

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 Bruzos 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 30-015-41294	² Pool Code 30216	³ Pool Name HAY HOLLOW	Red Bluff, Bone Spring, NOIR
⁴ Property Code 39861	⁵ Property Name TRANQUIL 13 STATE COM		⁶ Well Number 2H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3082.0

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
O	13	25 S	27 E		330	SOUTH	1795	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
B	13	25 S	27 E		330	NORTH	1980	EAST	EDDY

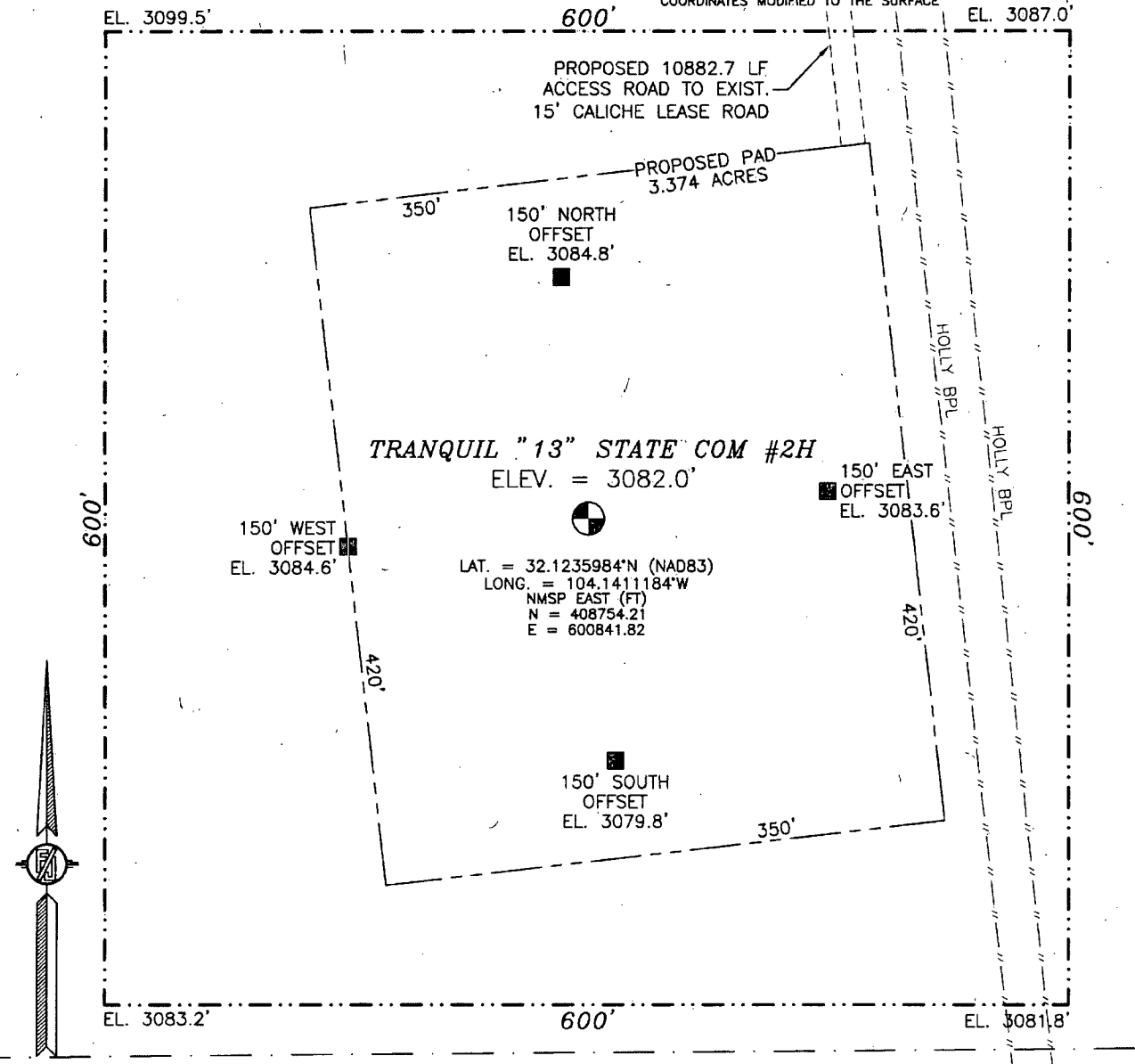
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160			

