

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 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

RECEIVED

APR 26 2013

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 30-015-41293	² Pool Code 30216	³ Pool Name HAY HOLLOW Red Bluff, Bone Spring, NOR
⁴ Property Code 39861	⁵ Property Name TRANQUIL 13 STATE COM	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	
		⁶ Well Number 1H
		⁹ Elevation 3083.7

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	13	25 S	27 E		330	SOUTH	660	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

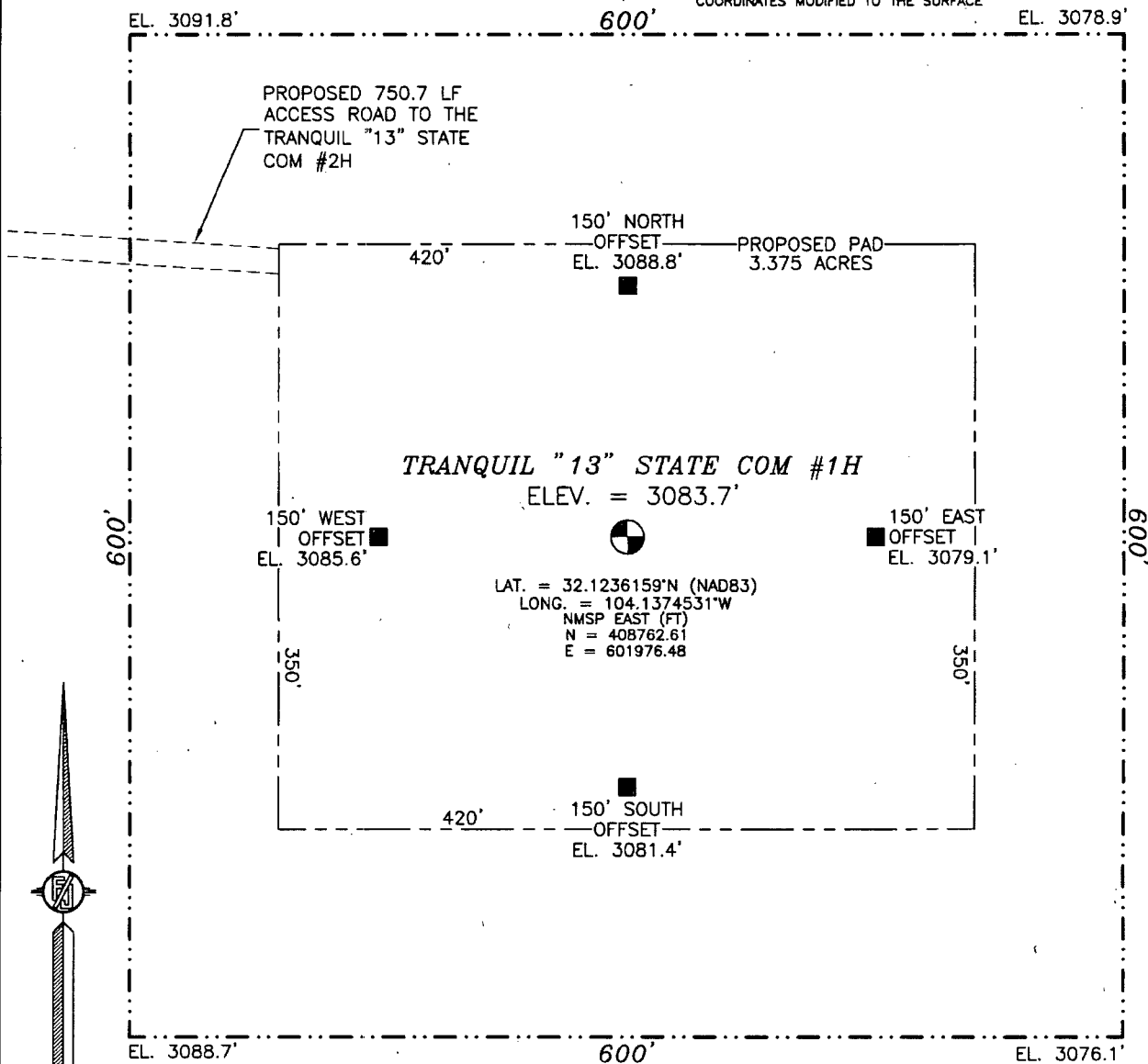
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	25 S	27 E		330	NORTH	660	EAST	EDDY
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.

