

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well *Amend C-104*

30-DIS-45345

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner
- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☒ Directional Survey *Certified*
- ☒ C-102 (As-Drilled Plat for Horizontal Well) *Certified*

New Well and Recompleted Well Only

- ☒ C-103 Completion Sundry (or BLM equivalent)
- ☒ C-105 Completion Report (or BLM equivalent) *Amend C-105*
- ☒ All Logs Run on Well

If you have any questions please contact the local OCD District Office

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-104
Revised August 1, 2011

AUG 21 2019

Submit one copy to appropriate District Office

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

DISTRICT IV-ARTESIA O.C.D. AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Marathon Oil Permian LLC 5555 San Felipe St., Houston, TX 77056		² OGRID Number 372098
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-45345	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 321636	⁸ Property Name RICK DECKARD 4 WA STATE	⁹ Well Number 9H

II. 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
C	4	25S	28E		820	NORTH	1742	WEST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	4	25S	28E		286	SOUTH	2369	WEST	EDDY
¹² Lse Code S	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Off and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/V
	ENTERPRISE CRUDE OIL - LE	O
	SENDERO MIDSTREAM	G

IV. Well Completion Data

²¹ Spud Date 3/31/2019	²² Ready Date 7/13/2019	²³ TD 14348' / 9564'	²⁴ PBDT	²⁵ Perforations 9661' - 14246'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	438'	615		
12 1/4"	9 5/8"	2509'	770		
8 3/4"	5 1/2"	14338'	2759		

V. Well Test Data

³¹ Date New Oil 7/13/2019	³² Gas Delivery Date	³³ Test Date 8/14/2019	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 615
³⁷ Choke Size 64	³⁸ Oil 1858	³⁹ Water 2569	⁴⁰ Gas 2701	⁴¹ Test Method Flowing	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Adrian Covarrubias*

Printed name: Adrian Covarrubias

Title: CTR - Technician HES

E-mail Address: acovarrubias@marathonoil.com

Date: 8/19/2019

Phone: 713-296-3368

Approved by:

Title:

Approval Date:

DENIED**See Attached Cover Sheet**

* Tbg. size & Class missing

RECEIVED

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

AUG 21 2019

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 30-015-45345	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code	Property Name RICK DECKARD 4 WA STATE	⁶ Well Number 9H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3000'

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
C	4	T25S	R28E		820	NORTH	1742	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
N	4	T25S	R28E		286	SOUTH	2369	WEST	EDDY

¹² Dedicated Acres 321.12	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 		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>Adrian Covarrubias</i> Date: 8/19/2019 Printed Name: Adrian Covarrubias E-mail Address:
SURFACE HOLE LOCATION 820' ENL 1742' FWL SECTION 4 NAD 83, SPCS NM EAST X:614981.27' / Y:423571.74' LAT:32.16425315N / LON:104.09540331W NAD 27, SPCS NM EAST X:573777.51' / Y:423513.60' LAT:32.16413116N / LON:104.09491190W KICK OFF POINT 9,113' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:615526.41' / Y:424291.72' LAT:32.16622887N / LON:104.09357503W NAD 27, SPCS NM EAST X:574341.66' / Y:424233.56' LAT:32.16610688N / LON:104.09308362W FIRST TAKE POINT 9,602' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:615555.56' / Y:424061.75' LAT:32.16559652N / LON:104.09347922W NAD 27, SPCS NM EAST X:574371.80' / Y:424003.60' LAT:32.16547452N / LON:104.09298786W LAST TAKE POINT 14,303' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:615575.92' / Y:419380.70' LAT:32.16272861N / LON:104.09344714W NAD 27, SPCS NM EAST X:574392.06' / Y:419322.64' LAT:32.16260644N / LON:104.09295616W BOTTOM HOLE LOCATION 14,348' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:615576.77' / Y:419336.30' LAT:32.15260654N / LON:104.09344471W NAD 27, SPCS NM EAST X:574392.91' / Y:419279.24' LAT:32.15248438N / LON:104.09295374W CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 613221.63' / Y: 424390.57' B - X: 615881.69' / Y: 424391.91' C - X: 615885.84' / Y: 419047.50' D - X: 613206.84' / Y: 419074.98'		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. Date of Survey: _____ Signature: _____ Title: _____ PRELIMINARY THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, RECORDING, SALE OR THE BASIS FOR THE ISSUANCE OF A PERMIT. Certificate Number: _____

DISTANCES/AREAS RELATIVE TO NAD83 COMBINED SCALE FACTOR: 0.999915284 CONVERGENCE: 0.1265074556; NOTE: ALL DIMENSIONS IN U.S. FEET

SHEET 1 OF 1

JOB No. R3899_008

RECEIVED

Intent ☐ As Drilled ☒

AUG 21 2019

API #
30-015-45345

DISTRICT II-ARTESIA O.C.D.

Operator Name: Marathon Oil Permian LLC	Property Name: Rick Deckard 4 WA State	Well Number 9H
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Kick Off Point (KOP)

UL C	Section 4	Township 25S	Range 28E	Lot	Feet 100	From N/S N	Feet 2304	From E/W W	County Eddy
Latitude 32.16622887					Longitude -104.09357503			NAD 83	

First Take Point (FTP)

UL C	Section 4	Township 25S	Range 28E	Lot	Feet 330	From N/S N	Feet 2335	From E/W W	County Eddy
Latitude 32.16559652					Longitude -104.09347922			NAD 83	

Last Take Point (LTP)

UL N	Section 4	Township 25S	Range 28E	Lot	Feet 330	From N/S S	Feet 2368	From E/W W	County EDDY
Latitude 32.15272861					Longitude -104.09344714			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #	
Operator Name:	Property Name:
	Well Number