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 W Q 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.		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 NE CORNER SEC. 13 LAT. = 32.1373329°N LONG. = 104.1353633°W NMSP EAST (FT) N = 413753.70 E = 602614.26 E Q 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		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> 4/25/13 Signature Date Patti Riechers, Regulatory Specialist Printed Name Patti.Riechers@dvn.com E-mail Address
Bottom of Hole LAT. = 32.1364171°N LONG. = 104.1417566°W NMSP EAST (FT) N = 413416.97 E = 600635.95 TRANQUIL "13" STATE COM #2H ELEV. = 3082.0' LAT. = 32.1235984°N (NAD83) LONG. = 104.1411184°W NMSP EAST (FT) N = 408754.21 E = 600841.82		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 12797 Date of Survey REGISTERED LAND SURVEYOR Signature and Seal of Professional Surveyor: Certificate Number: FILMON F. JARAMILLO, PLS 12797 SURVEY NO. 1624		

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 APPROX. 3000 FT. TO A ROAD PI APPROX. 45 FT. WEST OF HOLLY BPL. CONTINUE TO FOLLOW ROAD LATHS DOWN WEST SIDE OF BPL R-O-W FOR APPROX. 1.5 MILES. LOCATION IS APPROX. 285 FT. SOUTHWEST.

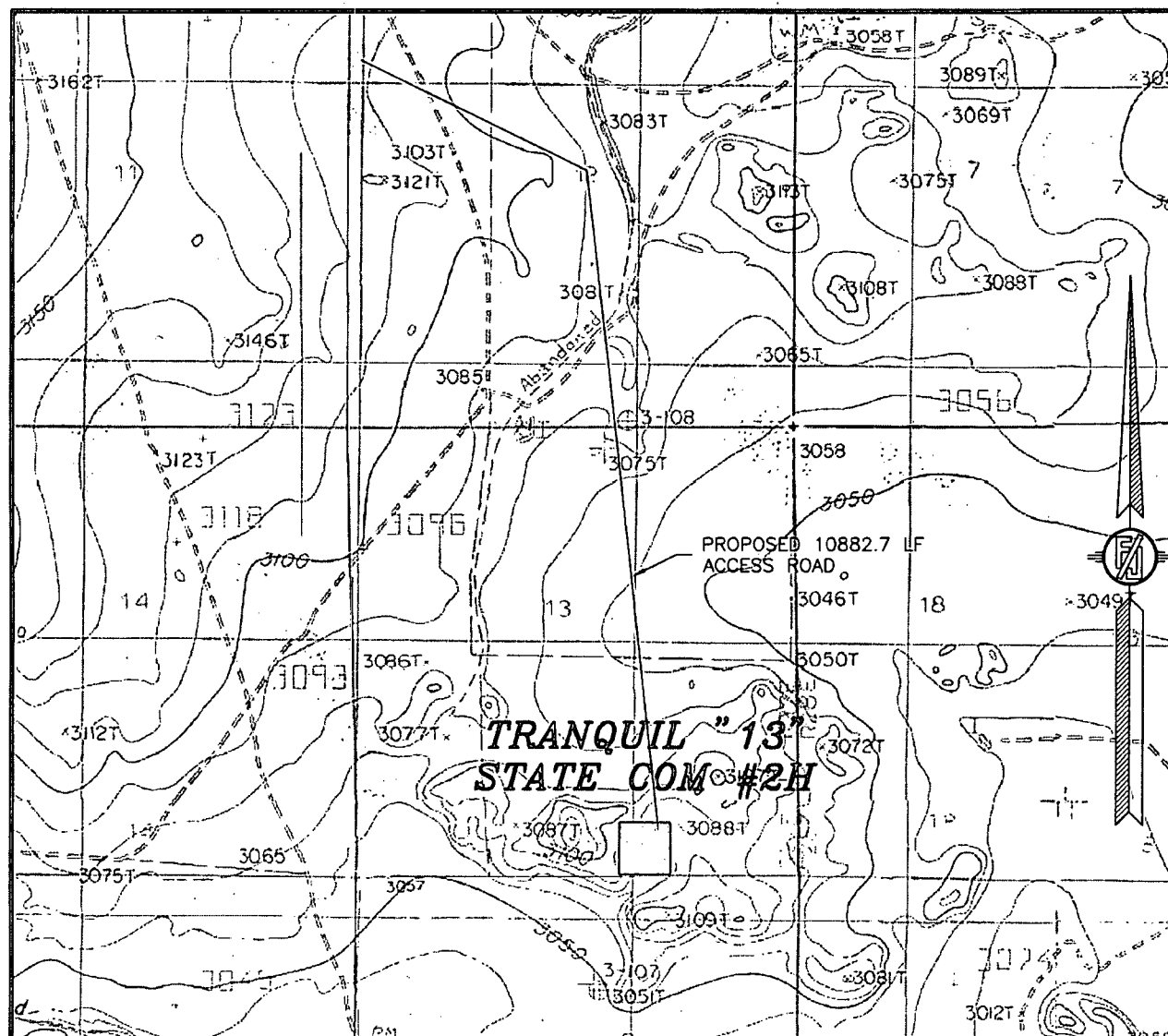
DEVON ENERGY PRODUCTION COMPANY, L.P.
TRANQUIL '13' STATE COM #2H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 1795 FT. FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 25 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 22, 2013

