

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: (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

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 30-015-41296	² Pool Code 30216	³ Pool Name Hay Hollow Red Bluff, Bone Spring, Nor
⁴ Property Code 39862	⁵ Property Name TRANQUIL 13 STATE	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	
		⁶ Well Number 4H
		⁹ Elevation 3095.3

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
D	13	25 S	27 E		330	NORTH	660	WEST	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
M	13	25 S	27 E		330	SOUTH	660	WEST	EDDY

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.

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 SURFACE LOCATION W O CORNER SEC. 13 LAT. = 32.1299556°N LONG. = 104.1523855°W NMSP EAST (FT) N = 411080.76 E = 597349.94 BOTTOM OF HOLE LAT. = 32.1235552°N LONG. = 104.1501952°W NMSP EAST (FT) N = 408733.57 E = 598031.90 SW CORNER SEC. 13 LAT. = 32.1226380°N LONG. = 104.1523184°W NMSP EAST (FT) N = 408398.82 E = 597375.20 S89°34'48"W 2628.18 FT		N89°48'11"E 2641.09 FT 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 #4H ELEV. = 3095.3 LAT. = 32.1363798°N (NAD83) LONG. = 104.1503145°W NMSP EAST (FT) N = 413398.80 E = 597987.05 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. S O CORNER SEC. 13 LAT. = 32.1226785°N LONG. = 104.1438307°W NMSP EAST (FT) N = 408418.08 E = 600002.77 S89°34'45"W 2635.95 FT		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 S89°34'45"W 2635.95 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.

Patti Riechers 4/25/13
Signature Date

Patti Riechers, Regulatory Specialist
Printed Name

Patti.Riechers@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.

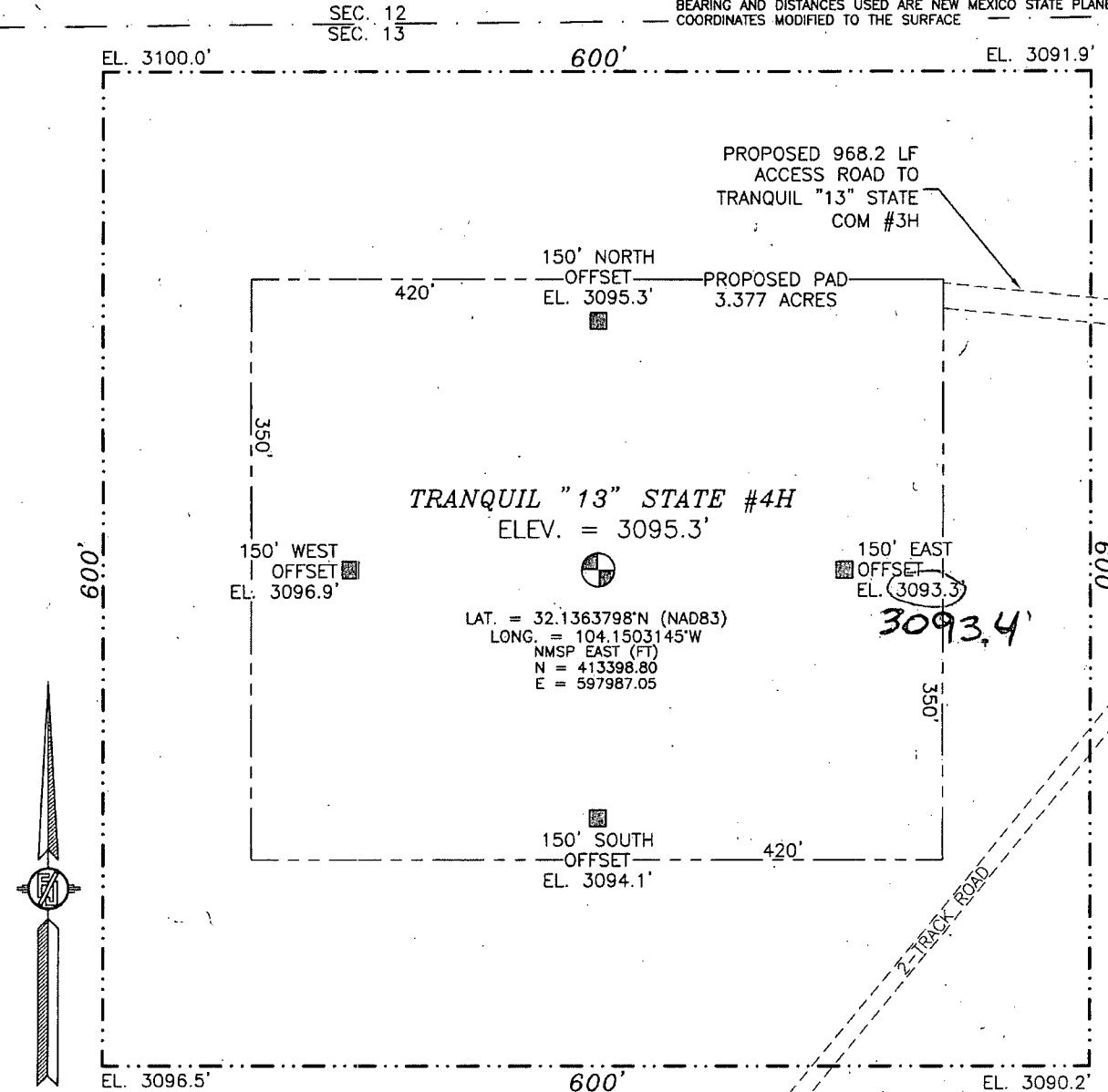
MARCH 26, 2013
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

