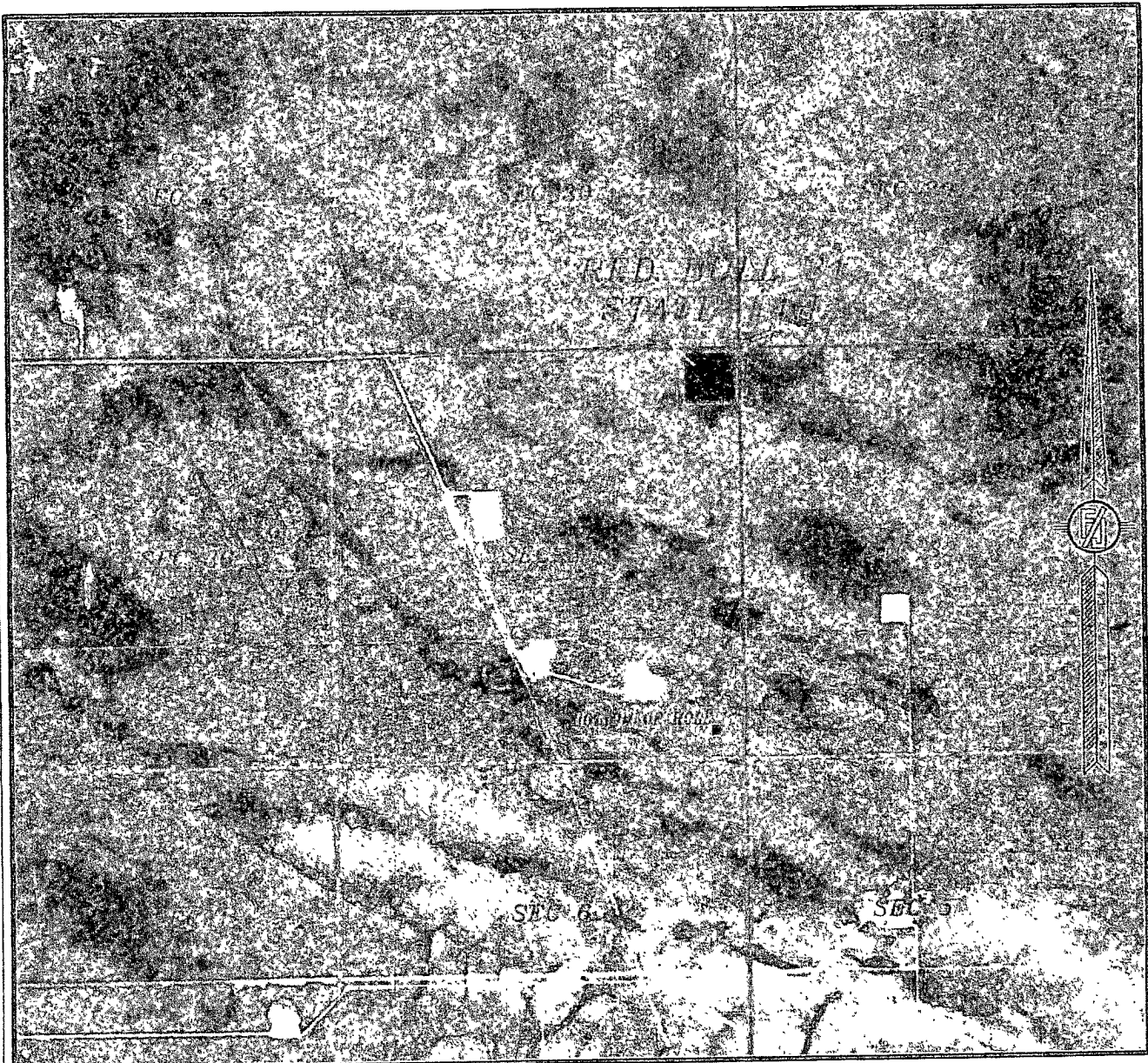
DEVON ENERGY PRODUCTION COMPANY, L.P.
RED BULL 31 STATE #4H
LOCATED 375 FT. FROM THE NORTH LINE
AND 375 FT. FROM THE EAST LINE OF
SECTION 31, TOWNSHIP 23 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

