RECEIVED: 2/12/20 | REVIEWER: DM | TYPE: PLC | APP NO: pDM2006344216

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# **NEW MEXICO OIL CONSERVATION DIVISION**

- Geological & Engineering Bureau – 1220 South St. Francis Drive, Santa Fe, NM 87505



1220 South St. Francis Drive, Santa Fe, NM 87505
ADMINISTRATIVE APPLICATION CHECKLIST
THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applicant:OGRID Number:
Vell Name:       API:         Pool:       Pool Code:
1 001 00dc
SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW
1) TYPE OF APPLICATION: Check those which apply for [A]  A. Location – Spacing Unit – Simultaneous Dedication  NSL NSP(PROJECT AREA) NSP(PRORATION UNIT) SD
B. Check one only for [I] or [II]  [I] Commingling - Storage - Measurement  DHC CTB PC OLS OLM  [II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  WFX PMX SWD IPI EOR PPR
2) NOTIFICATION REQUIRED TO: Check those which apply.  A.  Offset operators or lease holders  B.  Royalty, overriding royalty owners, revenue owners  C. Application requires published notice  D. Notification and/or concurrent approval by SLO  E. Notification and/or concurrent approval by BLM  F. Surface owner  G. For all of the above, proof of notification or publication is attached, and/or,  H. No notice required
3) <b>CERTIFICATION</b> : I hereby certify that the information submitted with this application for administrative approval is <b>accurate</b> and <b>complete</b> to the best of my knowledge. I also understand that <b>no action</b> will be taken on this application until the required information and notifications are submitted to the Division.
Note: Statement must be completed by an individual with managerial and/or supervisory capacity.
Date
Print or Type Name
Phone Number
Signature e-mail Address

eceined by Och: 2/12/2020 2:07:34 Office	PM State of New Me	exico	Form <i>C-103</i> of 10
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natu	ral Resources	Revised July 18, 2013 WELL API NO.
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION		30-015-46279
<u>District III</u> – (505) 334-6178	1220 South St. Fran	5. Indicate Type of Lease  STATE   FEE	
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 87		STATE  FEE 6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505	<b>Summary</b> 1 (1) 1 (1) 1	'	VB-0839; VB-0850
		UG BACK TO A	7. Lease Name or Unit Agreement Name
PROPOSALS.)	<u> </u>		Quail 2 State Com 8. Well Number 705H
<ol> <li>Type of Well: Oil Well</li> <li>Name of Operator</li> </ol>	Gas Well Other		9. OGRID Number
EOG Resources, Inc.			7377
3. Address of Operator			10. Pool name or Wildcat
P.O. Box 2267, Midland, Texas 797	'02		Purple Sage; Wolfcamp [98220]
4. Well Location	407 0 0 1		40.
Unit LetterD:	485feet from theNorth		
Section 2	Township 26S 11. Elevation (Show whether DR,	Range 30E	NMPM Eddy County
	3217'	, KKD, K1, OK, etc.)	
12. Check A	Appropriate Box to Indicate N	ature of Notice, R	eport or Other Data
NOTICE OF IN	TENTION TO:	SUBS	EQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	☐ ALTERING CASING ☐
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILL	LING OPNS. ☐ P AND A ☐
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	JOB 🗌
DOWNHOLE COMMINGLE			
CLOSED-LOOP SYSTEM	. 57	071150	
OTHER: Surface Comming		OTHER:	give pertinent dates, including estimated date
			pletions: Attach wellbore diagram of
proposed completion or reco		o. Tor wantiple comp	rections. Attach welloofe diagram of
EOG Resources, Inc. respectfully req	uests to amend PC 1366 to include	the following wells:	
Oueil 2 State Com 705H	DI. 20 015 46270 Dumle C	aga, Walfaama [0922	01
-		age; Wolfcamp [9822 age; Wolfcamp [9822	
~	*	age; Wolfcamp [9822]	-
		age; Wolfcamp [9822	
		age; Wolfcamp [9822	
Quail 2 State Com 768H		age; Wolfcamp [9822	
Please see attached supporting docun application	nentation. These wells have unifor	m ownership. State L	and Office has received notice of this
Spud Date:	Rig Release Da	ate:	
I hereby certify that the information a	above is true and complete to the be	est of my knowledge a	and belief.
SIGNATURE Lisa Trass	cherTITLE_Regula	atory Specialist	DATE2/12/2020
Type or print nameLisa Trascher	E-mail address: _lisa_trasche	er@eogresources.com	_ PHONE: _432-247-6331
For State Use Only			
APPROVED BY:	TITLE		DATE
Conditions of Approval (if any):			