Certificate Number: **12797**
SURVEY NO. 1626

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



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 PL LATH APPROX. 45 FT. WEST OF HOLLY BPL. CONTINUE TO FOLLOW LATHS DOWN WEST SIDE OF HOLLY BPL R-O-W FOR APPROX. 0.65 OF A MILE TO BEGIN ROAD LATH. FOLLOW ROAD LATHS SOUTHWEST APPROX. 1250 FT. TO SOUTHWEST CORNER OF TRANQUIL "13" STATE COM #3H PAD. FROM NORTHWEST CORNER PAD GO WEST APPROX. 970 FT. TO NORTHEAST CORNER OF PAD. LOCATION IS APPROX. 267 FT. SOUTHEAST.

DEVON ENERGY PRODUCTION COMPANY, L.P.

TRANQUIL "13" STATE #4H

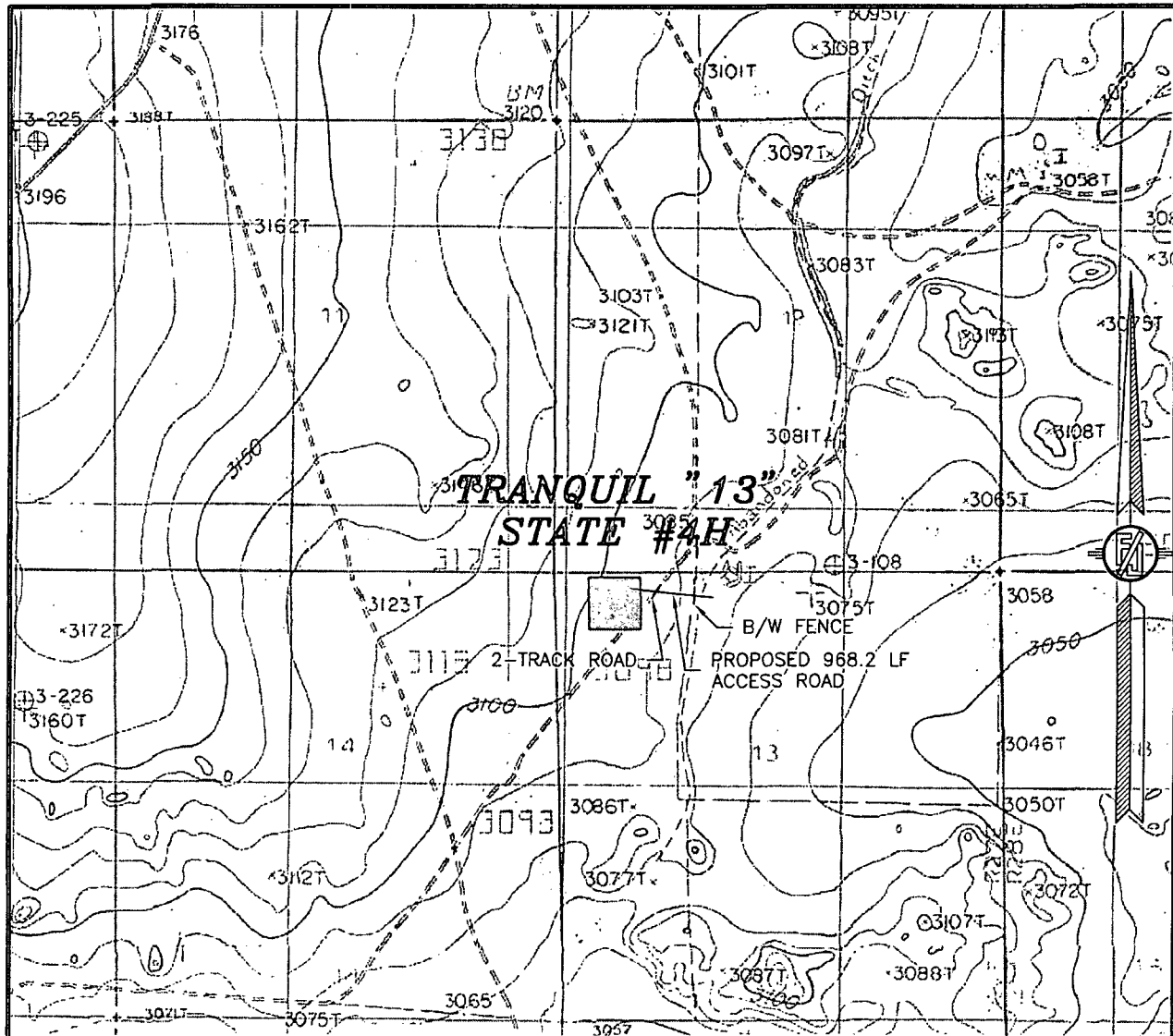
LOCATED 330 FT. FROM THE NORTH LINE
AND 660 FT. FROM THE WEST LINE OF
SECTION 13, TOWNSHIP 25 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 26, 2013