N89°32'29"E 2650.32 FT NW CORNER SEC. 13 LAT. = 32.1372752°N LONG. = 104.1524547°W NMSP EAST (FT) N = 413723.42 E = 597324.06 W O CORNER SEC. 13 LAT. = 32.1299556°N LONG. = 104.1523855°W NMSP EAST (FT) N = 411060.76 E = 597349.94 SW CORNER SEC. 13 LAT. = 32.1226380°N LONG. = 104.1523184°W NMSP EAST (FT) N = 408398.82 E = 597375.20 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.		N O CORNER SEC. 13 LAT. = 32.1373210°N LONG. = 104.1438942°W NMSP EAST (FT) N = 413744.62 E = 599973.74 TRANQUIL "13" STATE COM #1H ELEV. = 3083.7' LAT. = 32.1236159°N (NAD83) LONG. = 104.1374531°W NMSP EAST (FT) N = 408762.61 E = 601976.48 S O CORNER SEC. 13 LAT. = 32.1226785°N LONG. = 104.1438307°W NMSP EAST (FT) N = 408418.08 E = 600002.77		N89°48'11"E 2641.09 FT NE CORNER SEC. 13 LAT. = 32.1373329°N LONG. = 104.1353633°W NMSP EAST (FT) N = 413753.70 E = 602614.26 E O CORNER SEC. 13 LAT. = 32.1300315°N LONG. = 104.1353473°W NMSP EAST (FT) N = 411097.62 E = 602624.09 SE CORNER SEC. 13 LAT. = 32.1227187°N LONG. = 104.1353179°W NMSP EAST (FT) N = 408437.44 E = 602638.09	
500°33'25"W 2663.34 FT 500°32'37"W 2662.62 FT		500°12'43"E 2656.65 FT 500°18'06"E 2660.78 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>Patti Riechers</i> 4/23/2013 Signature Date Patti Riechers, Regulatory Specialist Printed Name Patti.Riechers@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 22, 2013 Date of Survey <i>James Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number 12797 SURVEY NO. 1623					

SECTION 13, TOWNSHIP 25 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



LAT. = 32.1236159°N (NAD83)
LONG. = 104.1374531°W
NMSP EAST (FT)
N = 408762.61
E = 601976.48

010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 720 (BLACK RIVER VILLAGE) AND CR 774 (ROADRUNNER) GO SOUTHWEST ON CR 774 FOR APPROX. 6.0 MILES, GO SOUTHEAST APPROX. 0.1 OF A MILE, CONTINUE SOUTHEAST APPROX. 0.3 OF A MILE, GO EAST APPROX. 0.7 OF A MILE, GO SOUTH APPROX. 300 FT. TO BEGIN ROAD LATH. FOLLOW ROAD LATHS SOUTHEAST APPROX. 3000 FT. TO A ROAD PI APPROX. 45 FT. WEST OF HOLLY BPL. CONTINUE TO FOLLOW ROAD LATHS DOWN WEST SIDE OF PIPELINE R-O-W FOR APPROX. 1.5 MILES, FOLLOW ROAD LATHS EAST APPROX. 750 FT. TO NORTHWEST CORNER PAD. LOCATION IS APPROX. 267 FT. SOUTHEAST.

DEVON ENERGY PRODUCTION COMPANY, L.P.
TRANQUIL "13" STATE COM #1H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 25 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