KZ 06/29/2018



Marathon Oil

Wellbore Schematic

Well Name: RICK DECKARD 25-28-4 WA STATE 009H

State/Province NEW MEXICO	Country UNITED STATES	Field Name PURPLE SAGE	Latitude (°) 32.16413120	Longitude (°) -104.09491190	North/South Distance (ft) 820.0	North/South Reference FNL
API/IPO UWI 3001545345	KB-Ground Distance (ft) 25.00	KB-Mud Line Distance (ft) 3,000.00	Ground Elevation (ft) 3,000.00	Drilling Rig Spud Date 5/16/2019	Well Original Completion Date	Well First Production Date

HORIZONTAL, RICK DECKARD 25-28-4 WA STATE 009H, 6/4/2019 11:11:56 AM

MD (ftKB)	Incl (°)	TVD (ftKB)	Vertical schematic (actual)
24.9	0.4	24.9	
25.9	0.4	25.9	
105.0	0.4	105.0	
416.0	0.9	416.0	Des: Conductor Cement; Top MD: 25.0 ftKB; Btm MD: 105.0 ftKB; Date: 3/1/2019 Des: Tail cement ; Top MD: 25.0 ftKB; Btm MD: 458.0 ftKB; Date: 4/1/2019
417.7	0.9	417.6	
456.4	1.1	456.3	
458.0	1.1	458.0	Des: Intermediate Casing Cement; Top MD: 25.0 ftKB; Btm MD: 2,508.7 ftKB; Date: 5/17/2019 Des: Intermediate Casing Cement (plug); Top MD: 2,461.0 ftKB; Btm MD: 2,508.7 ftKB; Date: 5/17/2019
2,461.0	10.2	2,449.2	
2,461.3	10.2	2,449.5	
2,462.6	10.2	2,450.8	No.:2; Des: Surface; OD: 13.375 in; ID: 12.615 in; Depth MD: 25.0-458.0 ftKB; Length: 433.00 ft
2,506.9	9.8	2,494.5	
2,508.9	9.7	2,496.4	
9,195.2	13.4	9,127.0	Des: Production Casing Cement; Top MD: 25.0 ftKB; Btm MD: 14,338.1 ftKB; Date: 5/26/2019 No.:3; Des: Intermediate 1; OD: 9.625 in; ID: 8.921 in; Depth MD: 25.0-2,508.7 ftKB; Length: 2,483.70 ft
9,205.7	14.5	9,137.0	
14,249.7	93.7	9,537.3	
14,251.6	93.7	9,537.2	No.:4; Des: Production 1; OD: 5.500 in; ID: 4.778 in; Depth MD: 25.0-14,338.1 ftKB; Length: 14,313.11 ft
14,283.0	94.0	9,534.5	
14,294.3	94.0	9,534.4	
14,335.6	94.0	9,531.5	
14,338.3	94.0	9,531.3	



Marathon Oil

Marathon Oil

Eddy County, NM

Rick Deckard State 25-28-4 (2-6-8-9)

WA #9H

OH

Design: OH 509'-14281' PTB 14348'

Survey Report

29 May, 2019

RECEIVED

AUG 21 2019

DISTRICT 11 ARTESIA O.C.D.



PRODIRECTIONAL

Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #9H
Project:	Eddy County, NM	TVD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Site:	Rick Deckard State 25-28-4 (2-6-8-9)	MD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Well:	WA #9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH 509'-14281' PTB 14348'	Database:	WellPlanner1

Project	Eddy County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Rick Deckard State 25-28-4 (2-6-8-9)		
Site Position:		Northing:	423,513.57 usft
From:	Map	Easting:	573,687.59 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.164132
		Longitude:	-104.095202
		Grid Convergence:	0.13 °

Well	WA #9H					
Well Position	+N/-S	0.00 usft	Northing:	423,513.60 usft	Latitude:	32.164131
	+E/-W	0.00 usft	Easting:	573,777.51 usft	Longitude:	-104.094912
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,000.00 usft

Wellbore		OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/10/2019	7.12	59.88	47,887.10

Design	OH 509'-14281' PTB 14348'				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	179.96	



Professional Directional Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #9H
Project:	Eddy County, NM	TVD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Site:	Rick Deckard State 25-28-4 (2-6-8-9)	MD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Well:	WA #9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH 509'-14281' PTB 14348'	Database:	WellPlanner1

Survey Program		Date	5/29/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
91.00	410.00	Survey #1 (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro	
509.00	14,348.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HRGM	

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	423,513.60	573,777.51
[RickDeckard#9H]FTP										
91.00	0.40	254.87	91.00	0.08	-0.08	-0.31	0.32	254.87	423,513.52	573,777.20
181.00	0.60	319.87	181.00	-0.20	0.20	-0.91	0.93	282.07	423,513.80	573,776.60
263.00	0.60	27.87	262.99	-0.90	0.90	-0.99	1.34	312.39	423,514.50	573,776.52
357.00	0.80	284.87	356.99	-1.51	1.51	-1.39	2.05	317.23	423,515.11	573,776.12
410.00	0.90	289.87	409.98	-1.74	1.74	-2.14	2.76	309.13	423,515.34	573,775.37
509.00	1.40	297.20	508.96	-2.56	2.56	-3.95	4.71	302.95	423,516.16	573,773.56
599.00	1.00	339.00	598.94	-3.80	3.80	-5.21	6.45	306.08	423,517.40	573,772.30
690.00	2.60	26.50	689.90	-6.39	6.38	-4.57	7.85	324.39	423,519.98	573,772.94
781.00	2.60	26.70	780.81	-10.08	10.08	-2.72	10.44	344.87	423,523.68	573,774.79
873.00	2.60	29.80	872.71	-13.75	13.75	-0.75	13.77	356.88	423,527.35	573,776.76
965.00	2.90	20.80	964.61	-17.74	17.74	1.11	17.77	3.59	423,531.34	573,778.62
1,065.00	2.20	7.30	1,064.51	-22.00	22.01	2.26	22.12	5.85	423,535.61	573,779.77
1,146.00	1.80	3.60	1,145.46	-24.82	24.82	2.53	24.95	5.83	423,538.42	573,780.04
1,235.00	2.00	10.10	1,234.41	-27.74	27.74	2.89	27.89	5.95	423,541.34	573,780.40
1,324.00	4.00	30.50	1,323.29	-31.94	31.95	4.74	32.30	8.44	423,545.55	573,782.25
1,414.00	6.50	39.40	1,412.90	-38.58	38.59	9.57	39.76	13.93	423,552.19	573,787.08'
1,503.00	6.70	35.50	1,501.31	-46.70	46.71	15.78	49.30	18.67	423,560.31	573,793.29
1,592.00	5.70	37.40	1,589.79	-54.43	54.45	21.48	58.53	21.53	423,568.05	573,798.99
1,681.00	5.10	39.10	1,678.40	-61.01	61.03	26.66	66.60	23.60	423,574.63	573,804.17

Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #9H
Project:	Eddy County, NM	TVD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Site:	Rick Deckard, State 25-28-4 (2-6-8-9)	MD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Well:	WA #9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH 509'-14281' PTB 14348'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
1,770.00	5.10	48.00	1,767.04	-66.72	66.74	32.09	74.06	25.68	423,580.34	573,809.60	
1,860.00	6.60	54.70	1,856.57	-72.38	72.41	39.29	82.38	28.48	423,586.01	573,816.80	
1,949.00	8.50	50.10	1,944.80	-79.55	79.58	48.51	93.20	31.36	423,593.18	573,826.02	
2,038.00	8.90	54.70	2,032.78	-87.74	87.78	59.18	105.87	33.98	423,601.38	573,836.69	
2,128.00	9.40	59.30	2,121.63	-95.51	95.56	71.18	119.15	36.68	423,609.16	573,848.69	
2,217.00	10.10	63.90	2,209.35	-102.64	102.70	84.44	132.95	39.42	423,616.30	573,861.95	
2,306.00	10.90	67.90	2,296.86	-109.23	109.30	99.24	147.63	42.24	423,622.90	573,876.75	
2,395.00	10.60	68.30	2,384.30	-115.41	115.49	114.64	162.73	44.79	423,629.09	573,892.15	
2,434.00	10.40	68.50	2,422.64	-118.03	118.11	121.25	169.27	45.75	423,631.71	573,898.76	
2,583.00	9.10	65.70	2,569.49	-127.79	127.89	144.50	192.97	48.49	423,641.49	573,922.01	
2,672.00	8.70	56.40	2,657.42	-134.40	134.51	156.53	206.38	49.33	423,648.11	573,934.04	
2,761.00	8.60	50.30	2,745.41	-142.37	142.49	167.25	219.72	49.57	423,656.09	573,944.76	
2,851.00	9.60	41.70	2,834.28	-152.26	152.39	177.42	233.88	49.34	423,665.99	573,954.93	
2,940.00	10.30	37.80	2,921.94	-164.09	164.22	187.24	249.05	48.75	423,677.82	573,964.75	
3,029.00	10.10	37.40	3,009.54	-176.57	176.70	196.85	264.53	48.09	423,690.30	573,974.36	
3,118.00	10.30	35.00	3,097.13	-189.28	189.42	206.16	279.96	47.42	423,703.02	573,983.67	
3,208.00	10.40	33.60	3,185.67	-202.63	202.78	215.27	295.73	46.71	423,716.38	573,992.78	
3,297.00	10.40	32.70	3,273.20	-216.07	216.23	224.05	311.37	46.02	423,729.83	574,001.56	
3,386.00	9.90	31.70	3,360.81	-229.34	229.50	232.41	326.63	45.36	423,743.10	574,009.92	
3,476.00	9.70	29.90	3,449.50	-242.49	242.65	240.26	341.47	44.72	423,756.25	574,017.77	
3,565.00	9.90	28.90	3,537.20	-255.68	255.85	247.69	356.11	44.07	423,769.45	574,025.20	
3,655.00	10.00	27.60	3,625.84	-269.37	269.55	255.05	371.09	43.42	423,783.15	574,032.56	
3,744.00	10.20	25.60	3,713.47	-283.32	283.50	262.04	386.05	42.75	423,797.10	574,039.55	
3,834.00	11.20	30.40	3,801.90	-298.04	298.23	269.90	402.23	42.15	423,811.83	574,047.41	
3,923.00	11.40	30.90	3,889.18	-313.04	313.23	278.79	419.33	41.67	423,826.83	574,056.30	
4,012.00	11.00	35.80	3,976.48	-327.47	327.67	288.28	436.43	41.34	423,841.27	574,065.79	
4,101.00	10.70	37.00	4,063.89	-340.94	341.15	298.22	453.12	41.16	423,854.75	574,075.73	

Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #9H
Project:	Eddy County, NM	TVD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Site:	Rick Deckard State 25-28-4 (2-6-8-9)	MD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Well:	WA #9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH 509'-14281' PTB 14348'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
4,190.00	10.70	36.00	4,151.34	-354.22	354.43	308.05	469.59	40.99	423,868.03	574,085.56	
4,280.00	10.90	35.10	4,239.75	-367.93	368.16	317.85	486.38	40.81	423,881.76	574,095.36	
4,369.00	11.10	39.50	4,327.12	-381.42	381.65	328.14	503.32	40.69	423,895.25	574,105.65	
4,459.00	11.30	41.40	4,415.40	-394.71	394.95	339.48	520.80	40.68	423,908.55	574,116.99	
4,548.00	11.30	40.90	4,502.68	-407.84	408.08	350.96	538.24	40.70	423,921.68	574,128.47	
4,638.00	10.90	39.70	4,590.99	-421.04	421.29	362.16	555.56	40.68	423,934.89	574,139.67	
4,727.00	10.60	38.50	4,678.43	-433.91	434.17	372.63	572.16	40.64	423,947.77	574,150.14	
4,816.00	10.40	41.80	4,765.94	-446.30	446.57	383.09	588.37	40.62	423,960.17	574,160.60	
4,905.00	10.00	44.80	4,853.54	-457.77	458.04	393.88	604.11	40.69	423,971.64	574,171.39	
4,995.00	9.10	42.80	4,942.29	-468.53	468.81	404.23	619.02	40.77	423,982.41	574,181.74	
5,083.00	8.70	41.70	5,029.23	-478.59	478.88	413.38	632.62	40.80	423,992.48	574,190.89	
5,173.00	8.30	41.10	5,118.24	-488.57	488.86	422.18	645.93	40.81	424,002.46	574,199.69	
5,262.00	8.20	39.50	5,206.32	-498.30	498.60	430.44	658.70	40.80	424,012.20	574,207.95	
5,352.00	7.90	37.20	5,295.43	-508.17	508.48	438.26	671.29	40.76	424,022.08	574,215.77	
5,441.00	7.60	34.40	5,383.62	-517.90	518.21	445.29	683.24	40.67	424,031.81	574,222.80	
5,530.00	7.40	31.90	5,471.86	-527.61	527.93	451.64	694.76	40.55	424,041.53	574,229.15	
5,620.00	7.30	28.70	5,561.12	-537.54	537.86	457.45	706.09	40.38	424,051.46	574,234.96	
5,709.00	6.20	39.00	5,649.50	-546.24	546.56	463.19	716.43	40.28	424,060.16	574,240.70	
5,798.00	6.00	45.70	5,738.00	-553.22	553.54	469.54	725.86	40.31	424,067.14	574,247.05	
5,888.00	4.50	49.20	5,827.62	-558.80	559.14	475.58	734.04	40.38	424,072.74	574,253.09	
5,977.00	3.30	37.90	5,916.42	-563.10	563.44	479.80	740.05	40.42	424,077.04	574,257.31	
6,067.00	2.90	31.70	6,006.28	-567.08	567.42	482.59	744.89	40.38	424,081.02	574,260.10	
6,156.00	2.90	30.20	6,095.17	-570.94	571.28	484.90	749.33	40.32	424,084.88	574,262.41	
6,246.00	2.90	21.80	6,185.05	-575.02	575.36	486.89	753.73	40.24	424,088.96	574,264.40	
6,335.00	3.30	36.30	6,273.93	-579.18	579.52	489.24	758.42	40.17	424,093.12	574,266.75	
6,425.00	3.20	40.00	6,363.78	-583.19	583.53	492.39	763.52	40.16	424,097.13	574,269.90	
6,514.00	2.60	29.80	6,452.67	-586.84	587.18	494.99	767.99	40.13	424,100.78	574,272.50	



Professional Directional Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #9H
Project:	Eddy County, NM	TVD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Site:	Rick Deckard State 25-28-4 (2-6-8-9)	MD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Well:	WA #9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH 509'-14281' PTB 14348'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
6,603.00	2.00	16.80	6,541.60	-590.08	590.42	496.45	771.40	40.06	424,104.02	574,273.96	
6,692.00	3.00	16.50	6,630.51	-593.79	594.14	497.56	774.96	39.94	424,107.74	574,275.07	
6,782.00	2.70	9.20	6,720.40	-598.14	598.49	498.56	778.95	39.80	424,112.09	574,276.07	
6,871.00	3.40	16.50	6,809.27	-602.74	603.09	499.65	783.18	39.64	424,116.69	574,277.16	
6,961.00	3.90	26.80	6,899.09	-608.03	608.38	501.79	788.62	39.52	424,121.98	574,279.30	
7,050.00	3.60	28.10	6,987.90	-613.20	613.55	504.47	794.31	39.43	424,127.15	574,281.98	
7,139.00	3.10	26.80	7,076.75	-617.81	618.16	506.87	799.40	39.35	424,131.76	574,284.38	
7,229.00	2.80	25.00	7,166.63	-621.97	622.33	508.89	803.91	39.27	424,135.93	574,286.40	
7,318.00	3.20	15.90	7,255.51	-626.33	626.69	510.49	808.29	39.17	424,140.29	574,288.00	
7,408.00	3.30	13.80	7,345.36	-631.26	631.62	511.80	812.95	39.02	424,145.22	574,289.31	
7,497.00	4.10	19.00	7,434.18	-636.76	637.11	513.45	818.26	38.87	424,150.71	574,290.96	
7,587.00	4.20	7.10	7,523.94	-643.07	643.43	514.90	824.09	38.67	424,157.03	574,292.41	
7,676.00	5.30	13.10	7,612.64	-650.30	650.66	516.24	830.58	38.43	424,164.26	574,293.75	
7,765.00	6.90	31.10	7,701.14	-658.88	659.25	519.93	839.60	38.26	424,172.85	574,297.44	
7,854.00	6.10	35.60	7,789.56	-667.30	667.67	525.44	849.63	38.20	424,181.27	574,302.95	
7,943.00	5.40	39.10	7,878.12	-674.39	674.77	530.84	858.54	38.19	424,188.37	574,308.35	
8,033.00	5.50	44.00	7,967.71	-680.78	681.15	536.50	867.07	38.23	424,194.75	574,314.01	
8,122.00	5.10	41.50	8,056.33	-686.81	687.19	542.09	875.26	38.27	424,200.79	574,319.60	
8,211.00	4.80	37.30	8,145.00	-692.73	693.11	546.97	882.93	38.28	424,206.71	574,324.48	
8,300.00	4.10	30.00	8,233.73	-698.44	698.83	550.81	889.81	38.25	424,212.43	574,328.32	
8,390.00	3.70	25.10	8,323.52	-703.86	704.24	553.65	895.82	38.17	424,217.84	574,331.16	
8,479.00	3.00	18.10	8,412.37	-708.67	709.06	555.60	900.81	38.08	424,222.66	574,333.11	
8,568.00	2.50	32.70	8,501.27	-712.52	712.91	557.37	904.93	38.02	424,226.51	574,334.88	
8,658.00	2.40	29.40	8,591.18	-715.81	716.20	559.35	908.74	37.99	424,229.80	574,336.86	
8,741.00	2.00	29.50	8,674.12	-718.58	718.97	560.92	911.90	37.96	424,232.57	574,338.43	
8,830.00	1.30	41.20	8,763.09	-720.69	721.08	562.35	914.44	37.95	424,234.68	574,339.86	
8,920.00	0.80	21.80	8,853.07	-722.04	722.44	563.26	916.06	37.94	424,236.04	574,340.77	