SURVEY NO. 1626

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.

TRANQUIL "13" STATE #4H

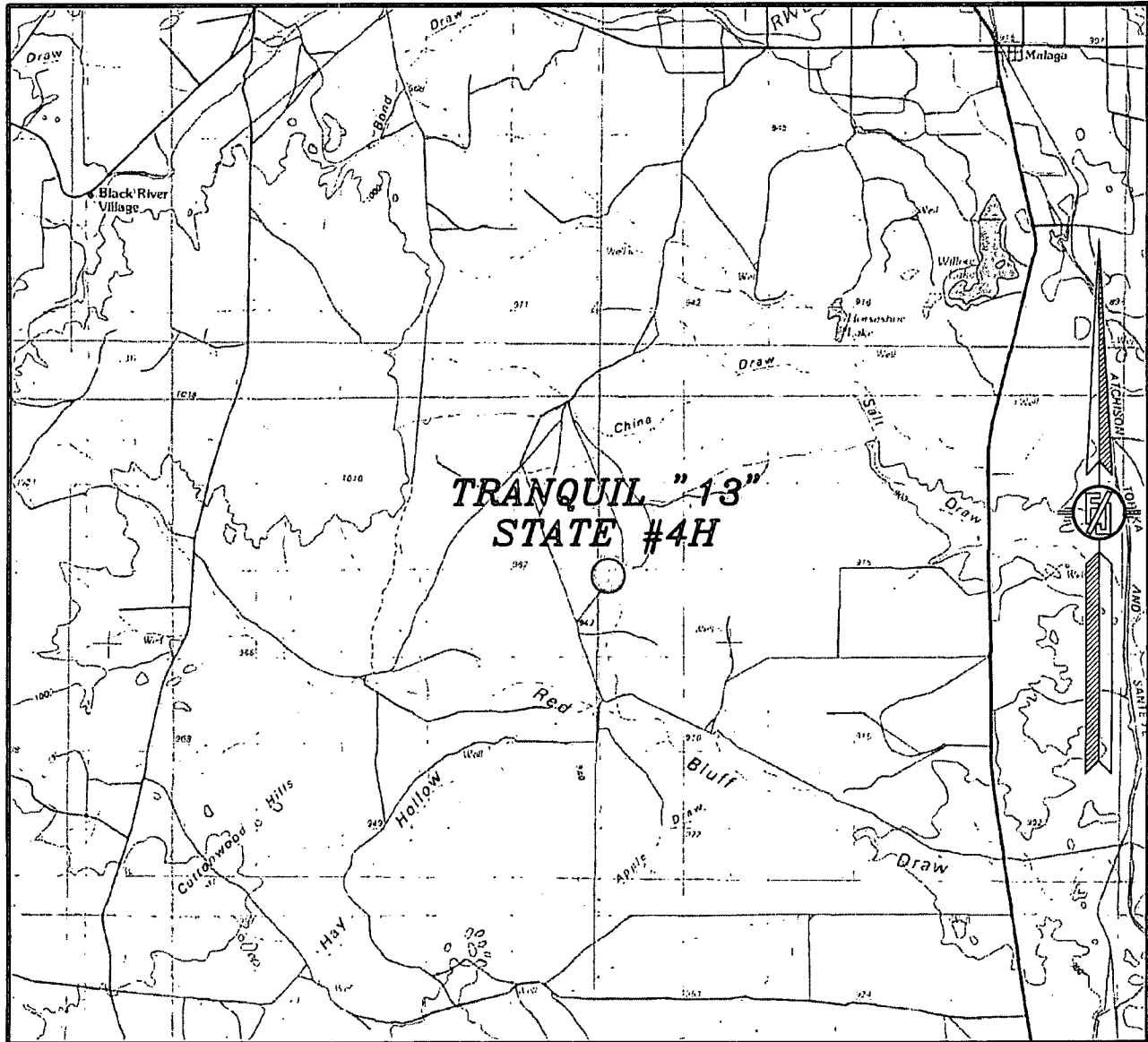
LOCATED 330 FT. FROM THE NORTH LINE
AND 660 FT. FROM THE WEST LINE OF
SECTION 13, TOWNSHIP 25 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 26, 2013

