

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
New Mexico OIL CONSERVATION DIVISION
ARTESIA DISTRICT
District Office
APR 06 2018 AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30.015-44860	² Pool Code 98220	³ Pool Name PURPLE SAGE (WOLFCAMP)
⁴ Property Code 319769	⁵ Property Name RED LIGHT STATE COM 23-26-27 WA	
⁷ OGRID No. 372098	⁶ Operator Name MARATHON OIL PERMIAN LLC	⁸ Well Number 9H
		⁹ Elevation 3298'

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
B	27	T23S	R26E		660'	NORTH	2538'	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

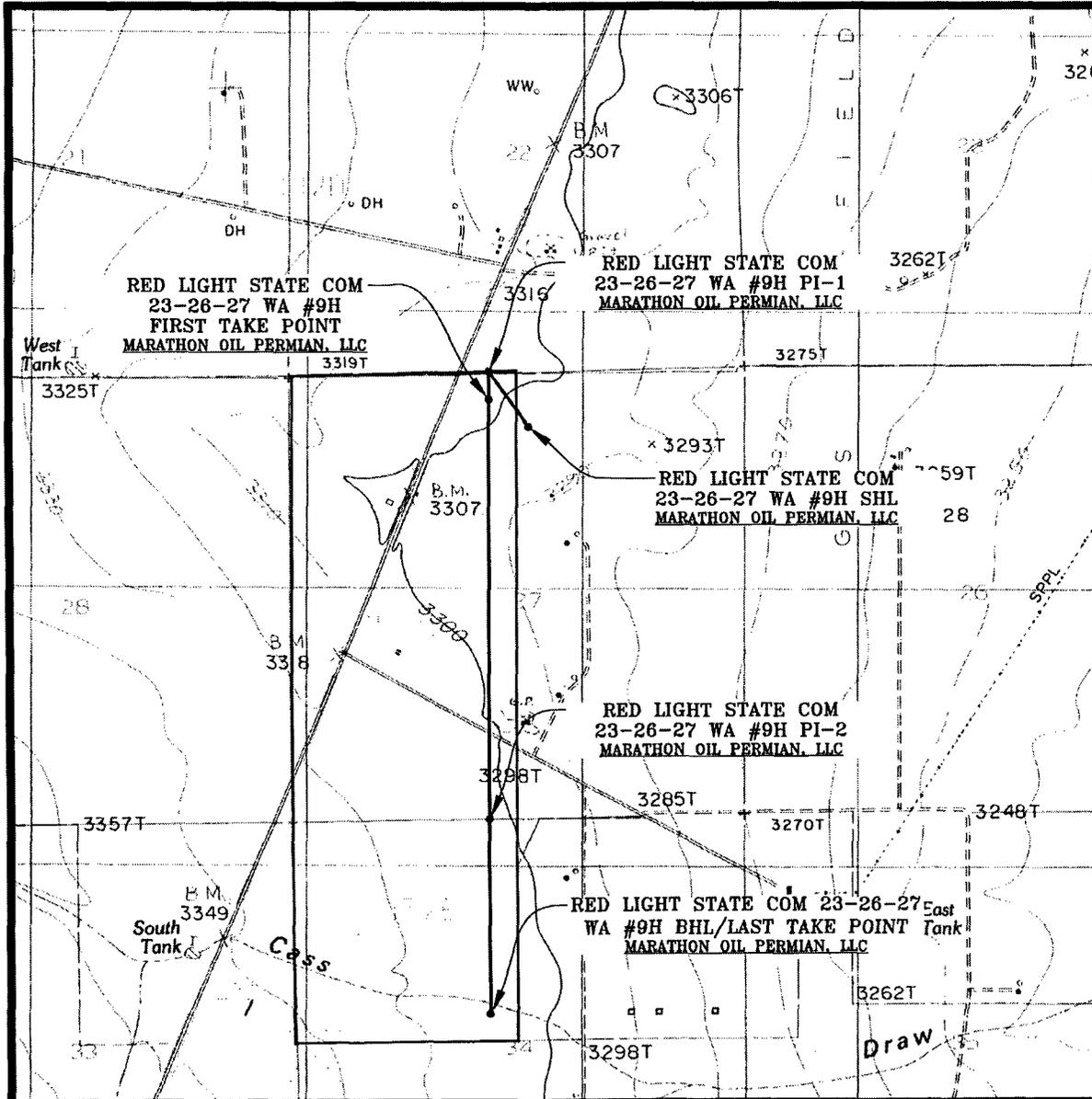
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	34	T23S	R26E		2314'	NORTH	2342'	WEST	EDDY

¹² Dedicated Acres 480.00	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.