Company: Marathon Oil
Project: Eddy County, NM
Site: Rick Deckard State 25-28-4 (2-6-8-9)
Well: WA #9H
Wellbore: OH
Design: OH 509'-14281' PTB 14348'

Local Co-ordinate Reference: Well WA #9H
TVD Reference: Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
MD Reference: Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
9,009.00	0.80	339.40	8,942.06	-723.20	723.59	563.27	916.98	37.90	424,237.19	574,340.78	
9,098.00	2.90	163.60	9,031.03	-721.62	722.02	563.68	916.00	37.98	424,235.62	574,341.19	
9,131.28	6.52	166.76	9,064.20	-718.97	719.37	564.36	914.32	38.11	424,232.97	574,341.87	
[RickDeckard#9H]KOP											
9,188.00	12.70	168.00	9,120.09	-709.73	710.13	566.39	908.34	38.58	424,223.73	574,343.90	
9,277.00	21.50	166.70	9,205.07	-684.23	684.63	572.19	892.26	39.89	424,198.23	574,349.70	
9,366.00	30.60	165.50	9,284.95	-646.35	646.75	581.63	869.82	41.97	424,160.35	574,359.14	
9,456.00	37.40	172.00	9,359.54	-597.02	597.43	591.19	840.49	44.70	424,111.03	574,368.70	
9,545.00	48.40	180.50	9,424.69	-536.74	537.16	594.67	801.36	47.91	424,050.76	574,372.18	
9,634.00	62.20	180.40	9,475.24	-463.75	464.17	594.10	753.93	52.00	423,977.77	574,371.61	
9,724.00	69.70	178.80	9,511.89	-381.63	382.04	594.71	706.85	57.28	423,895.64	574,372.22	
9,814.00	78.10	178.50	9,536.83	-295.26	295.67	596.75	665.98	63.64	423,809.27	574,374.26	
9,903.00	85.80	180.00	9,549.28	-207.21	207.63	597.89	632.92	70.85	423,721.23	574,375.40	
10,006.00	90.00	180.80	9,553.06	-104.31	104.72	597.17	606.29	80.05	423,618.32	574,374.68	
10,096.00	90.40	180.50	9,552.74	-14.31	14.73	596.15	596.33	88.58	423,528.33	574,373.66	
10,186.00	91.10	180.60	9,551.56	75.67	-75.26	595.29	600.03	97.21	423,438.34	574,372.80	
10,275.00	90.30	180.80	9,550.48	164.66	-164.24	594.20	616.48	105.45	423,349.36	574,371.71	
10,365.00	90.60	180.80	9,549.77	254.65	-254.23	592.94	645.15	113.21	423,259.37	574,370.45	
10,454.00	90.10	181.10	9,549.23	343.63	-343.22	591.47	683.84	120.13	423,170.38	574,368.98	
10,544.00	89.40	181.40	9,549.62	433.61	-433.19	589.50	731.56	126.31	423,080.41	574,367.01	
10,633.00	89.80	181.40	9,550.24	522.58	-522.17	587.33	785.88	131.64	422,991.43	574,364.84	
10,723.00	88.50	179.70	9,551.58	612.56	-612.15	586.47	847.74	136.23	422,901.45	574,363.98	
10,813.00	87.80	177.90	9,554.48	702.49	-702.08	588.35	916.01	140.04	422,811.52	574,365.86	
10,902.00	88.20	177.30	9,557.59	791.36	-790.94	592.07	988.00	143.18	422,722.66	574,369.58	
10,991.00	88.40	177.90	9,560.23	880.24	-879.83	595.80	1,062.58	145.89	422,633.77	574,373.31	
11,081.00	88.50	177.90	9,562.66	970.15	-969.73	599.10	1,139.87	148.29	422,543.87	574,376.61	
11,170.00	89.40	177.90	9,564.29	1,059.08	-1,058.66	602.36	1,218.03	150.36	422,454.94	574,379.87	