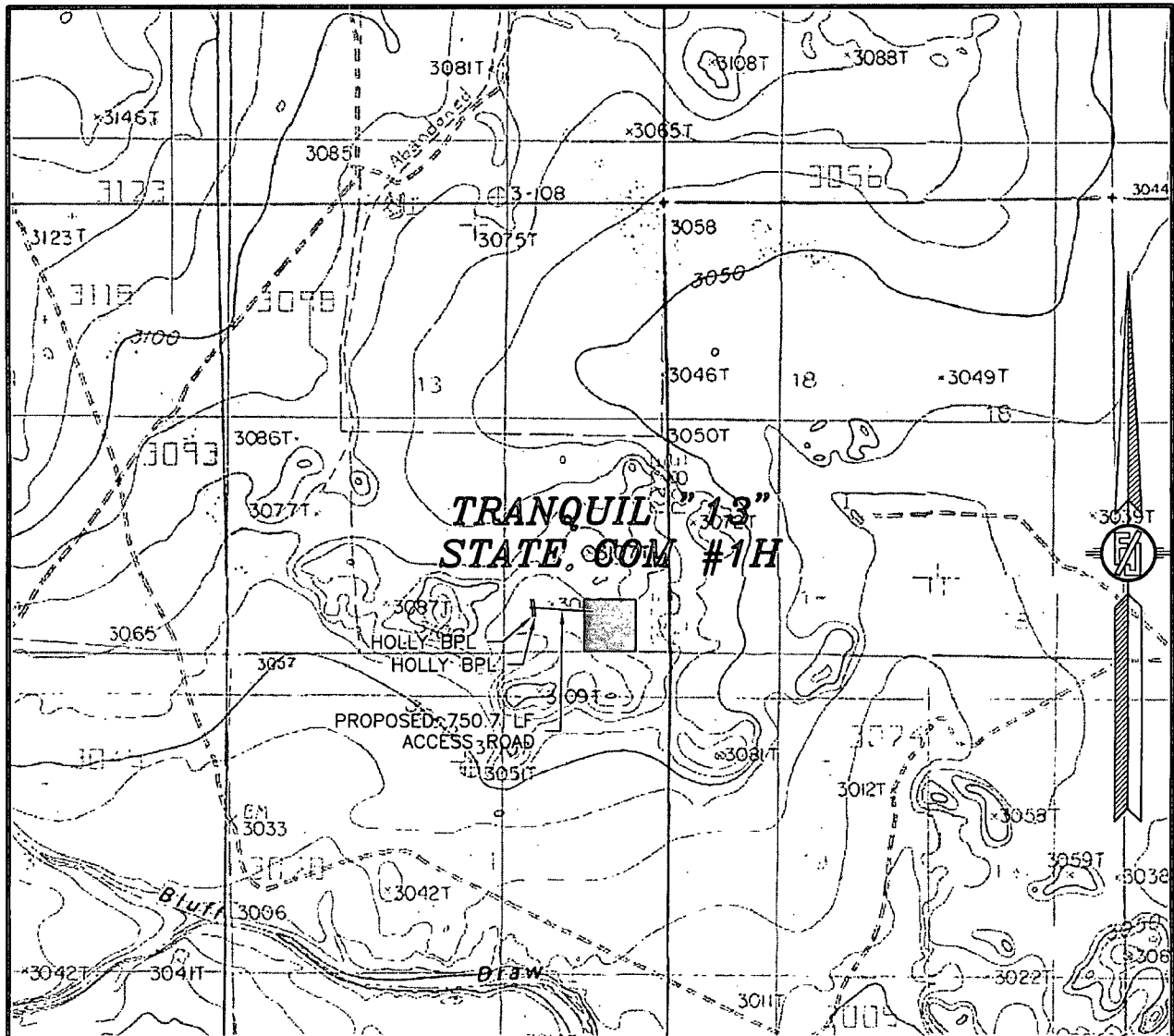
MARCH 22, 2013

SURVEY NO. 1623

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

CARLSBAD, NEW MEXICO

SECTION 13, TOWNSHIP 25 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
BOND DRAW