<p style="text-align: center;">16</p> <p style="text-align: center;">17 OPERATOR CERTIFICATION</p> <p><i>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></p> <p style="text-align: right;"><i>Jennifer Van Curen</i> 4/5/18 Signature Date</p> <p style="text-align: center;">Jennifer Van Curen Printed Name</p> <p>E-mail Address</p> <p style="text-align: center;">18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: center;">MARCH 14, 2018</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <div style="text-align: center;"> </div> <p style="text-align: center;">Certificate Number LLOYD P. SHORT 21653</p>	<p style="text-align: center;">17 OPERATOR CERTIFICATION</p> <p><i>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></p> <p style="text-align: right;"><i>Jennifer Van Curen</i> 4/5/18 Signature Date</p> <p style="text-align: center;">Jennifer Van Curen Printed Name</p> <p>E-mail Address</p> <p style="text-align: center;">18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: center;">MARCH 14, 2018</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <div style="text-align: center;"> </div> <p style="text-align: center;">Certificate Number LLOYD P. SHORT 21653</p>
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LOCATION VERIFICATION MAP



SEC. 27 TWP. 23-S RGE. 26-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 660' FNL & 2538' FEL
 ELEVATION: 3298'
 OPERATOR: MARATHON OIL PERMIAN, LLC
 LEASE: RED LIGHT STATE COM 23-26-27
 U.S.G.S. TOPOGRAPHIC MAP: KITCHEN COVE, N.M.

SCALE: 1" = 2000'
 CONTOUR INTERVAL = 20'

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-6900 OFFICE
 JOB No. R3788_008