Professional Directional Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #9H
Project:	Eddy County, NM	TVD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Site:	Rick Deckard State 25-28-4 (2-6-8-9)	MD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Well:	WA #9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH 509'-14281' PTB 14348'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
11,259.00	91.20	178.50	9,563.83	1,148.03	-1,147.61	605.15	1,297.39	152.20	422,365.99	574,382.66	
11,348.00	91.70	178.60	9,561.57	1,236.97	-1,236.55	607.40	1,377.68	153.84	422,277.05	574,384.91	
11,437.00	92.60	178.60	9,558.24	1,325.88	-1,325.46	609.58	1,458.91	155.30	422,188.14	574,387.09	
11,527.00	91.30	179.90	9,555.17	1,415.82	-1,415.40	610.75	1,541.55	156.66	422,098.20	574,388.26	
11,616.00	91.30	180.10	9,553.15	1,504.80	-1,504.37	610.75	1,623.62	157.90	422,009.23	574,388.26	
11,706.00	89.80	180.30	9,552.29	1,594.79	-1,594.37	610.44	1,707.23	159.05	421,919.23	574,387.95	
11,795.00	90.50	180.50	9,552.06	1,683.79	-1,683.36	609.82	1,790.42	160.09	421,830.24	574,387.33	
11,884.00	89.40	180.80	9,552.14	1,772.78	-1,772.36	608.81	1,874.00	161.04	421,741.24	574,386.32	
11,973.00	88.60	181.30	9,553.69	1,861.75	-1,861.33	607.18	1,957.86	161.93	421,652.27	574,384.69	
12,062.00	88.80	181.20	9,555.71	1,950.70	-1,950.28	605.24	2,042.04	162.76	421,563.32	574,382.75	
12,151.00	89.50	181.30	9,557.03	2,039.67	-2,039.25	603.30	2,126.62	163.52	421,474.35	574,380.81	
12,241.00	89.40	181.00	9,557.89	2,129.65	-2,129.23	601.49	2,212.56	164.23	421,384.37	574,379.00	
12,330.00	89.80	181.00	9,558.51	2,218.63	-2,218.21	599.94	2,297.91	164.87	421,295.39	574,377.45	
12,419.00	90.00	180.70	9,558.67	2,307.62	-2,307.20	598.62	2,383.59	165.46	421,206.40	574,376.13	
12,509.00	89.50	180.10	9,559.06	2,397.61	-2,397.20	597.99	2,470.66	165.99	421,116.40	574,375.50	
12,598.00	89.80	179.90	9,559.60	2,486.61	-2,486.20	597.99	2,557.10	166.48	421,027.40	574,375.50	
12,687.00	89.70	179.70	9,559.99	2,575.61	-2,575.19	598.30	2,643.78	166.92	420,938.41	574,375.81	
12,776.00	89.70	179.30	9,560.46	2,664.61	-2,664.19	599.07	2,730.71	167.33	420,849.41	574,376.58	
12,866.00	89.50	179.20	9,561.09	2,754.60	-2,754.18	600.25	2,818.83	167.71	420,759.42	574,377.76	
12,955.00	90.80	179.60	9,560.85	2,843.59	-2,843.17	601.18	2,906.04	168.06	420,670.43	574,378.69	
13,044.00	91.50	179.90	9,559.07	2,932.57	-2,932.15	601.57	2,993.23	168.41	420,581.45	574,379.08	
13,134.00	91.30	180.10	9,556.87	3,022.55	-3,022.13	601.57	3,081.42	168.74	420,491.47	574,379.08	
13,223.00	90.80	180.10	9,555.24	3,111.53	-3,111.11	601.42	3,168.71	169.06	420,402.49	574,378.93	
13,312.00	89.30	180.50	9,555.16	3,200.53	-3,200.11	600.95	3,256.04	169.36	420,313.49	574,378.46	
13,401.00	90.80	180.50	9,555.08	3,289.52	-3,289.10	600.18	3,343.41	169.66	420,224.50	574,377.69	
13,490.00	90.80	180.20	9,553.84	3,378.51	-3,378.09	599.63	3,430.90	169.93	420,135.51	574,377.14	
13,580.00	90.50	178.90	9,552.82	3,468.50	-3,468.08	600.34	3,519.66	170.18	420,045.52	574,377.85	