SURVEY NO. 1626

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
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

TRANQUIL "13" STATE #4H

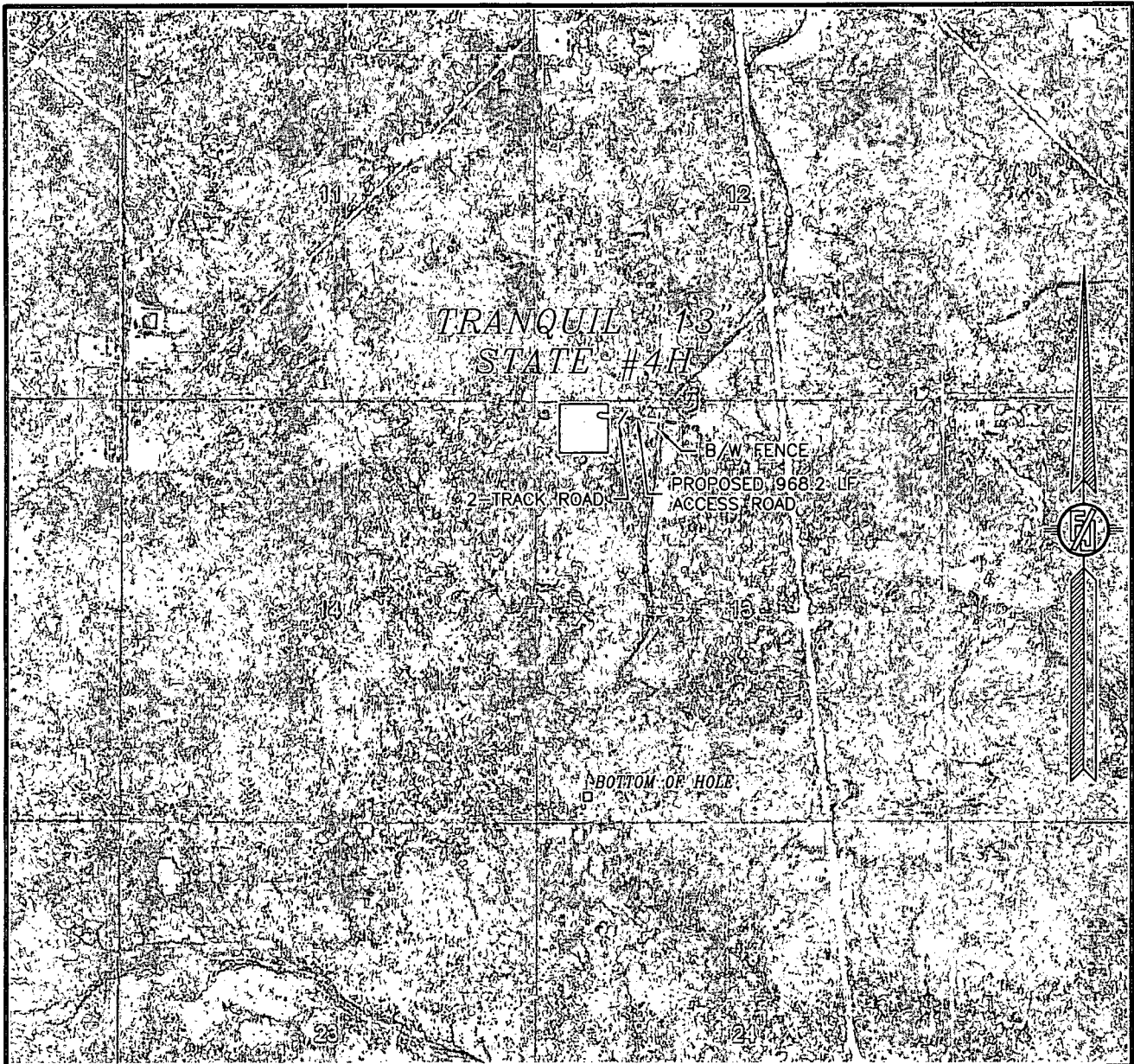
LOCATED 330 FT. FROM THE NORTH LINE
AND 660 FT. FROM THE WEST LINE OF
SECTION 13, TOWNSHIP 25 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 26, 2013