OCTOBER 27.2011

SURVEY NO. 665

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 734-3341 CARLSBAD, NEW MEXICO

SECTION 31, TOWNSHIP 23 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



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

DEVON ENERGY PRODUCTION COMPANY, L.P.
RED BULL 31 STATE #4H
LOCATED 375 FT. FROM THE NORTH LINE
AND 375 FT. FROM THE EAST LINE OF
SECTION 31, TOWNSHIP 23 SOUTH,
RANGE 35 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

OCTOBER 27.2011

SURVEY NO. 665

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

HOBBS OCD

JAN 13 2012

RECEIVED

Devon

PHOENIX
THE WELL LOG ANALYST



Project: Lea County, NM (Nad83)
Site: Red Bull 31 State
Well: Red Bull 31 State 4H
Wellbore: Wellbore #1
Plan: Plan #1 010612
Rig: McVay #8

devon

WELL DETAILS* Red Bull 31 State 4H

Ground Level	3436.00
North	482234.90
East	830015.67
Latitude	32.2573053
Longitude	-103.3993757

FORMATION TOP DETAILS

No formation data is available

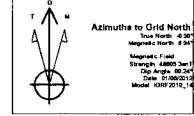
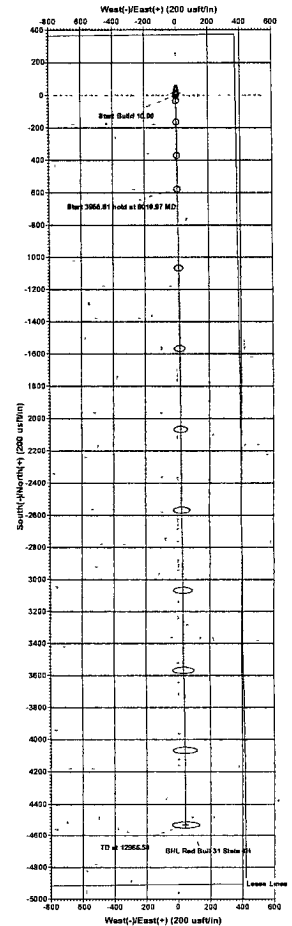
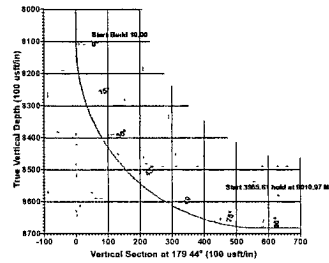
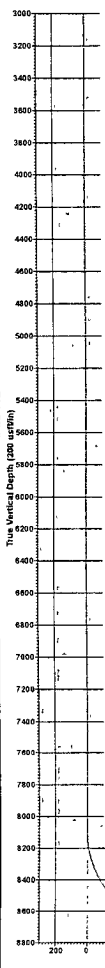
SECTION DETAILS

MD	Ino	Ap	TVD	+N-S	+E-W	Dleg	TFace	VSeal
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8108.07	0.00	0.00	8108.07	0.00	0.00	0.00	0.00	0.00
9010.97	90.29	179.44	8981.02	-575.83	5.59	10.00	179.44	575.86
12965.58	90.28	179.44	8661.00	-4531.22	43.95	0.00	0.00	4531.41

BH Red Bull 31 State 4H

ANNOTATIONS

TVD	MD	Annotation
8108.07	8108.07	Start Build 10.00
8661.02	9010.97	Start 3955.61 hold at 9010.97 MD
8661.00	12965.58	TD at 12965.58





PHOENIX
TECHNOLOGY SERVICES

Devon

Lea County, NM (Nad83)
Red Bull 31 State
Red Bull 31 State 4H
Wellbore #1

Plan: Plan #1 010612

Devon Energy Inc.

06 January, 2012



PHOENIX
TECHNOLOGY SERVICES



Phoenix Technology Services
Devon Energy Inc.