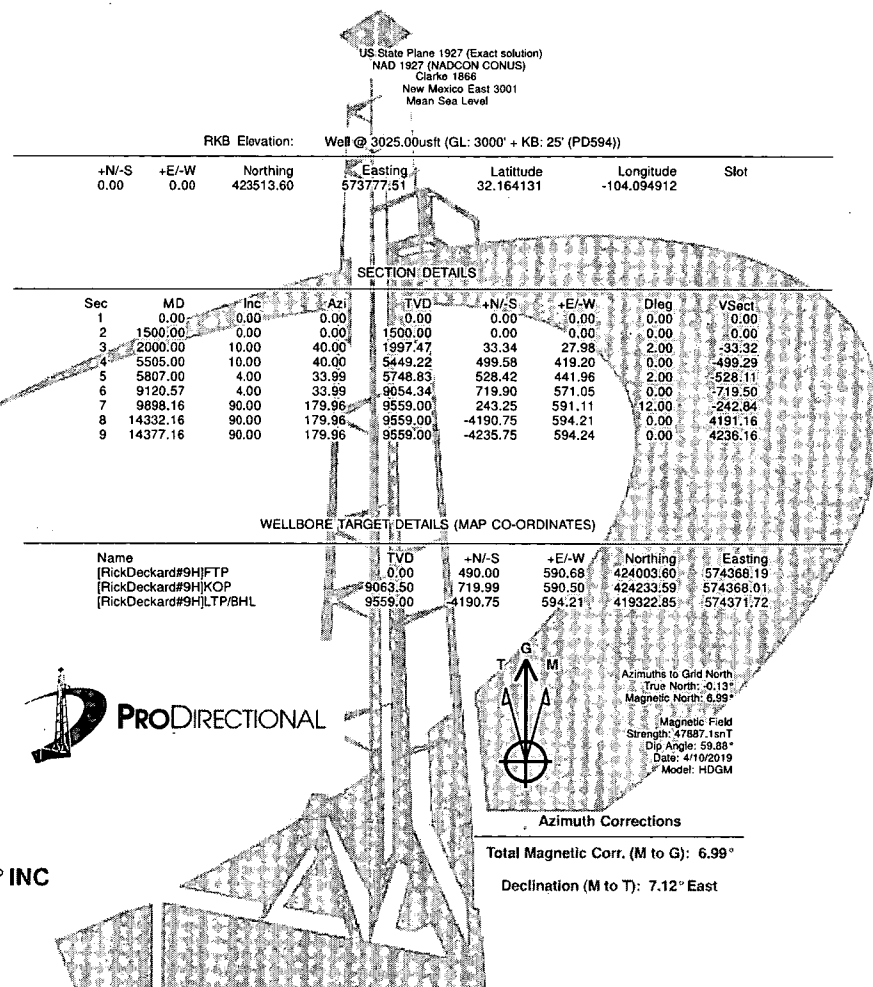
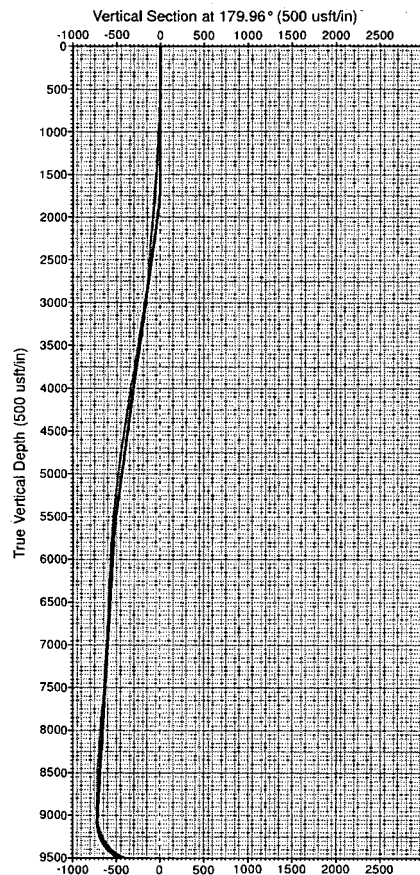
Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #9H
Project:	Eddy County, NM	TVD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Site:	Rick Deckard State 25-28-4 (2-6-8-9)	MD Reference:	Well @ 3025.00usft (GL: 3000' + KB: 25' (PD594))
Well:	WA #9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH 509'-14281' PTB 14348'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
13,669.00	90.80	179.30	9,551.81	3,557.48	-3,557.06	601.74	3,607.60	170.40	419,956.54	574,379.25	
13,758.00	92.10	179.40	9,549.56	3,646.45	-3,646.03	602.75	3,695.51	170.61	419,867.57	574,380.26	
13,847.00	90.40	178.80	9,547.62	3,735.41	-3,734.99	604.14	3,783.54	170.81	419,778.61	574,381.65	
13,936.00	90.10	178.60	9,547.23	3,824.39	-3,823.97	606.16	3,871.71	170.99	419,689.63	574,383.67	
14,026.00	91.00	178.60	9,546.36	3,914.36	-3,913.94	608.36	3,960.93	171.16	419,599.66	574,385.87	
14,115.00	91.80	178.70	9,544.19	4,003.31	-4,002.88	610.46	4,049.16	171.33	419,510.72	574,387.97	
14,204.00	93.20	178.60	9,540.31	4,092.20	-4,091.77	612.55	4,137.37	171.49	419,421.83	574,390.06	
14,281.00	94.00	178.90	9,535.47	4,169.03	-4,168.60	614.23	4,213.61	171.62	419,345.00	574,391.74	
Last Survey: 14281'MD, 9535.47'TVD - [RickDeckard#9H]LTP/BHL											
14,348.00	94.00	178.90	9,530.80	4,235.85	-4,235.43	615.51	4,279.92	171.73	419,278.17	574,393.02	
PTB: 14348'MD, 9530.80'TVD											

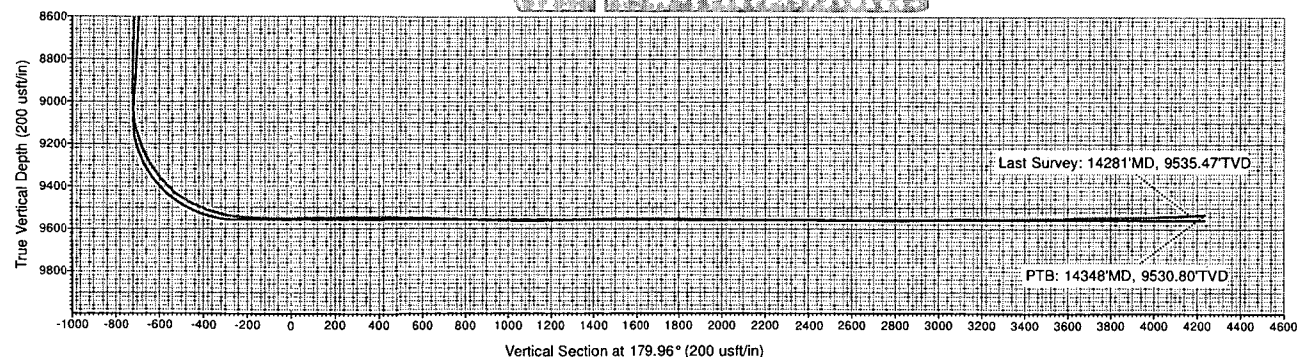
Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
14,281.00	9,535.47	-4,168.60	614.23	Last Survey: 14281'MD, 9535.47'TVD
14,348.00	9,530.80	-4,235.43	615.51	PTB: 14348'MD, 9530.80'TVD