SURVEY NO. 1626

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 #4H

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

MARCH 26, 2013

SURVEY NO. 1626

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



Weatherford®

Drilling Services

Proposal



devon

TRANQUIL 13 STATE COM 4H

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

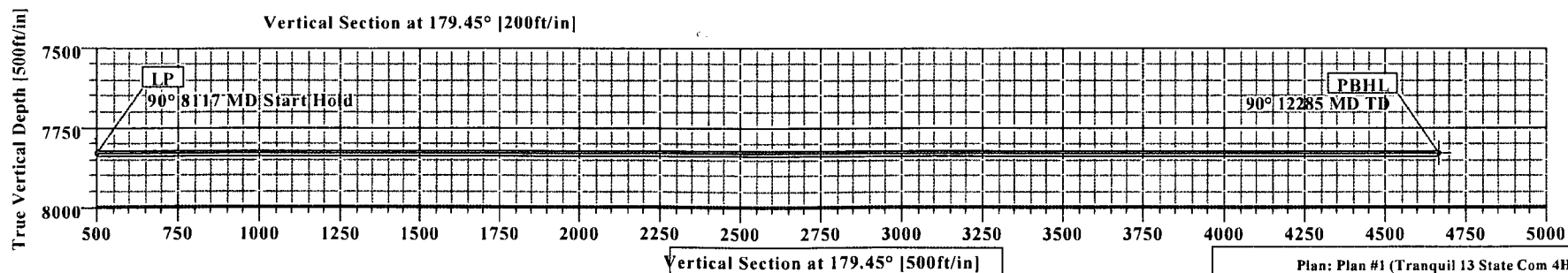
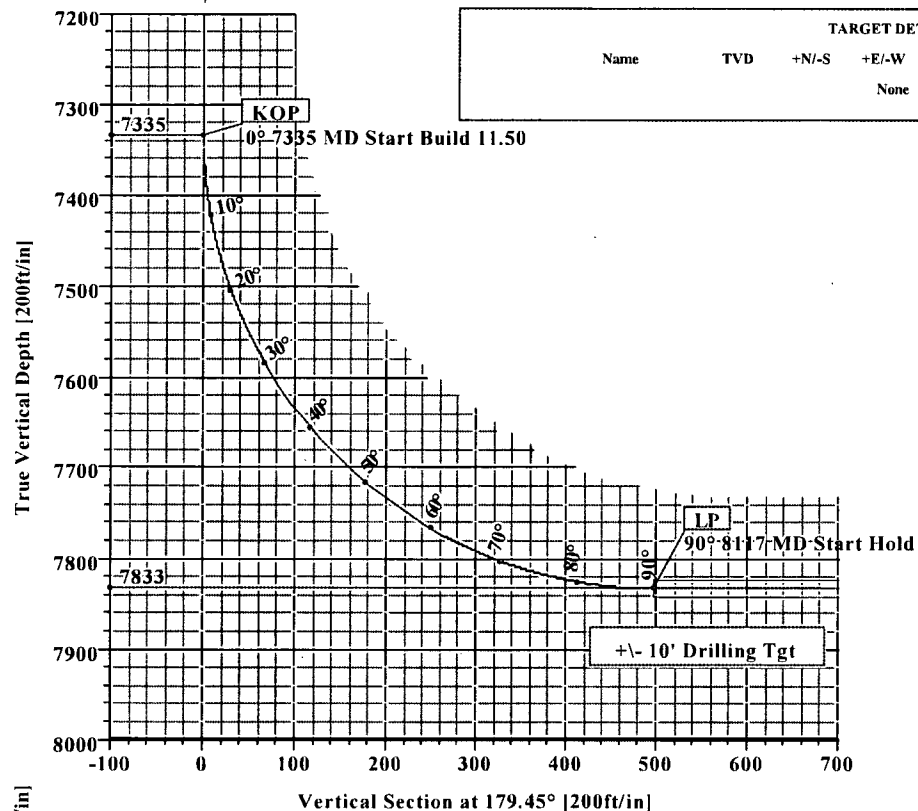
+1.432.561.8895 Fax