Company:	Devon	Local Co-ordinate Reference:	Well Red Bull 31 State 4H
Project:	Lea County, NM (Nad83)	TVD Reference:	WELL @ 3454 00usft (Original Well Elev)
Site:	Red Bull 31 State	MD Reference:	WELL @ 3454 00usft (Original Well Elev)
Well:	Red Bull 31 State 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 010612	Database:	GCR DB v5000

Project:	Lea County, NM (Nad83)		
Map System:	US State Plane 1983	System Datum	Mean Sea Level
Geo Datum	North American Datum 1983		
Map Zone	New Mexico Eastern Zone		

Site:	Red Bull 31 State		
Site Position		Northing	462,234 90 usft
From:	Map	Easting	830,015 67 usft
Position Uncertainty:	0 00 usft	Slot Radius:	13-3/16 "
		Latitude	32 2673053
		Longitude:	-103 3993757
		Grid Convergence:	0 50 "

Well:	Red Bull 31 State 4H		
Well Position	+N/-S 0 00 usft	Northing:	462,234 90 usft
	+E/-W 0 00 usft	Easting	830,015 67 usft
Position Uncertainty	0 00 usft	Wellhead Elevation:	usft
		Latitude	32 2673053
		Longitude	-103 3993757
		Ground Level	3,436 00 usft

Wellbore:	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010_14	01/06/12	7 44
			Dip Angle
			60 24
			Field Strength
			48,605

Design:	Plan #1 010612		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0 00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0 00	0 00	0 00
			Direction
			179 44

Survey Tool Program:	Date	01/06/12		
From:	To:			
(usft)	(usft)	Survey (Wellbore)	Tool Name	Description
0 00	12,966 58	Plan #1 010612 (Wellbore #1)	MWD	MWD - Standard



Phoenix Technology Services
Devon Energy Inc.



Company: Devon
Project: Lea County, NM (Nad83)
Site: Red Bull 31 State
Well: Red Bull 31 State 4H
Wellbore: Wellbore #1
Design: Plan #1 010612

Local Co-ordinate Reference
TVD Reference: WELL @ 3454 00usft (Original Well Elev)
MD Reference: WELL @ 3454 00usft (Original Well Elev)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
0 00	0 00	0 00	-3,454 00	0 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
100 00	0 00	0 00	-3,354 00	100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
200 00	0 00	0 00	-3,254 00	200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
300 00	0 00	0 00	-3,154 00	300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
400 00	0 00	0 00	-3,054 00	400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
500 00	0 00	0 00	-2,954 00	500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
600 00	0 00	0 00	-2,854 00	600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
700 00	0 00	0 00	-2,754 00	700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
800 00	0 00	0 00	-2,654 00	800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
900 00	0 00	0 00	-2,554 00	900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,000 00	0 00	0 00	-2,454 00	1,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,100 00	0 00	0 00	-2,354 00	1,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,200 00	0 00	0 00	-2,254 00	1,200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,300 00	0 00	0 00	-2,154 00	1,300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,400 00	0 00	0 00	-2,054 00	1,400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,500 00	0 00	0 00	-1,954 00	1,500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,600 00	0 00	0 00	-1,854 00	1,600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,700 00	0 00	0 00	-1,754 00	1,700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,800 00	0 00	0 00	-1,654 00	1,800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
1,900 00	0 00	0 00	-1,554 00	1,900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
2,000 00	0 00	0 00	-1,454 00	2,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
2,100 00	0 00	0 00	-1,354 00	2,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
2,200 00	0 00	0 00	-1,254 00	2,200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
2,300 00	0 00	0 00	-1,154 00	2,300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
2,400 00	0 00	0 00	-1,054 00	2,400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
2,500 00	0 00	0 00	-954 00	2,500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		
2,600 00	0 00	0 00	-854 00	2,600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67		



Phoenix Technology Services
Devon Energy Inc



Company: Devon
Project: Lea County, NM (Nad83)
Site: Red Bull 31 State
Well: Red Bull 31 State 4H
Wellbore: Wellbore #1
Design: Plan #1 010612