Marathon Oil Corporation

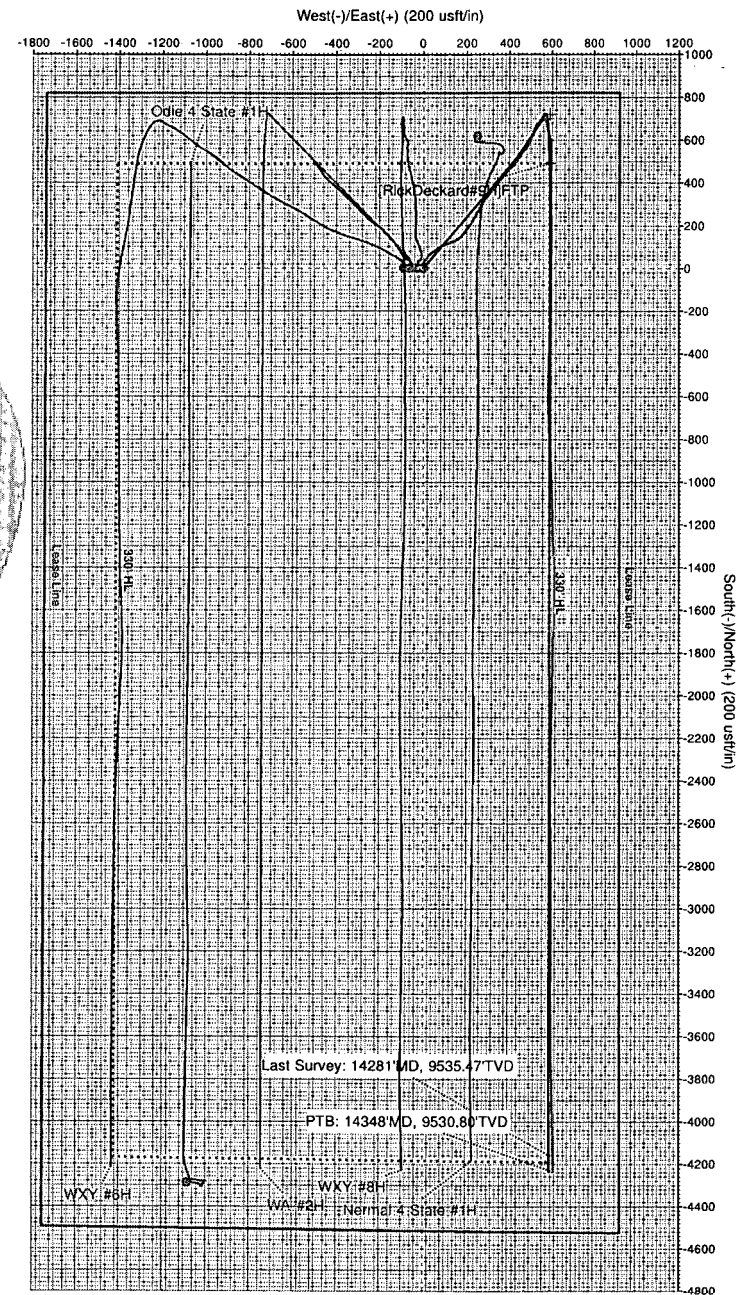
Marathon Oil
Eddy County, NM
Rick Deckard State 25-28-4 (2-6-8-9)
WA #9H
Plan #5
GL: 3000' + KB: 25' (PD594)



Target Line: 9559' TVD @ 0° VS: 90° INC



36" x 48"



Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised April 3, 2017

1. WELL API NO.
30-015-45345

2. Type of Lease
☒ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)

☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

7. Type of Completion:

☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator

Marathon Oil Permian LLC

10. Address of Operator

5555 San Felipe St., Houston, TX 77056

5. Lease Name or Unit Agreement Name
RICK DECKARD 4 WA STATE

6. Well Number:

9H

9. OGRID

372098

11. Pool name or Wildcat

PURPLE SAGE; WOLFCAMP (GAS)

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	4	25S	28E		820	N	1742	W	EDDY
BH:	N	4	25S	28E		286	S	2369	W	EDDY

13. Date Spudded 3/31/2019 14. Date T.D. Reached 5/24/2019 15. Date Rig Released 5/26/2019 16. Date Completed (Ready to Produce) 7/13/2019 17. Elevations (DF and RKB, RT, GR, etc.) 3000' GL

18. Total Measured Depth of Well 14348' / 9564' 19. Plug Back Measured Depth Sunday? 20. Was Directional Survey Made? Yes * 21. Type Electric and Other Logs Run MUD GR

22. Producing Interval(s), of this completion - Top, Bottom, Name
9661' - 14246'; WOLFCAMP

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5 / J55	438'	17 1/2"	615	
9 5/8"	36 / J55	2509'	12 1/4"	770	
5 1/2"	20 / P110	14338'	8 3/4"	2759	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET

26. Perforation record (interval, size, and number)

9661' - 14246' ; 0.36", 552 shots

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9661' - 14246' (OK)	11,437,799 lbs - 40/70; 100 Mesh
	6,363 gal - 15% HCl Acid

28. * Sunday? PRODUCTION

Date First Production 7/13/2019 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Producing

Date of Test 8/14/2019	Hours Tested 24	Choke Size 64	Prod'n For Test Period	Oil - Bbl 1858	Gas - MCF 2701	Water - Bbl. 2569	Gas - Oil Ratio
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Flow Tubing Press. 0	Casing Pressure 615	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
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29. Disposition of Gas (Sold, used for fuel, vented, etc.)
sold

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date:

34. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude

Longitude

NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

Adrian Covarrubias

Title CTR - Technician HES

Date 8/19/2019

E-mail Address acovarrubias@marathonoil.com

705

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

OIL OR GAS SANDS OR ZONES

No. 3. from.....to.....

No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 2, from.....to.....feet.....

No. 3, from to feet

From	To	Thickness In Feet	Lithology

Geological Tops

Rick Deckard 4 WA State 9H

Surface	0
Salado	651
Castile	847
Base Salt	2398
Lamar	2498
Delaware Sands (Bell Canyon)	2529
Cherry Canyon	3354
Brushy Canyon	4536
Bone Spring	6143
Wolfcamp	9388