SURVEY NO. 1624

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
LOCATION VERIFICATION MAP



USGS QUAD MAP:
BOND DRAW

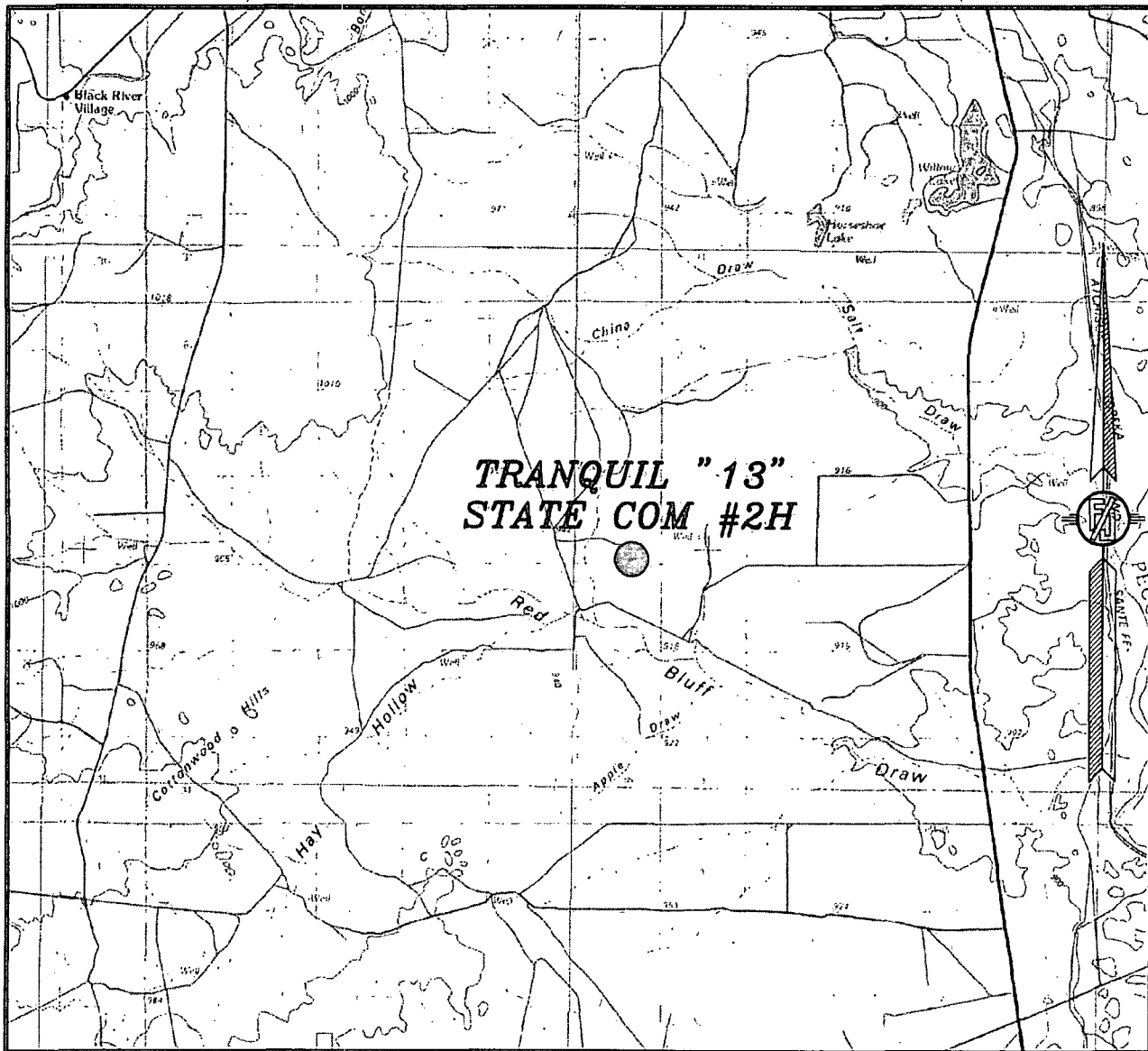
NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
TRANQUIL "13" STATE COM #2H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 1795 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