www.weatherford.com



Tranquil 13 State Com 4H
Eddy Co., NM

KB ELEV: 3113
GL ELEV: 3095

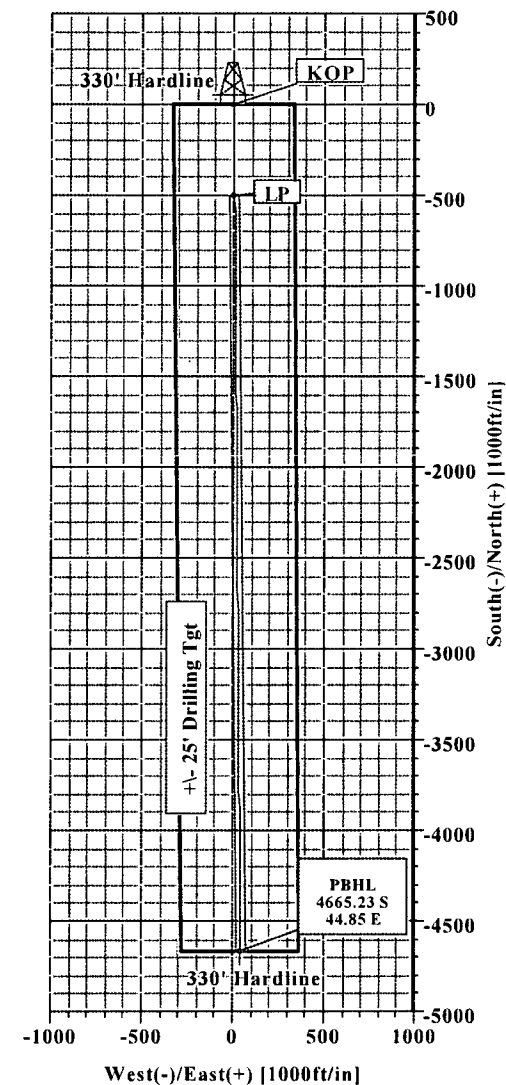


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	179.45	0.00	0.00	0.00	0.00	0.00	0.00	
2	7334.78	0.00	179.45	7334.78	0.00	0.00	0.00	0.00	0.00	
3	8117.38	90.00	179.45	7833.00	-498.20	44.85	11.50	179.45	498.22	
4	12284.61	90.00	179.45	7833.00	-4665.23	44.85	0.00	0.00	4665.45	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Tranquil 13 State Com 4H	0.00	0.00	413398.80	597987.05	32°08'10.959N	104°09'01.146W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
None						

SITE DETAILS	
Tranquil 13 State Com 4H	
Site Centre Northing:	413398.80
Easting:	597987.05
Ground Level:	3095.00
Positional Uncertainty:	0.00
Convergence:	0.10





Weatherford

Wft Plan Report X Y's.