Local Co-ordinate Reference: Well Red Bull 31 State 4H
TVD Reference: WELL @ 3454 00usft (Original Well Elev)
MD Reference: WELL @ 3454 00usft (Original Well Elev)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V Sec (usft)	DLeg (°/100usft)	North (usft)	East (usft)	North (usft)	East (usft)
2,700 00	0 00	0 00	-754 00	2,700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
2,800 00	0 00	0 00	-654 00	2,800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
2,900 00	0 00	0 00	-554 00	2,900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,000 00	0 00	0 00	-454 00	3,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,100 00	0 00	0 00	-354 00	3,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,200 00	0 00	0 00	-254 00	3,200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,300 00	0 00	0 00	-154 00	3,300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,400 00	0 00	0 00	-54 00	3,400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,500 00	0 00	0 00	46 00	3,500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,600 00	0 00	0 00	146 00	3,600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,700 00	0 00	0 00	246 00	3,700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,800 00	0 00	0 00	346 00	3,800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
3,900 00	0 00	0 00	446 00	3,900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,000 00	0 00	0 00	546 00	4,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,100 00	0 00	0 00	646 00	4,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,200 00	0 00	0 00	746 00	4,200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,300 00	0 00	0 00	846 00	4,300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,400 00	0 00	0 00	946 00	4,400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,500 00	0 00	0 00	1,046 00	4,500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,600 00	0 00	0 00	1,146 00	4,600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,700 00	0 00	0 00	1,246 00	4,700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,800 00	0 00	0 00	1,346 00	4,800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
4,900 00	0 00	0 00	1,446 00	4,900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
5,000 00	0 00	0 00	1,546 00	5,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
5,100 00	0 00	0 00	1,646 00	5,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
5,200 00	0 00	0 00	1,746 00	5,200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67
5,300 00	0 00	0 00	1,846 00	5,300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	462,234 90	830,015 67



Phoenix Technology Services
Devon Energy Inc



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
5,400 00	0 00	0 00	1,946 00	5,400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
5,500 00	0 00	0 00	2,046 00	5,500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
5,600 00	0 00	0 00	2,146 00	5,600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
5,700 00	0 00	0 00	2,246 00	5,700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
5,800 00	0 00	0 00	2,346 00	5,800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
5,900 00	0 00	0 00	2,446 00	5,900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,000 00	0 00	0 00	2,546 00	6,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,100 00	0 00	0 00	2,646 00	6,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,200 00	0 00	0 00	2,746 00	6,200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,300 00	0 00	0 00	2,846 00	6,300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,400 00	0 00	0 00	2,946 00	6,400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,500 00	0 00	0 00	3,046 00	6,500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,600 00	0 00	0 00	3,146 00	6,600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,700 00	0 00	0 00	3,246 00	6,700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,800 00	0 00	0 00	3,346 00	6,800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
6,900 00	0 00	0 00	3,446 00	6,900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,000 00	0 00	0 00	3,546 00	7,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,100 00	0 00	0 00	3,646 00	7,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,200 00	0 00	0 00	3,746 00	7,200 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,300 00	0 00	0 00	3,846 00	7,300 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,400 00	0 00	0 00	3,946 00	7,400 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,500 00	0 00	0 00	4,046 00	7,500 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,600 00	0 00	0 00	4,146 00	7,600 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,700 00	0 00	0 00	4,246 00	7,700 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,800 00	0 00	0 00	4,346 00	7,800 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
7,900 00	0 00	0 00	4,446 00	7,900 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67
8,000 00	0 00	0 00	4,546 00	8,000 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67



Phoenix Technology Services
Devon Energy Inc.