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO SURVEY NO. 1624

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 #2H

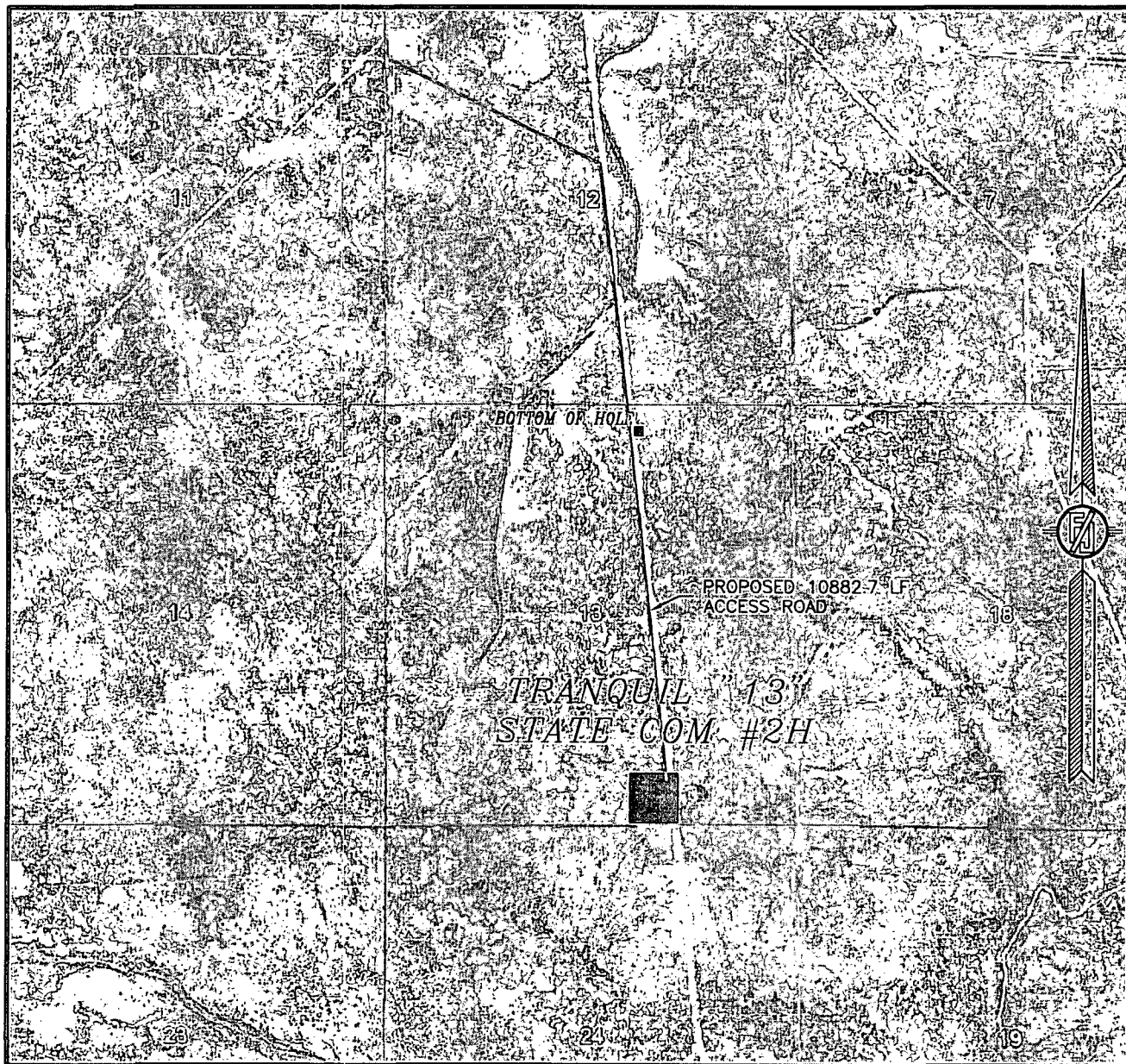
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EDDY COUNTY, STATE OF NEW MEXICO