NOT TO SCALE

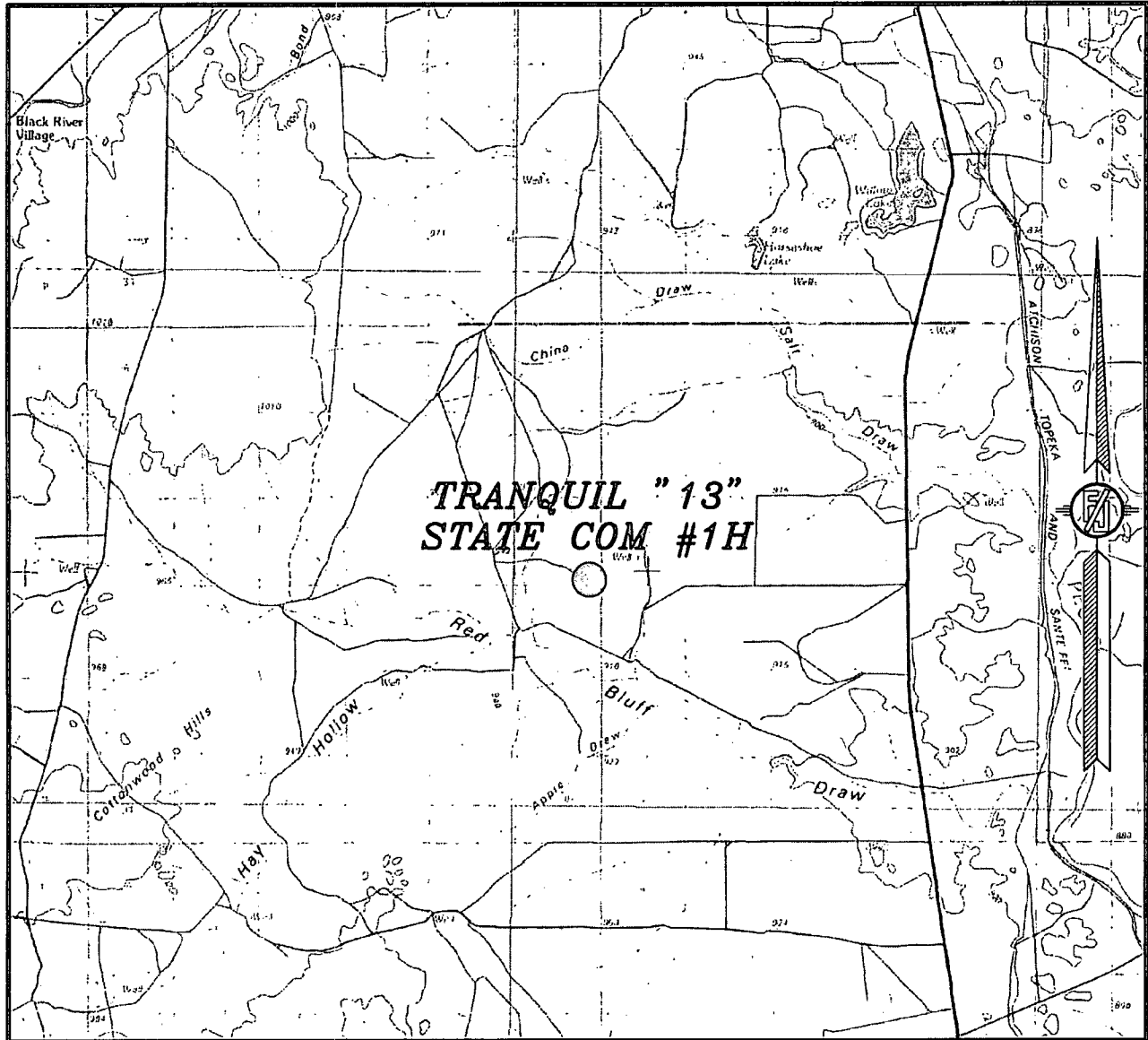
DEVON ENERGY PRODUCTION COMPANY, L.P.
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RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 22, 2013

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

SURVEY NO. 1623

SECTION 13, TOWNSHIP 25 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

TRANQUIL "13" STATE COM #1H

LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 25 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 22, 2013

SURVEY NO. 1623

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

SECTION 13, TOWNSHIP 25 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JANUARY 2013

DEVON ENERGY PRODUCTION COMPANY, L.P.
TRANQUIL "13" STATE COM #1H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 25 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 22, 2013

SURVEY NO. 1623

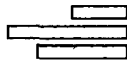
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341



Weatherford®

Drilling Services

Proposal



devon

TRANQUIL 13 STATE COM 1H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

APRIL 19, 2013

Weatherford International, Ltd.

