

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
1008 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 30-025-42636	² Pool Code 97929	³ Pool Name WC-025 G-06 S213326D; BONE SPRING
⁴ Property Code 318156	⁵ Property Name BATTLE 34 FEDERAL	
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁶ Well Number 4H
		⁹ Elevation 3671'

¹⁰ Surface Location

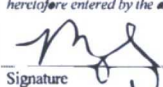
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	27	T21S	R33E		191'	SOUTH	960'	WEST	LEA

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
M	34	T21S	R33E		249'	SOUTH	943'	WEST	LEA

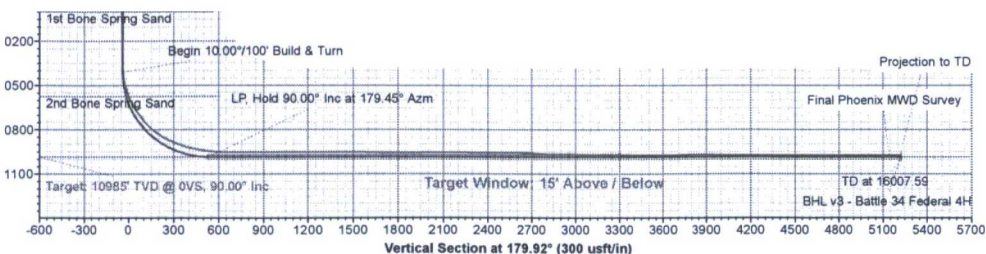
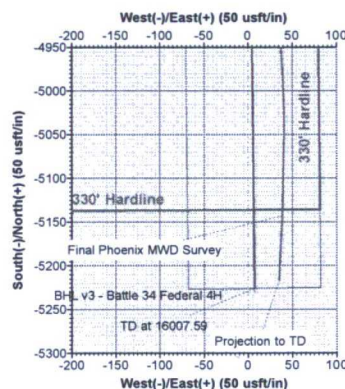
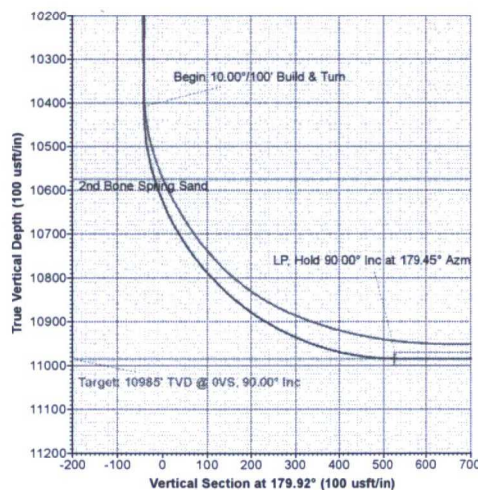
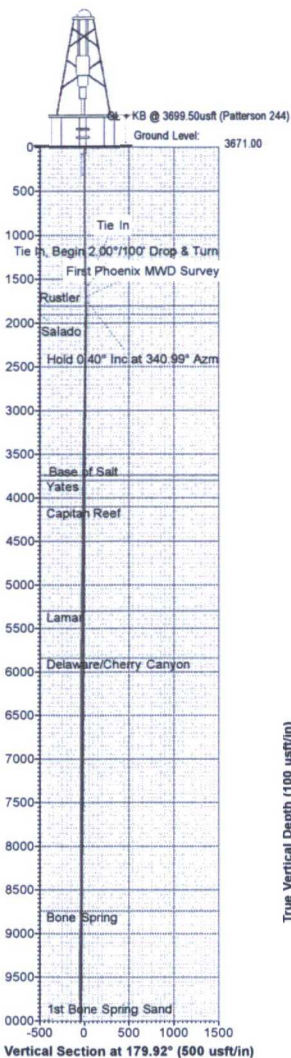
¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 777152.92' / Y: 525583.75' B - X: 778475.85' / Y: 525591.57' C - X: 778526.54' / Y: 520316.19' D - X: 777205.87' / Y: 520309.53'		CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 735970.75' / Y: 525522.66' B - X: 737293.66' / Y: 525530.47' C - X: 737344.23' / Y: 520255.25' D - X: 736023.57' / Y: 520248.59'		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 Date 04/13/2018 Printed Name Melissa Szudera E-mail Address mszudera@marathonoil.com	
SECTION 28 SECTION 33 960' 923' 191' 330' FIRST TAKE POINT 581' MEASURED DEPTH = 12,077' 330' PRODUCING AREA 330' LAST TAKE POINT 948' 943' SECTION 33 SECTION 4 249'		SECTION 27 SECTION 34 SURFACE HOLE LOCATION 191' FSL 960' FWL NAD 83, SPCS NM EAST X: 778111.84' / Y: 525780.52' LAT: 32.44309700N / LON: 103.56581148W NAD 27, SPCS NM EAST X: 736929.66' / Y: 525719.42' LAT: 32.44297366N / LON: 103.56532560W FIRST TAKE POINT 11,255 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 778079.52' / Y: 525259.03' LAT: 32.44166428N / LON: 103.56592837W NAD 27, SPCS NM EAST X: 736897.34' / Y: 525197.92' LAT: 32.44154093N / LON: 103.56544253W LAST TAKE POINT 15,872 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 778150.60' / Y: 520644.30' LAT: 32.42897898N / LON: 103.56580545W NAD 27, SPCS NM EAST X: 736968.32' / Y: 520583.33' LAT: 32.42885561N / LON: 103.56532003W BOTTOM HOLE LOCATION 15,953 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 778146.59' / Y: 520563.63' LAT: 32.42875734N / LON: 103.56582035W NAD 27, SPCS NM EAST X: 736964.30' / Y: 520502.66' LAT: 32.42863397N / LON: 103.56533493W T21S-R33E T22S-R33E		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. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, OR CONVEYANCE OF A PERMIT. Date of Survey Signature and Seal of Professional Surveyor Certificate Number	