MARCH 22, 2013

SURVEY NO. 1624

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
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JANUARY 2013

DEVON ENERGY PRODUCTION COMPANY, L.P.
TRANQUIL "13" STATE COM #2H
LOCATED 330 FT. FROM THE SOUTH LINE
AND 1795 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. 1624

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



Weatherford[®]

Drilling Services

Proposal



devon

TRANQUIL 13 STATE COM 2H

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

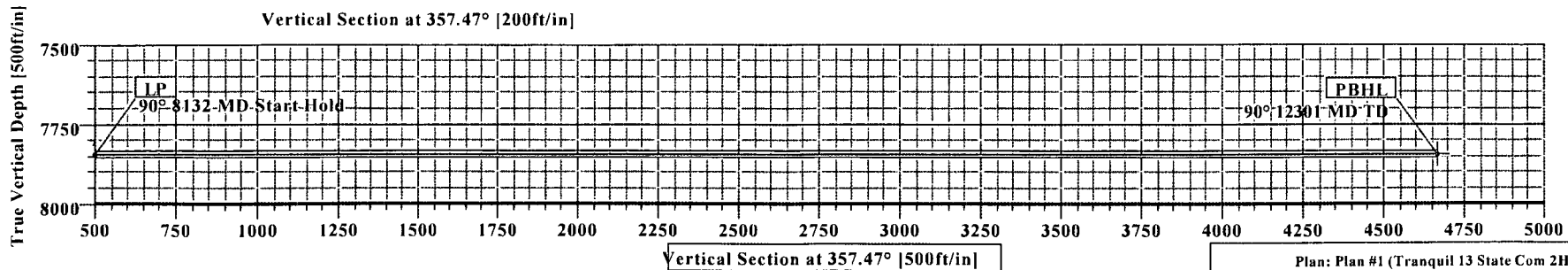
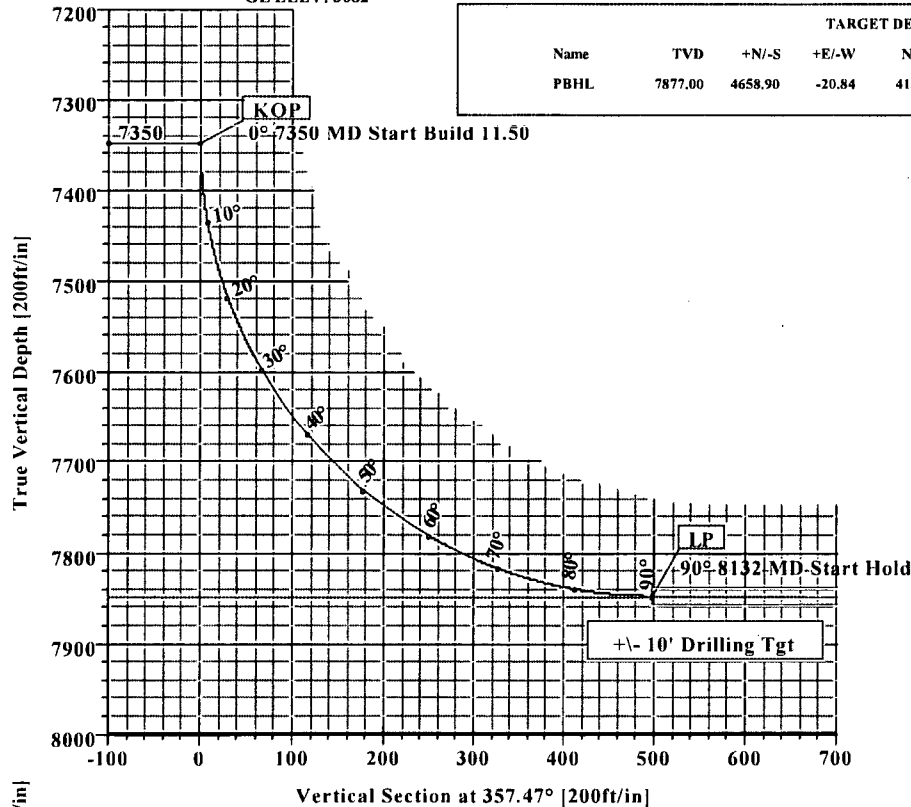
www.weatherford.com