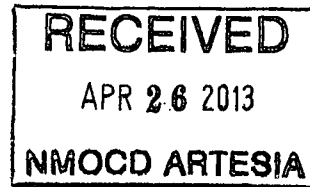
P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com

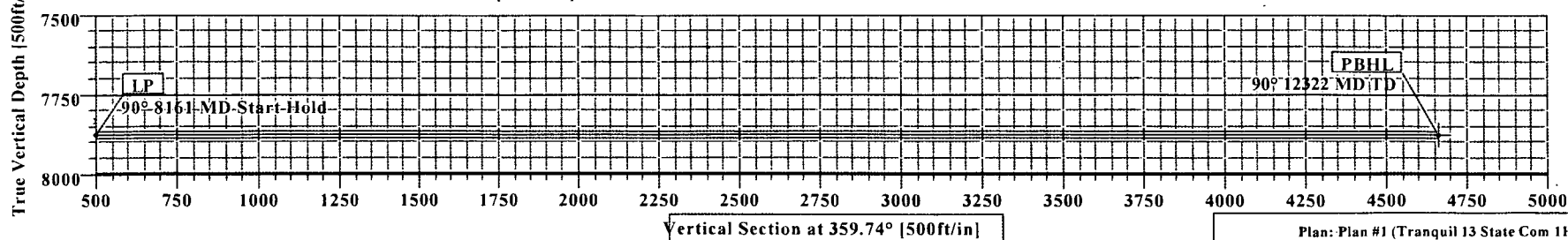
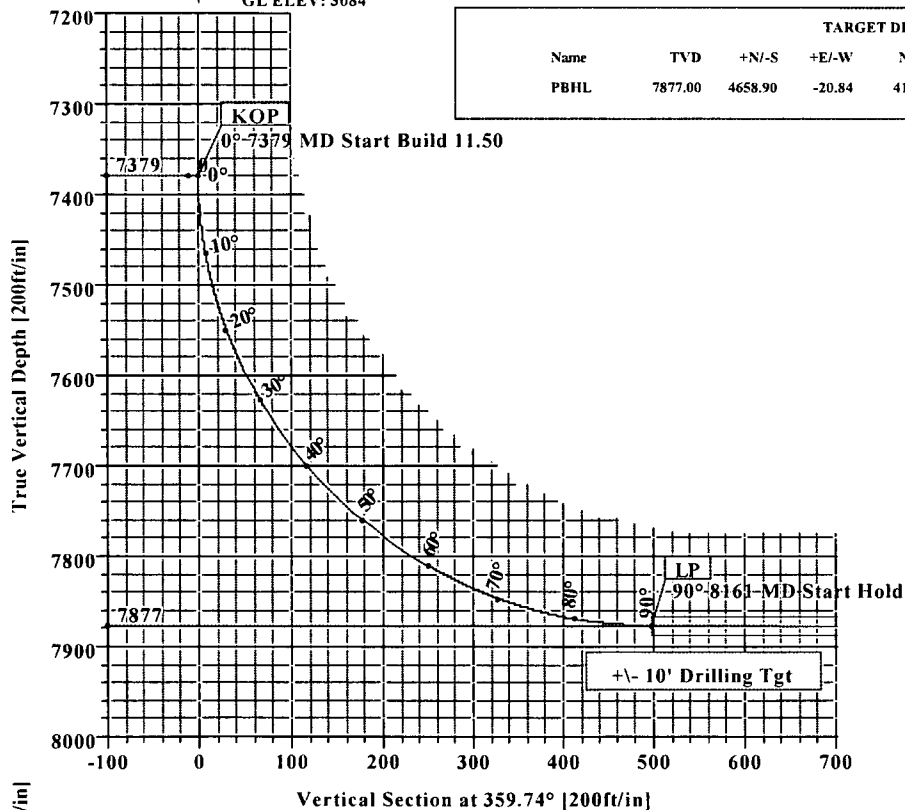




Tranquil 13 State Com 1H
Eddy Co., NM



KB ELEV: 3102
GL ELEV: 3084



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.74	0.00	0.00	0.00	0.00	0.00	0.00	
2	7378.78	0.00	359.74	7378.78	0.00	0.00	0.00	0.00	0.00	
3	8161.38	90.00	359.74	7877.00	498.22	-2.23	11.50	359.74	498.22	
4	12322.11	90.00	359.74	7877.00	4658.90	-20.84	0.00	0.00	4658.95	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Tranquil 13 State Com 1H	0.00	0.00	408762.61	601976.48	32°07'25.009N	104°08'14.845W	N/A