Company	Devon	Local Co-ordinate Reference:	Well Red Bull 31 State 4H
Project	Lea County, NM (Nad83)	TVD Reference:	WELL @ 3454 00usft (Original Well Elev)
Site	Red Bull 31 State	MD Reference:	WELL @ 3454 00usft (Original Well Elev)
Well	Red Bull 31 State 4H	North Reference:	Gnd
Wellbore	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design	Plan #1 010612	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V Sec (usft)	D Leg (°/100usft)	Northing (usft)	Easting (usft)	
8,100 00	0 00	0 00	4,646 00	8,100 00	0 00	0 00	0 00	0 00	462,234 90	830,015 67	
8,108 07	0 00	0 00	4,654 07	8,108 07	0 00	0 00	0 00	0 00	462,234 90	830,015 67	
Start Build 10.00											
8,200 00	9 19	179 44	4,745 61	8,199 61	-7 36	0 07	7 36	10 00	462,227 54	830,015 74	
8,300 00	19 19	179 44	4,842 43	8,296 43	-31 85	0 31	31 85	10 00	462,203 05	830,015 98	
8,400 00	29 19	179 44	4,933 53	8,387 53	-72 77	0 71	72 78	10 00	462,162 13	830,016 38	
8,500 00	39 19	179 44	5,016 14	8,470 14	-128 90	1 25	128 90	10 00	462,106 00	830,016 92	
8,600 00	49 19	179 44	5,087 75	8,541 75	-198 51	1 93	198 52	10 00	462,036 39	830,017 60	
8,700 00	59 19	179 44	5,146 18	8,600 18	-279 51	2 71	279 52	10 00	461,955 39	830,018 38	
8,800 00	69 19	179 44	5,189 66	8,643 66	-369 41	3 58	369 43	10 00	461,865 49	830,019 25	
8,900 00	79 19	179 44	5,216 87	8,670 87	-465 50	4 52	465 53	10 00	461,769 40	830,020 19	
9,000 00	89 19	179 44	5,226 97	8,680 97	-564 86	5 48	564 89	10 00	461,670 04	830,021 15	
9,010 97	90 29	179 44	5,227 02	8,681 02	-575 83	5 59	575 86	10 00	461,659 07	830,021 26	
Start 3955 61 hold at 9010 97 MD											
9,100 00	90 29	179 44	5,226 57	8,680 57	-664 85	6 45	664 89	0 00	461,570 05	830,022 12	
9,200 00	90 29	179 44	5,226 06	8,680 06	-764 85	7 42	764 88	0 00	461,470 05	830,023 09	
9,300 00	90 29	179 44	5,225 56	8,679 56	-864 84	8 39	864 88	0 00	461,370 06	830,024 06	
9,400 00	90 29	179 44	5,225 05	8,679 05	-964 84	9 36	964 88	0 00	461,270 06	830,025 03	
9,500 00	90 29	179 44	5,224 55	8,678 55	-1,064 83	10 33	1,064 88	0 00	461,170 07	830,026 00	
9,600 00	90 29	179 44	5,224 04	8,678 04	-1,164 82	11 30	1,164 88	0 00	461,070 08	830,026 97	
9,700 00	90 29	179 44	5,223 53	8,677 53	-1,264 82	12 27	1,264 88	0 00	460,970 08	830,027 94	
9,800 00	90 29	179 44	5,223 03	8,677 03	-1,364 81	13 24	1,364 88	0 00	460,870 09	830,028 91	
9,900 00	90 29	179 44	5,222 52	8,676 52	-1,464 81	14 21	1,464 88	0 00	460,770 09	830,029 88	
10,000 00	90 29	179 44	5,222 02	8,676 02	-1,564 80	15 18	1,564 87	0 00	460,670 10	830,030 85	
10,100 00	90 29	179 44	5,221 51	8,675 51	-1,664 79	16 15	1,664 87	0 00	460,570 11	830,031 82	
10,200 00	90 29	179 44	5,221 00	8,675 00	-1,764 79	17 12	1,764 87	0 00	460,470 11	830,032 79	
10,300 00	90 29	179 44	5,220 50	8,674 50	-1,864 78	18 09	1,864 87	0 00	460,370 12	830,033 76	



Phoenix Technology Services
Devon Energy Inc.



Company: Devon
Project: Lea County, NM (Nad83)
Site: Red Bull 31 State
Well: Red Bull 31 State 4H
Wellbore: Wellbore #1
Design: Plan #1 010612