Tranquil 13 State Com 2H Eddy Co., NM



KB ELEV: 3100
GL ELEV: 3082



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	357.47	0.00	0.00	0.00	0.00	0.00	0.00	
2	7349.78	0.00	357.47	7349.78	0.00	0.00	0.00	0.00	0.00	
3	8132.38	90.00	357.47	7848.00	497.74	-21.98	11.50	357.47	498.22	
4	12301.46	90.00	357.47	7848.00	4662.76	-205.87	0.00	0.00	4667.30	PBHL

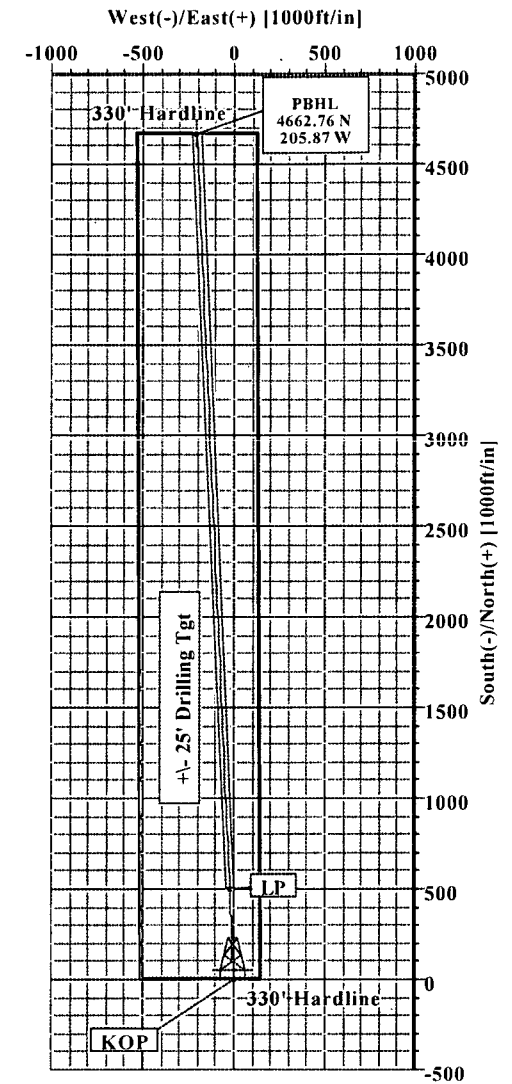
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Tranquil 13 State Com 2H	0.00	0.00	408754.21	600841.82	32°07'24.946N	104°08'28.040W	N/A

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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Wft Plan Report X Y's.

**Weatherford®**

Company: Devon Energy		Date: 4/19/2013	Time: 09:35:10	Page: 1
Field: Eddy Co., NM (NAD 83)		Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 2H		
Site: Tranquil 13 State Com 2H		Vertical (TVD) Reference: SITE 3100.0		
Well: Tranquil 13 State Com 2H		Section (VS) Reference: Well (0.00N,0.00E,357.47Azi)		
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 2H	
Site Position:	Northing: 408754.21 ft Latitude: 32 7 24.946 N
From: Map	Easting: 600841.82 ft Longitude: 104 8 28.040 W
Position Uncertainty: 0.00 ft	North Reference: Grid
Ground Level: 3082.00 ft	Grid Convergence: 0.10 deg

Well: Tranquil 13 State Com 2H		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 408754.21 ft	Latitude: 32 7 24.946 N	
+E/-W 0.00 ft	Easting: 600841.82 ft	Longitude: 104 8 28.040 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 3100.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 12/1/2013		Above System Datum: Mean Sea Level	
Field Strength: 48272 nT		Declination: 7.54 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	357.47

Plan Section Information											
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target	
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg		
0.00	0.00	357.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7349.78	0.00	357.47	7349.78	0.00	0.00	0.00	0.00	0.00	0.00		
8132.38	90.00	357.47	7848.00	497.74	-21.98	11.50	11.50	0.00	357.47		
12301.46	90.00	357.47	7848.00	4662.76	-205.87	0.00	0.00	0.00	0.00	PBHL	