TARGET DETAILS

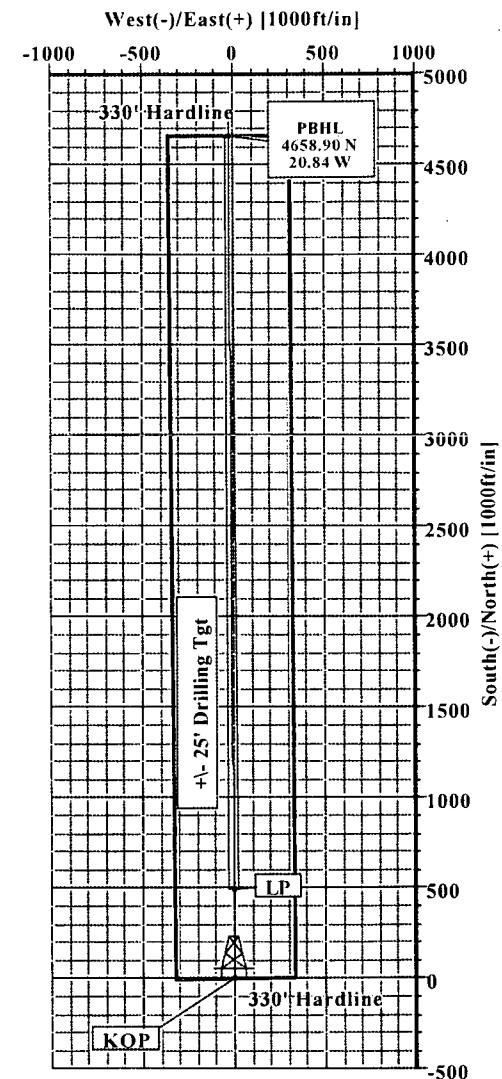
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7877.00	4658.90	-20.84	413421.51	601955.64	Rectangle (4160x50)

SITE DETAILS

Tranquil 13 State Com 1H
Site Centre Northing: 408762.61
Easting: 601976.48
Ground Level: 3084.00
Positional Uncertainty: 0.00
Convergence: 0.10



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Plan: Plan #1 (Tranquil 13 State Com 1H/1)

Created By: Russell W. Joyner

Date: 4/19/2013



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Wft Plan Report X Y's.



Company: Devon Energy		Date: 4/19/2013	Time: 09:08:40	Page: 1
Field: Eddy Co., NM (NAD 83)		Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 1H		
Site: Tranquil 13 State Com 1H		Vertical (TVD) Reference: SITE 3102.0		
Well: Tranquil 13 State Com 1H		Section (VS) Reference: Well (0.00N,0.00E,359.74Azi)		
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase		

Plan: Plan #1	Date Composed: 4/19/2013
Principal: Yes	Version: 1
	Tied-to: From Surface

Site: Tranquil 13 State Com 1H		
Site Position:	Northing: 408762.61 ft	Latitude: 32 7 25.009 N
From: Map	Easting: 601976.48 ft	Longitude: 104 8 14.845 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3084.00 ft		Grid Convergence: 0.10 deg

Well: Tranquil 13 State Com 1H		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 408762.61 ft	Latitude: 32 7 25.009 N	
+E/-W 0.00 ft	Easting: 601976.48 ft	Longitude: 104 8 14.845 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 3102.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 10/1/2013		Above System Datum: Mean Sea Level	
Field Strength: 48289 nT		Declination: 7.56 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 59.94 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	359.74