VICINITY MAP

RED LIGHT STATE COM 23 26 27 WXY #18H

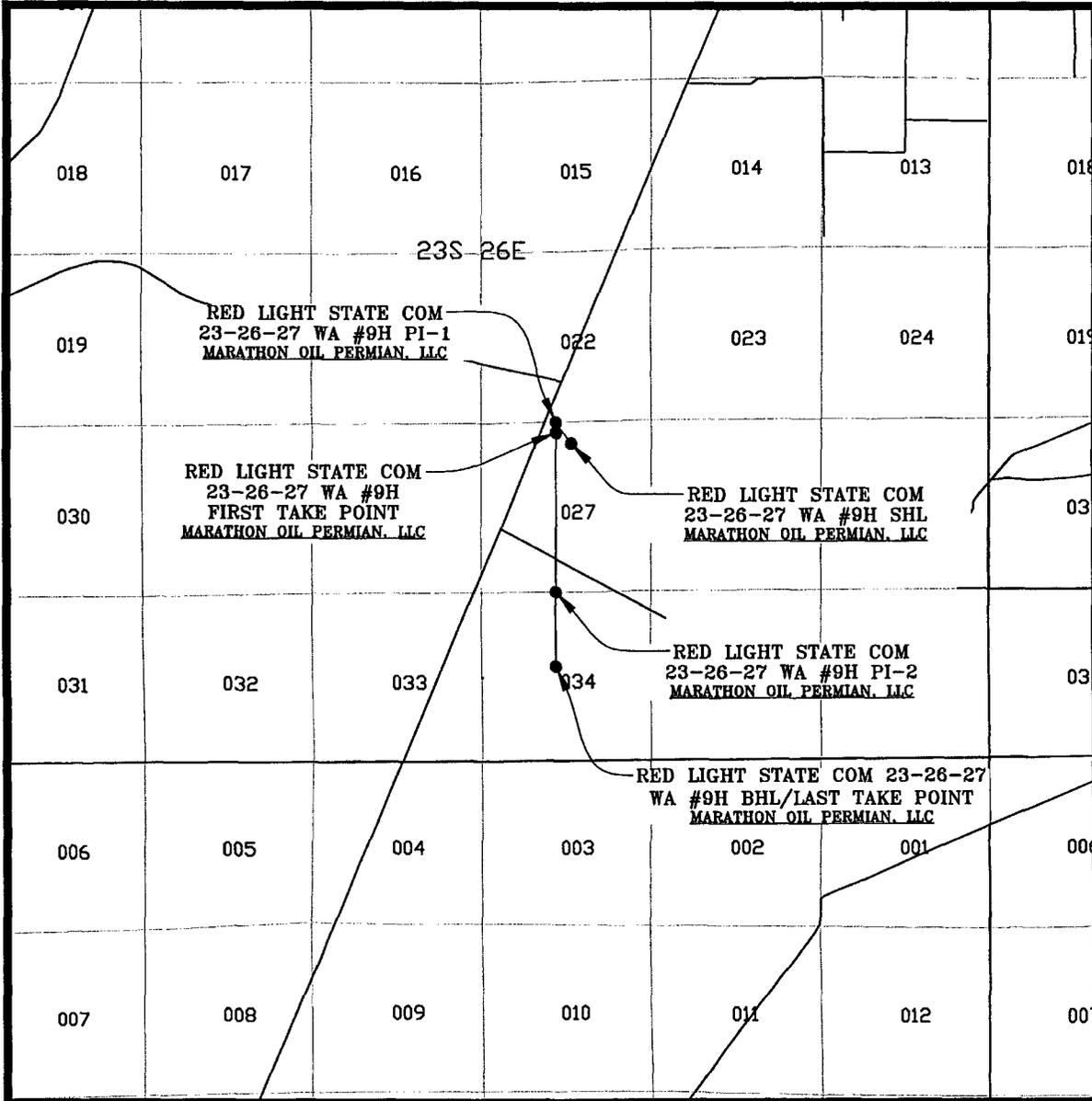
302' FNL & 704' FEL

SEC. 27 TWP. 23-S RGE. 26-E

SURVEY: N.M.P.M.

COUNTY: EDDY

U.S.G.S. TOPOGRAPHIC MAP: KITCHEN COVE, N.M.



SEC. 27 TWP. 23-S RGE. 26-E

SURVEY: N.M.P.M.

COUNTY: EDDY

DESCRIPTION: 660' FNL & 2538' FEL

ELEVATION: 3298'

OPERATOR: MARATHON OIL PERMIAN, LLC

LEASE: RED LIGHT STATE COM 23-26-27

U.S.G.S. TOPOGRAPHIC MAP: KITCHEN COVE, N.M.

SCALE: 1" = 1 MILE

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-6900 OFFICE
JOB No. R3788_008



EDDY COUNTY, NM (NAD27)
RED LIGHT STATE COM 23-26-27
WA #9H

PLAN #1
RIG TBD

30-015-44860

GL ELEV.: 3298.00
DEPTH REF. FB = 26.5 @ 3324.5085FT (RIG TBD)

PARSONS CONSERVATION
ARTESIA DISTRICT

APR 06 2018

RECEIVED

WELL DETAILS:

GROUND LEVEL: 3298.00
EASTING: 516490.57 32° 16' 50.417 N04.° 16' 47.906 W
NORTHING: 465829.73

SECTION DETAILS		DESIGN TARGET DETAILS									
NO	INC	ASZ	TVD	+N/-S	+E/-W	VF	TF	VF/TF	VF/TF	VF/TF	TARGET
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	350.00	3097.47	33.34	-27.98	2.00	320.00	-33.34	0.00	0.00	
4000.00	0.00	350.00	3097.47	33.34	-27.98	2.00	320.00	-33.34	0.00	0.00	
7760.00	0.00	0.00	7697.31	566.84	-475.64	2.00	180.00	-566.84	0.00	0.00	
8301.23	0.00	0.00	8259.04	566.84	-475.64	0.00	0.00	-566.84	0.00	0.00	
9201.23	0.00	0.00	8812.00	-6.11	-476.01	0.00	0.00	-476.01	0.00	0.00	
6190.15	0.00	180.04	8812.00	-489.33	-476.01	0.00	0.00	-476.01	0.00	0.00	
6190.15	0.00	180.04	8812.00	-700.03	-480.49	0.00	0.00	-700.03	0.00	0.00	

Name: BHL(RLSCWA#PH)
TVD: 8812.00
+N/-S: -6956.03
+E/-W: -480.46
VF: 4861.48 90

DRILLING TARGET: 8812' TVD @ 0VS // 90.0° INC.
WINDOW: 10' UP // 10' DOWN
WINDOW: 30' LEFT // 30' RIGHT

SITE DETAILS: RED LIGHT STATE COM 23-26-27
SITE CENTRE: NORTHING: 465829.73
EASTING: 516440.59

POSITIONAL UNCERTAINTY: 0.00
CONVERGENCE: 0.03
LOCAL NORTH: GRID

PROJECT DETAILS: EDDY COUNTY, NM (NAD27)
GEOMETRIC DATUM: NAD 1927 (NADCON CONUS)
EIPSPID: CLARKE 1866
ZONE: NEW MEXICO EAST 3001
SYSTEM DATUM: MEAN SEA LEVEL

MAP SYSTEM: US STATE PLANE 1927 (EACD SOLUTION)
EIPSPID: CLARKE 1866
ZONE NAME: NEW MEXICO EAST 3001
LOCAL ORIGIN: WELL WA #9H, GRID NORTH