Company: Devon Energy Date: 4/19/2013 Time: 10:02:41 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 4H
Site: Tranquil 13 State Com 4H Vertical (TVD) Reference: SITE 3113.0
Well: Tranquil 13 State Com 4H Section (VS) Reference: Well (0.00N,0.00E,179.45Azi)
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 4H

Site Position: Northing: 413398.80 ft Latitude: 32 8 10.959 N
From: Map Easting: 597987.05 ft Longitude: 104 9 1.146 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3095.00 ft Grid Convergence: 0.10 deg

Well: Tranquil 13 State Com 4H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 413398.80 ft Latitude: 32 8 10.959 N
+E/-W 0.00 ft Easting: 597987.05 ft Longitude: 104 9 1.146 W
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3113.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 12/1/2013 Above System Datum: Mean Sea Level
Field Strength: 48279 nT Declination: 7.54 deg
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 59.95 deg
ft ft +E/-W Direction
deg
0.00 0.00 0.00 179.45

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	179.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7334.78	0.00	179.45	7334.78	0.00	0.00	0.00	0.00	0.00	0.00	
8117.38	90.00	179.45	7833.00	-498.20	4.79	11.50	11.50	0.00	179.45	
12284.61	90.00	179.45	7833.00	-4665.23	44.85	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	179.45	7300.00	0.00	0.00	0.00	0.00	413398.80	597987.05	
7334.78	0.00	179.45	7334.78	0.00	0.00	0.00	0.00	413398.80	597987.05	KOP
7400.00	7.50	179.45	7399.81	-4.26	0.04	4.26	11.50	413394.54	597987.09	
7500.00	19.00	179.45	7496.99	-27.14	0.26	27.15	11.50	413371.66	597987.31	
7600.00	30.50	179.45	7587.65	-68.94	0.66	68.94	11.50	413329.86	597987.71	
7700.00	42.00	179.45	7668.16	-127.97	1.23	127.98	11.50	413270.83	597988.28	
7800.00	53.50	179.45	7735.28	-201.87	1.94	201.87	11.50	413196.93	597988.99	
7900.00	65.00	179.45	7786.32	-287.66	2.77	287.67	11.50	413111.14	597989.82	
8000.00	76.50	179.45	7819.24	-381.91	3.67	381.92	11.50	413016.89	597990.72	
8100.00	88.00	179.45	7832.70	-480.82	4.62	480.84	11.50	412917.98	597991.67	
8117.38	90.00	179.45	7833.00	-498.20	4.79	498.22	11.50	412900.60	597991.84	LP
8200.00	90.00	179.45	7833.00	-580.81	5.58	580.84	0.00	412817.99	597992.63	
8300.00	90.00	179.45	7833.00	-680.81	6.55	680.84	0.00	412717.99	597993.60	
8400.00	90.00	179.45	7833.00	-780.80	7.51	780.84	0.00	412618.00	597994.56	
8500.00	90.00	179.45	7833.00	-880.80	8.47	880.84	0.00	412518.00	597995.52	
8600.00	90.00	179.45	7833.00	-980.79	9.43	980.84	0.00	412418.01	597996.48	
8700.00	90.00	179.45	7833.00	-1080.79	10.39	1080.84	0.00	412318.01	597997.44	
8800.00	90.00	179.45	7833.00	-1180.79	11.35	1180.84	0.00	412218.01	597998.40	
8900.00	90.00	179.45	7833.00	-1280.78	12.31	1280.84	0.00	412118.02	597999.36	
9000.00	90.00	179.45	7833.00	-1380.78	13.27	1380.84	0.00	412018.02	598000.32	
9100.00	90.00	179.45	7833.00	-1480.77	14.24	1480.84	0.00	411918.03	598001.29	
9200.00	90.00	179.45	7833.00	-1580.77	15.20	1580.84	0.00	411818.03	598002.25	
9300.00	90.00	179.45	7833.00	-1680.76	16.16	1680.84	0.00	411718.04	598003.21	



Weatherford

Wft Plan Report X Y's.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Tranquil 13 State Com 4H
Well: Tranquil 13 State Com 4H
Wellpath: 1.