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	359.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7378.78	0.00	359.74	7378.78	0.00	0.00	0.00	0.00	0.00	0.00	
8161.38	90.00	359.74	7877.00	498.22	-2.23	11.50	11.50	0.00	359.74	
12322.11	90.00	359.74	7877.00	4658.90	-20.84	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
7300.00	0.00	359.74	7300.00	0.00	0.00	0.00	0.00	408762.61	601976.48	
7378.78	0.00	359.74	7378.78	0.00	0.00	0.00	0.00	408762.61	601976.48	KOP
7400.00	2.44	359.74	7399.99	0.45	0.00	0.45	11.50	408763.06	601976.48	
7500.00	13.94	359.74	7498.81	14.67	-0.07	14.68	11.50	408777.28	601976.41	
7600.00	25.44	359.74	7592.80	48.31	-0.22	48.31	11.50	408810.92	601976.26	
7700.00	36.94	359.74	7678.20	100.01	-0.45	100.01	11.50	408862.62	601976.03	
7800.00	48.44	359.74	7751.58	167.70	-0.75	167.71	11.50	408930.31	601975.73	
7900.00	59.94	359.74	7809.99	248.66	-1.11	248.67	11.50	409011.27	601975.37	
8000.00	71.44	359.74	7851.09	339.64	-1.52	339.65	11.50	409102.25	601974.96	
8100.00	82.94	359.74	7873.22	436.99	-1.95	436.99	11.50	409199.60	601974.53	
8161.38	90.00	359.74	7877.00	498.22	-2.23	498.22	11.50	409260.83	601974.25	LP
8200.00	90.00	359.74	7877.00	536.83	-2.40	536.84	0.00	409299.44	601974.08	
8300.00	90.00	359.74	7877.00	636.83	-2.85	636.84	0.00	409399.44	601973.63	
8400.00	90.00	359.74	7877.00	736.83	-3.30	736.84	0.00	409499.44	601973.18	
8500.00	90.00	359.74	7877.00	836.83	-3.74	836.84	0.00	409599.44	601972.74	
8600.00	90.00	359.74	7877.00	936.83	-4.19	936.84	0.00	409699.44	601972.29	
8700.00	90.00	359.74	7877.00	1036.83	-4.64	1036.84	0.00	409799.44	601971.84	
8800.00	90.00	359.74	7877.00	1136.83	-5.09	1136.84	0.00	409899.44	601971.39	
8900.00	90.00	359.74	7877.00	1236.83	-5.53	1236.84	0.00	409999.44	601970.95	
9000.00	90.00	359.74	7877.00	1336.83	-5.98	1336.84	0.00	410099.44	601970.50	
9100.00	90.00	359.74	7877.00	1436.83	-6.43	1436.84	0.00	410199.44	601970.05	
9200.00	90.00	359.74	7877.00	1536.82	-6.87	1536.84	0.00	410299.43	601969.61	
9300.00	90.00	359.74	7877.00	1636.82	-7.32	1636.84	0.00	410399.43	601969.16	



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Wft Plan Report X Y's.