Survey											
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment	
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft		
7300.00	0.00	357.47	7300.00	0.00	0.00	0.00	0.00	408754.21	600841.82		
7349.78	0.00	357.47	7349.78	0.00	0.00	0.00	0.00	408754.21	600841.82	KOP	
7400.00	5.78	357.47	7399.91	2.53	-0.11	2.53	11.50	408756.74	600841.71		
7500.00	17.28	357.47	7497.73	22.45	-0.99	22.48	11.50	408776.66	600840.83		
7600.00	28.78	357.47	7589.61	61.47	-2.71	61.53	11.50	408815.68	600839.11		
7700.00	40.28	357.47	7671.86	117.99	-5.21	118.11	11.50	408872.20	600836.61		
7800.00	51.78	357.47	7741.18	189.77	-8.38	189.95	11.50	408943.98	600833.44		
7900.00	63.28	357.47	7794.78	273.91	-12.09	274.17	11.50	409028.12	600829.73		
8000.00	74.78	357.47	7830.52	367.03	-16.21	367.39	11.50	409121.24	600825.61		
8100.00	86.28	357.47	7846.95	465.41	-20.55	465.86	11.50	409219.62	600821.27		
8132.38	90.00	357.47	7848.00	497.74	-21.98	498.22	11.50	409251.95	600819.84	LP	
8200.00	90.00	357.47	7848.00	565.29	-24.96	565.84	0.00	409319.50	600816.86		
8300.00	90.00	357.47	7848.00	665.19	-29.37	665.84	0.00	409419.40	600812.45		
8400.00	90.00	357.47	7848.00	765.09	-33.78	765.84	0.00	409519.30	600808.04		
8500.00	90.00	357.47	7848.00	865.00	-38.19	865.84	0.00	409619.21	600803.63		
8600.00	90.00	357.47	7848.00	964.90	-42.60	965.84	0.00	409719.11	600799.22		
8700.00	90.00	357.47	7848.00	1064.80	-47.01	1065.84	0.00	409819.01	600794.81		
8800.00	90.00	357.47	7848.00	1164.71	-51.42	1165.84	0.00	409918.92	600790.40		
8900.00	90.00	357.47	7848.00	1264.61	-55.83	1265.84	0.00	410018.82	600785.99		
9000.00	90.00	357.47	7848.00	1364.51	-60.25	1365.84	0.00	410118.72	600781.57		
9100.00	90.00	357.47	7848.00	1464.41	-64.66	1465.84	0.00	410218.62	600777.16		
9200.00	90.00	357.47	7848.00	1564.32	-69.07	1565.84	0.00	410318.53	600772.75		
9300.00	90.00	357.47	7848.00	1664.22	-73.48	1665.84	0.00	410418.43	600768.34		



Weatherford

Wft Plan Report X Y's.