NOTE: ALL DIMENSIONS IN U.S. FEET

3	04/13/2018	DEF
REV.	DATE	BY



WELL DETAILS						
+N-S	+E-W	Northing	Ground Level	3671.00	Latitude	Longitude
0.00	0.00	525719.42	Easting	736929.66	32° 26' 34.70534 N	103° 33' 55.17227 W

SECTION DETAILS										
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target	Annotation
1610.00	2.19	224.98	1609.69	-14.32	-20.63	0.00	0.00	14.29		Tie In, Begin 2.00°/100' Drop & Turn
1729.58	0.40	340.99	1729.24	-15.54	-22.38	2.00	171.39	15.51		Hold 0.40° Inc at 340.99° Azm
10408.82	0.40	340.99	10408.27	41.49	-42.03	0.00	0.00	-41.55		Begin 10.00°/100' Build & Turn
11312.59	90.00	179.45	10985.00	-531.44	-37.80	10.00	-161.54	531.38		LP, Hold 90.00° Inc at 179.45° Azm
16007.59	90.00	179.45	10985.00	-5226.22	7.27	0.00	0.00	5226.23	BHL v3 - Battle 34 Federal 4H	TD at 16007.59

DESIGN TARGET DETAILS							
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
BHL v3 - Battle 34 Federal 4H	10985.00	-5226.22	7.27	520493.20	736936.93	32° 25' 42.99056 N	103° 33' 55.52583 W

LEGEND

— 4H, OH / Job #61199, Surveys (Patterson 244) V0
— Plan 3 05-09-17

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001

Local Origin: Well 4H, Grid North

Latitude: 32° 26' 34.70534 N
Longitude: 103° 33' 55.17227 W

Grid East: 736929.66

Grid North: 525719.42

Scale Factor: 1.000

Geomagnetic Model: HDGM

Sample Date: 17-May-17

Magnetic Declination: 6.85°

Dip Angle from Horizontal: 60.37°

Magnetic Field Strength: 48305

To convert a Magnetic Direction to a Grid Direction, Add 6.44°
To convert a Magnetic Direction to a True Direction, Add 6.85° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