Local Co-ordinate Reference: Well Red Bull 31 State 4H
TVD Reference: WELL @ 3454 00usft (Original Well Elev)
MD Reference: WELL @ 3454 00usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V Sec (usft)	D Leg (°/100usft)	Northings (usft)	Easting (usft)	
10,400 00	90 29	179 44	5,219 99	8,673 99	-1,964 78	19 06	1,964 87	0 00	460,270 12	830,034 73	
10,500 00	90 29	179 44	5,219 48	8,673 48	-2,064 77	20 03	2,064 87	0 00	460,170 13	830,035 70	
10,600 00	90 29	179 44	5,218 98	8,672 98	-2,164 77	21 00	2,164 87	0 00	460,070 13	830,036 67	
10,700 00	90 29	179 44	5,218 47	8,672 47	-2,264 76	21 97	2,264 87	0 00	459,970 14	830,037 64	
10,800 00	90 29	179 44	5,217 97	8,671 97	-2,364 75	22 94	2,364 86	0 00	459,870 15	830,038 61	
10,900 00	90 29	179 44	5,217 46	8,671 46	-2,464 75	23 91	2,464 86	0 00	459,770 15	830,039 58	
11,000 00	90 29	179 44	5,216 95	8,670 95	-2,564 74	24 88	2,564 86	0 00	459,670 16	830,040 55	
11,100 00	90 29	179 44	5,216 45	8,670 45	-2,664 74	25 85	2,664 86	0 00	459,570 16	830,041 52	
11,200 00	90 29	179 44	5,215 94	8,669 94	-2,764 73	26 82	2,764 86	0 00	459,470 17	830,042 49	
11,300 00	90 29	179 44	5,215 44	8,669 44	-2,864 72	27 79	2,864 86	0 00	459,370 18	830,043 46	
11,400 00	90 29	179 44	5,214 93	8,668 93	-2,964 72	28 76	2,964 86	0 00	459,270 18	830,044 43	
11,500 00	90 29	179 44	5,214 42	8,668 42	-3,064 71	29 73	3,064 86	0 00	459,170 19	830,045 40	
11,600 00	90 29	179 44	5,213 92	8,667 92	-3,164 71	30 70	3,164 85	0 00	459,070 19	830,046 37	
11,700 00	90 29	179 44	5,213 41	8,667 41	-3,264 70	31 67	3,264 85	0 00	458,970 20	830,047 34	
11,800 00	90 29	179 44	5,212 90	8,666 90	-3,364 69	32 64	3,364 85	0 00	458,870 21	830,048 31	
11,900 00	90 29	179 44	5,212 40	8,666 40	-3,464 69	33 61	3,464 85	0 00	458,770 21	830,049 28	
12,000 00	90 29	179 44	5,211 89	8,665 89	-3,564 68	34 58	3,564 85	0 00	458,670 22	830,050 25	
12,100 00	90 29	179 44	5,211 39	8,665 39	-3,664 68	35 55	3,664 85	0 00	458,570 22	830,051 22	
12,200 00	90 29	179 44	5,210 88	8,664 88	-3,764 67	36 52	3,764 85	0 00	458,470 23	830,052 19	
12,300 00	90 29	179 44	5,210 37	8,664 37	-3,864 66	37 48	3,864 85	0 00	458,370 24	830,053 15	
12,400 00	90 29	179 44	5,209 87	8,663 87	-3,964 66	38 45	3,964 84	0 00	458,270 24	830,054 12	
12,500 00	90 29	179 44	5,209 36	8,663 36	-4,064 65	39 42	4,064 84	0 00	458,170 25	830,055 09	
12,600 00	90 29	179 44	5,208 86	8,662 86	-4,164 65	40 39	4,164 84	0 00	458,070 25	830,056 06	
12,700 00	90 29	179 44	5,208 35	8,662 35	-4,264 64	41 36	4,264 84	0 00	457,970 26	830,057 03	
12,800 00	90 29	179 44	5,207 84	8,661 84	-4,364 63	42 33	4,364 84	0 00	457,870 27	830,058 00	
12,900 00	90 29	179 44	5,207 34	8,661 34	-4,464 63	43 30	4,464 84	0 00	457,770 27	830,058 97	



Phoenix Technology Services
Devon Energy Inc.



Company	Devon	Local Co-ordinate Reference:	Well Red Bull 31 State 4H
Project	Lea County, NM (Nad83)	TVD Reference:	WELL @ 3454 00usft (Original Well Elev)
Site	Red Bull 31 State	MD Reference:	WELL @ 3454 00usft (Original Well Elev)
Well	Red Bull 31 State 4H	North Reference:	Gnd
Wellbore	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design	Plan #1 010612	Database:	GCR DB v5000

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V-Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
12,966 58	90 29	179 44	5,207 00	8,661 00	-4,531 20	43 95	4,531 41	0 00	457,703 70	830,059 62
TD at 12966 58										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,108 07	8,108 07	0 00	0 00	Start Build 10 00
9,010 97	8,681 02	-575 83	5 59	Start 3955 61 hold at 9010 97 MD
12,966 58	8,661 00	-4,531 20	43 95	TD at 12966 58

Checked By	Approved By	Date
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