Company: Devon Energy Date: 4/19/2013 Time: 09:35:10 Page: 2
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 2H
Site: Tranquil 13 State Com 2H Vertical (TVD) Reference: SITE 3100.0
Well: Tranquil 13 State Com 2H Section (VS) Reference: Well (0.00N,0.00E,357.47Azi)
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	357.47	7848.00	1764.12	-77.89	1765.84	0.00	410518.33	600763.93	
9500.00	90.00	357.47	7848.00	1864.02	-82.30	1865.84	0.00	410618.23	600759.52	
9600.00	90.00	357.47	7848.00	1963.93	-86.71	1965.84	0.00	410718.14	600755.11	
9700.00	90.00	357.47	7848.00	2063.83	-91.12	2065.84	0.00	410818.04	600750.70	
9800.00	90.00	357.47	7848.00	2163.73	-95.53	2165.84	0.00	410917.94	600746.29	
9900.00	90.00	357.47	7848.00	2263.63	-99.94	2265.84	0.00	411017.84	600741.88	
10000.00	90.00	357.47	7848.00	2363.54	-104.35	2365.84	0.00	411117.75	600737.47	
10100.00	90.00	357.47	7848.00	2463.44	-108.77	2465.84	0.00	411217.65	600733.05	
10200.00	90.00	357.47	7848.00	2563.34	-113.18	2565.84	0.00	411317.55	600728.64	
10300.00	90.00	357.47	7848.00	2663.25	-117.59	2665.84	0.00	411417.46	600724.23	
10400.00	90.00	357.47	7848.00	2763.15	-122.00	2765.84	0.00	411517.36	600719.82	
10500.00	90.00	357.47	7848.00	2863.05	-126.41	2865.84	0.00	411617.26	600715.41	
10600.00	90.00	357.47	7848.00	2962.95	-130.82	2965.84	0.00	411717.16	600711.00	
10700.00	90.00	357.47	7848.00	3062.86	-135.23	3065.84	0.00	411817.07	600706.59	
10800.00	90.00	357.47	7848.00	3162.76	-139.64	3165.84	0.00	411916.97	600702.18	
10900.00	90.00	357.47	7848.00	3262.66	-144.05	3265.84	0.00	412016.87	600697.77	
11000.00	90.00	357.47	7848.00	3362.56	-148.46	3365.84	0.00	412116.77	600693.36	
11100.00	90.00	357.47	7848.00	3462.47	-152.87	3465.84	0.00	412216.68	600688.95	
11200.00	90.00	357.47	7848.00	3562.37	-157.29	3565.84	0.00	412316.58	600684.53	
11300.00	90.00	357.47	7848.00	3662.27	-161.70	3665.84	0.00	412416.48	600680.12	
11400.00	90.00	357.47	7848.00	3762.17	-166.11	3765.84	0.00	412516.38	600675.71	
11500.00	90.00	357.47	7848.00	3862.08	-170.52	3865.84	0.00	412616.29	600671.30	
11600.00	90.00	357.47	7848.00	3961.98	-174.93	3965.84	0.00	412716.19	600666.89	
11700.00	90.00	357.47	7848.00	4061.88	-179.34	4065.84	0.00	412816.09	600662.48	
11800.00	90.00	357.47	7848.00	4161.79	-183.75	4165.84	0.00	412916.00	600658.07	
11900.00	90.00	357.47	7848.00	4261.69	-188.16	4265.84	0.00	413015.90	600653.66	
12000.00	90.00	357.47	7848.00	4361.59	-192.57	4365.84	0.00	413115.80	600649.25	
12100.00	90.00	357.47	7848.00	4461.49	-196.98	4465.84	0.00	413215.70	600644.84	
12200.00	90.00	357.47	7848.00	4561.40	-201.39	4565.84	0.00	413315.61	600640.43	
12300.00	90.00	357.47	7848.00	4661.30	-205.81	4665.84	0.00	413415.51	600636.01	
12301.46	90.00	357.47	7848.00	4662.76	-205.87	4667.30	0.00	413416.97	600635.95	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----><--- Longitude --->		
PBHL -Rectangle (4170x50)		7848.00	4662.76	-205.87	413416.97	600635.95	32	8 11.093 N	104 8 30.338 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 2H
Well: Tranquil 13 State Com 2H
Wellpath: 1

Date: 4/19/2013 Time: 09:35:10 Page: 3
Co-ordinate(NE) Reference: Well: Tranquil 13 State Com 2H
Vertical (TVD) Reference: SITE 3100.0
Section (VS) Reference: Well (0.00N,0.00E,357.47Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
7349.78	7349.78	KOP
8132.38	7848.00	LP
12301.46	7848.00	PBHL

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

GeoDec v5.03

Report Date: April 19, 2013

Job Number: _____

Customer: Devon

Well Name: Tranquil 13 State Com 2H

API Number: _____

Rig Name: _____

Location: Eddy Co., NM

Block: _____

Engineer: RWJ

US State Plane 1983

System: New Mexico Eastern Zone

Projection: Transverse Mercator/Gauss Kruger

Datum: North American Datum 1983

Ellipsoid: GRS 1980

North/South 408754.210 USFT

East/West 600841.820 USFT

Grid Convergence: .10°

Total Correction: +7.55°

Geodetic Latitude / Longitude

System: Latitude / Longitude

Projection: Geodetic Latitude and Longitude

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Latitude 32.1235984 DEG

Longitude -104.141184 DEG

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.12360° N 32° 7 min 24.954 sec

Longitude = 104.14112° W 104° 8 min 28.026 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 =

3221 nT

Magnetic Model =

bggm2012

Magnetic Vector Z =

41713 nT

Spud Date =

Dec 01, 2013

Magnetic Vector H =

24199 nT

Signed: _____

Date: _____

Permit Conditions of Approval

API: 30-015-41294

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