Date: 4/19/2013 Time: 10:02:41 Page: 2
Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 4H
Vertical (TVD) Reference: SITE 3113.0
Section (VS) Reference: Well (0.00N,0.00E,179.45Azi)
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	179.45	7833.00	-1780.76	17.12	1780.84	0.00	411618.04	598004.17	
9500.00	90.00	179.45	7833.00	-1880.75	18.08	1880.84	0.00	411518.05	598005.13	
9600.00	90.00	179.45	7833.00	-1980.75	19.04	1980.84	0.00	411418.05	598006.09	
9700.00	90.00	179.45	7833.00	-2080.74	20.00	2080.84	0.00	411318.06	598007.05	
9800.00	90.00	179.45	7833.00	-2180.74	20.96	2180.84	0.00	411218.06	598008.01	
9900.00	90.00	179.45	7833.00	-2280.73	21.93	2280.84	0.00	411118.07	598008.98	
10000.00	90.00	179.45	7833.00	-2380.73	22.89	2380.84	0.00	411018.07	598009.94	
10100.00	90.00	179.45	7833.00	-2480.73	23.85	2480.84	0.00	410918.07	598010.90	
10200.00	90.00	179.45	7833.00	-2580.72	24.81	2580.84	0.00	410818.08	598011.86	
10300.00	90.00	179.45	7833.00	-2680.72	25.77	2680.84	0.00	410718.08	598012.82	
10400.00	90.00	179.45	7833.00	-2780.71	26.73	2780.84	0.00	410618.09	598013.78	
10500.00	90.00	179.45	7833.00	-2880.71	27.69	2880.84	0.00	410518.09	598014.74	
10600.00	90.00	179.45	7833.00	-2980.70	28.66	2980.84	0.00	410418.10	598015.71	
10700.00	90.00	179.45	7833.00	-3080.70	29.62	3080.84	0.00	410318.10	598016.67	
10800.00	90.00	179.45	7833.00	-3180.69	30.58	3180.84	0.00	410218.11	598017.63	
10900.00	90.00	179.45	7833.00	-3280.69	31.54	3280.84	0.00	410118.11	598018.59	
11000.00	90.00	179.45	7833.00	-3380.68	32.50	3380.84	0.00	410018.12	598019.55	
11100.00	90.00	179.45	7833.00	-3480.68	33.46	3480.84	0.00	409918.12	598020.51	
11200.00	90.00	179.45	7833.00	-3580.67	34.42	3580.84	0.00	409818.13	598021.47	
11300.00	90.00	179.45	7833.00	-3680.67	35.38	3680.84	0.00	409718.13	598022.43	
11400.00	90.00	179.45	7833.00	-3780.66	36.35	3780.84	0.00	409618.14	598023.40	
11500.00	90.00	179.45	7833.00	-3880.66	37.31	3880.84	0.00	409518.14	598024.36	
11600.00	90.00	179.45	7833.00	-3980.66	38.27	3980.84	0.00	409418.14	598025.32	
11700.00	90.00	179.45	7833.00	-4080.65	39.23	4080.84	0.00	409318.15	598026.28	
11800.00	90.00	179.45	7833.00	-4180.65	40.19	4180.84	0.00	409218.15	598027.24	
11900.00	90.00	179.45	7833.00	-4280.64	41.15	4280.84	0.00	409118.16	598028.20	
12000.00	90.00	179.45	7833.00	-4380.64	42.11	4380.84	0.00	409018.16	598029.16	
12100.00	90.00	179.45	7833.00	-4480.63	43.08	4480.84	0.00	408918.17	598030.13	
12200.00	90.00	179.45	7833.00	-4580.63	44.04	4580.84	0.00	408818.17	598031.09	
12284.61	90.00	179.45	7833.00	-4665.23	44.85	4665.45	0.00	408733.57	598031.90	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->	<--- Longitude --->
PBHL -Rectangle (4167x50)			7833.00	-4665.23	44.85	408733.57	598031.90	32 7 24.790 N	104 9 0.717 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.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Tranquil 13 State Com 4H
Well: Tranquil 13 State Com 4H
Wellpath: 1

Date: 4/19/2013 Time: 10:02:41 Page: 3
Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 4H
Vertical (TVD) Reference: SITE 3113.0
Section (VS) Reference: Well (0.00N,0.00E,179.45Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
7334.78	7334.78	KOP
8117.38	7833.00	LP
12284.60	7833.00	PBHL

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

GeoDec v5.03

Report Date: April 19, 2013
Job Number: _____
Customer: Devon
Well Name: Tranquil 13 State Com 4H
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 413398.800 USFT	Latitude 32.1363798 DEG
East/West 597987.050 USFT	Longitude -104.1503145 DEG
Grid Convergence: .10°	
Total Correction: +7.55°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.13638° N	32° 8 min 10.967 sec
Longitude =	104.15031° W	104° 9 min 1.132 sec

Magnetic Declination =	7.65°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6835
Local Field Strength =	48230 nT	Magnetic Vector X = 23979 nT
Magnetic Dip =	59.89°	Magnetic Vector Y = 3222 nT
Magnetic Model =	bggm2012	Magnetic Vector Z = 41723 nT
Spud Date =	Dec 01, 2013	Magnetic Vector H = 24194 nT

Signed: _____

Date: _____

Permit Conditions of Approval

API: 30-0 15-41296

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