Company: Devon Energy Date: 4/19/2013 Time: 09:08:40 Page: 2
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 1H
Site: Tranquil 13 State Com 1H Vertical (TVD) Reference: SITE 3102.0
Well: Tranquil 13 State Com 1H Section (VS) Reference: Well (0.00N,0.00E,359.74Azi)
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
9400.00	90.00	359.74	7877.00	1736.82	-7.77	1736.84	0.00	410499.43	601968.71	
9500.00	90.00	359.74	7877.00	1836.82	-8.22	1836.84	0.00	410599.43	601968.26	
9600.00	90.00	359.74	7877.00	1936.82	-8.66	1936.84	0.00	410699.43	601967.82	
9700.00	90.00	359.74	7877.00	2036.82	-9.11	2036.84	0.00	410799.43	601967.37	
9800.00	90.00	359.74	7877.00	2136.82	-9.56	2136.84	0.00	410899.43	601966.92	
9900.00	90.00	359.74	7877.00	2236.82	-10.01	2236.84	0.00	410999.43	601966.47	
10000.00	90.00	359.74	7877.00	2336.82	-10.45	2336.84	0.00	411099.43	601966.03	
10100.00	90.00	359.74	7877.00	2436.82	-10.90	2436.84	0.00	411199.43	601965.58	
10200.00	90.00	359.74	7877.00	2536.81	-11.35	2536.84	0.00	411299.42	601965.13	
10300.00	90.00	359.74	7877.00	2636.81	-11.79	2636.84	0.00	411399.42	601964.69	
10400.00	90.00	359.74	7877.00	2736.81	-12.24	2736.84	0.00	411499.42	601964.24	
10500.00	90.00	359.74	7877.00	2836.81	-12.69	2836.84	0.00	411599.42	601963.79	
10600.00	90.00	359.74	7877.00	2936.81	-13.14	2936.84	0.00	411699.42	601963.34	
10700.00	90.00	359.74	7877.00	3036.81	-13.58	3036.84	0.00	411799.42	601962.90	
10800.00	90.00	359.74	7877.00	3136.81	-14.03	3136.84	0.00	411899.42	601962.45	
10900.00	90.00	359.74	7877.00	3236.81	-14.48	3236.84	0.00	411999.42	601962.00	
11000.00	90.00	359.74	7877.00	3336.81	-14.93	3336.84	0.00	412099.42	601961.55	
11100.00	90.00	359.74	7877.00	3436.81	-15.37	3436.84	0.00	412199.42	601961.11	
11200.00	90.00	359.74	7877.00	3536.80	-15.82	3536.84	0.00	412299.41	601960.66	
11300.00	90.00	359.74	7877.00	3636.80	-16.27	3636.84	0.00	412399.41	601960.21	
11400.00	90.00	359.74	7877.00	3736.80	-16.72	3736.84	0.00	412499.41	601959.76	
11500.00	90.00	359.74	7877.00	3836.80	-17.16	3836.84	0.00	412599.41	601959.32	
11600.00	90.00	359.74	7877.00	3936.80	-17.61	3936.84	0.00	412699.41	601958.87	
11700.00	90.00	359.74	7877.00	4036.80	-18.06	4036.84	0.00	412799.41	601958.42	
11800.00	90.00	359.74	7877.00	4136.80	-18.50	4136.84	0.00	412899.41	601957.98	
11900.00	90.00	359.74	7877.00	4236.80	-18.95	4236.84	0.00	412999.41	601957.53	
12000.00	90.00	359.74	7877.00	4336.80	-19.40	4336.84	0.00	413099.41	601957.08	
12100.00	90.00	359.74	7877.00	4436.80	-19.85	4436.84	0.00	413199.41	601956.63	
12200.00	90.00	359.74	7877.00	4536.79	-20.29	4536.84	0.00	413299.40	601956.19	
12300.00	90.00	359.74	7877.00	4636.79	-20.74	4636.84	0.00	413399.40	601955.74	
12322.11	90.00	359.74	7877.00	4658.90	-20.84	4658.95	0.00	413421.51	601955.64	PBHL

Targets

Name	Description	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->			<--- Longitude --->				
	Dip.							Deg	Min	Sec	Deg	Min	Sec		
PBHL			7877.00	4658.90	-20.84	413421.51	601955.64	32	8	11.115	N	104	8	14.989	W
-Rectangle (4660x50)															

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford

Wft Plan Report X Y's.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Tranquil 13 State Com 1H
Well: Tranquil 13 State Com 1H
Wellpath: 1

Date: 4/19/2013 Time: 09:08:40 Page: 3
Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 1H
Vertical (TVD) Reference: SITE 3102.0
Section (VS) Reference: Well (0.00N,0.00E,359.74Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
7378.78	7378.78	KOP
8161.38	7877.00	LP
12322.10	7877.00	PBHL

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

GeoDec v5.03

Report Date: April 19, 2013
Job Number: _____
Customer: Devon
Well Name: Tranquil 13 State 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 408762.610 USFT	Latitude 32.1236159 DEG
East/West 601976.480 USFT	Longitude -104.1374531 DEG
Grid Convergence: .10°	
Total Correction: +7.55°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.12362° N	32° 7 min 25.017 sec
Longitude =	104.13745° W	104° 8 min 14.831 sec

Magnetic Declination =	7.65°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6835
Local Field Strength =	48224 nT	Magnetic Vector X = 23983 nT
Magnetic Dip =	59.88°	Magnetic Vector Y = 3220 nT
Magnetic Model =	bggm2012	Magnetic Vector Z = 41713 nT
Spud Date =	Dec 01, 2013	Magnetic Vector H = 24198 nT

Signed: _____

Date: _____

Permit Conditions of Approval

API: 30-015-41293

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.