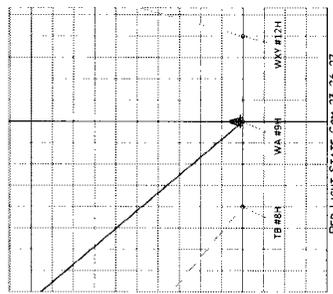
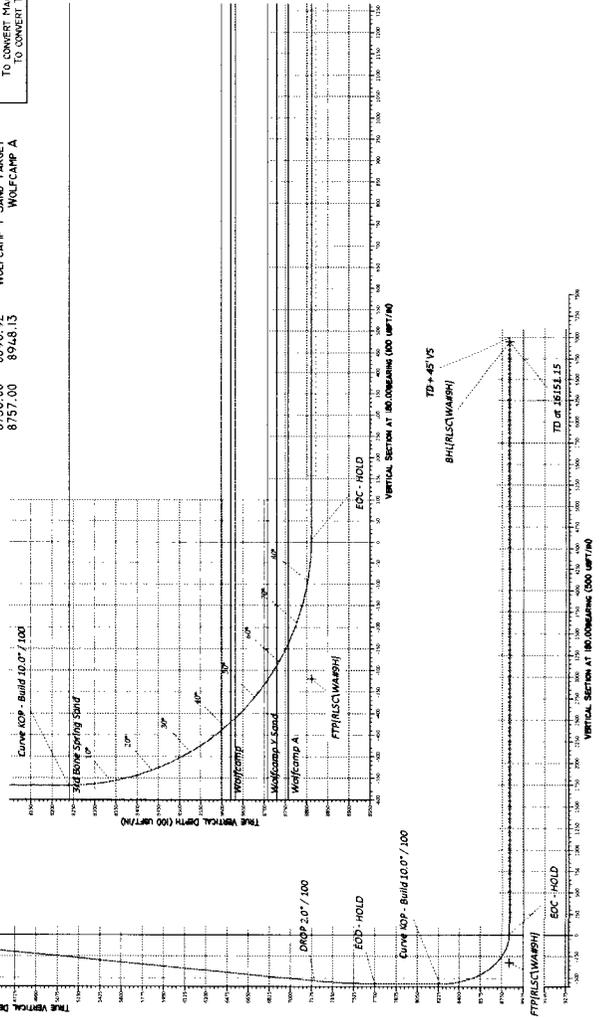
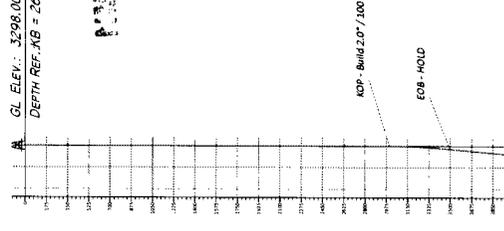
LATITUDE: 32° 16' 50.417 N
LONGITUDE: 104° 16' 47.906 W
GRID EAST: 516490.57
GRID NORTH: 465829.73
SCALE FACTOR: 1.000

GEOMAGNETIC MODEL: HOGM
SAMPLE DATE: 03-APR-8
MAGNETIC DECLINATION: 7.60° P
DIP: 73.00°
MAGNETIC FIELD STRENGTH: 67972
TO CONVERT MAGNETIC NORTH TO GRID, ADD 7.3°
TO CONVERT TRUE NORTH TO GRID, SUBTRACT 0.03°

FORMATION TOP DETAILS

TVD (FT)	MDP (FT)	FORMATION
0.00	0.00	CASTLE
575.00	575.00	CASTLE
1762.00	1762.00	BASE OF SALT
1930.00	1930.00	BELL CANYON
1930.00	1930.00	BELL CANYON
5235.00	5235.00	BROWN CANYON
5431.00	5463.39	BONE SPRING
6196.00	6240.16	1ST BONE SPRING SAND
6562.00	6611.81	2ND BONE SPRING SAND
8241.00	8303.19	3RD BONE SPRING SAND
8599.00	8701.44	3RD BONE SPRING SAND TARGET
8632.00	8734.25	WOLF CAMP X SAND
8708.00	8850.57	WOLF CAMP Y SAND
8730.00	8890.92	WOLF CAMP Y SAND TARGET
8757.00	8948.13	WOLF CAMP A

COORDINATES
No casing data is available



RED LIGHT STATE COM 23-26-27



ACTIVITY TO GRID NORTH
MAGNETIC NORTH: 2.37°
MAGNETIC FIELD STRENGTH: 47972.68T
DIP: 73.00°
DATE: 4/2/08
MODEL: HOGM

TO CONVERT MAGNETIC NORTH TO GRID, ADD 7.3°
TO CONVERT TRUE NORTH TO GRID, SUBTRACT 0.03°