#### FACILITY NAME: QUAIL 2 STATE CTB INJ BB METER #77699381 INJ BB METER FACILITY CHECK METER #77699371 GAS METER # \*1111111 WELL NAME: FACILITY CHECK METER GAS LIFT METER#\*111111 QUAIL 2 STATE COM #705H API NUMBER: OIL METER#\*1111111 WATER METERS #\*1111111, 30-015-46279 HP FLARE METER #77699356 GAS METER # \*1111111 WELL NAME: QUAIL 2 STATE COM #706H GAS LIFT METER#\*1111111 API NUMBER: OIL METER#\*1111111 WATER METERS #\*1111111, INDIVIDUAL WELL FLARE METER #77699357 WELL NAME: GAS METER # \*1111111 QUAIL 2 STATE COM #722H GAS LIFT METER#\*1111111 API NUMBER: OIL METER#\*1111111 WATER METERS #\*1111111, GAS METER # \*1111111 HHS #1 WELL NAME: GAS LIFT METER#\*1111111 QUAIL 2 STATE COM #724H OIL METER#\*1111111 API NUMBER: WATER METERS #\*1111111, 30-015-46276 VRU METER #77699386 WELL NAME: GAS METER # \*1111111 QUAIL 2 STATE COM #725H GAS LIFT METER#\*1111111 API NUMBER: OIL METER#\*111111 30-015-46277 WATER METERS #\*1111111, GAS METER # \*1111111 WELL NAME: VRT QUAIL 2 STATE COM #768H GAS LIFT METER#\*1111111 API NUMBER: OIL METER#\*1111111 WATER METERS #\*111111, 30-015-46278 ΠIL ΠIL ΠIL WELL NAME: GAS METER # 77699301 20' QUAIL 2 STATE COM #581H API NUMBER: HHS #2 GAS LIFT METER#77699321 750 BBL 750 BBL 750 BBL 750 BBL OIL METER#10-76654 WATER METERS ##76993-W1, 30-015-45787 WELL NAME: GAS METER # 77699302 GAS LIFT METER#77699322 QUAIL 2 STATE #594H **API NUMBER:** OIL METER#10-76672 LACT ID: 30-015-45788 WATER METERS ##76993-W1, 76993.2 #76993-W2 WELL NAME: GAS METER # 77699303 QUAIL 2 STATE COM #707H GAS LIFT METER#77699323 LACT ID: API NUMBER: OIL METER#10-76009 \*111111 WATER METERS #76993-W1, 30-015-45793 WATER WATER Received by OCD: 2/12/2020 2:07:34 20' 20' 750 BBL $750~\mathrm{BBL}$ | Gas Orifice Meter \*Test meter numbers will be provided upon installation of meters and QUAIL 2 STATE COM CTB PROCESS FLOW M Liquid Meter completion of the facility. EDG RESDURCES BY: ARC MIDLAND DIVISION 1/15/2020.

#### **Process and Flow Descriptions:**

The production from each well will flow into a dedicated 3-phase separator. The production stream will be separated into 3 independent streams (gas, oil, and water) by the separator and each stream will be measured individually after it exits the separator. The gas will be measured using a senior orifice meter before flowing into a common header. Process gas used is allocated to the wells on a mass balance basis based on this measurement. The remaining residue gas is allocated to the wells by energy balance based off of routine gas sampling at the meter. Gas measurements on the high pressure separator are aligned with API MPMS 20.1

```
QUAIL 2 STATE COM #581H gas allocation meter is (S/N 77699301) QUAIL 2 STATE #594H gas allocation meter is (S/N 77699302) QUAIL 2 STATE COM #705H gas allocation meter is (S/N *1111111) QUAIL 2 STATE COM #706H gas allocation meter is (S/N *1111111) QUAIL 2 STATE COM #707H gas allocation meter is (S/N 77699303) QUAIL 2 STATE COM #722H gas allocation meter is (S/N *1111111) QUAIL 2 STATE COM #724H gas allocation meter is (S/N *1111111) QUAIL 2 STATE COM #725H gas allocation meter is (S/N *1111111) QUAIL 2 STATE COM #768H gas allocation meter is (S/N *1111111)
```

The oil from the separators will be measured using a Coriolis meter. *Oil measurements on the high pressure separator are aligned with API MPMS 20.1* 

```
QUAIL 2 STATE COM #581H oil allocation meter is (S/N 10-76654) QUAIL 2 STATE #594H oil allocation meter is (S/N 10-76672) QUAIL 2 STATE COM #705H oil allocation meter is (S/N *1111111) QUAIL 2 STATE COM #706H oil allocation meter is (S/N *1111111) QUAIL 2 STATE COM #707H oil allocation meter is (S/N 10-76009) QUAIL 2 STATE COM #722H oil allocation meter is (S/N *1111111) QUAIL 2 STATE COM #724H oil allocation meter is (S/N *1111111) QUAIL 2 STATE COM #725H oil allocation meter is (S/N *1111111) QUAIL 2 STATE COM #768H oil allocation meter is (S/N *1111111)
```

The water will be measured using a vortex meter. The water from each separator is combined in a common header and flows into (2) 750 barrel internally coated steel tanks. Guided wave radar is used to measure water volumes in these tanks. The oil from each separator will be combined into a common header and flow into a heated 3-phase separator to aid separation of water entrained in the oil.

Water from the heated separator flows into the common water header connected to the (2) 750 barrel water tanks. The water is then pumped and/or trucked to water reuse or disposal well.

The oil from the heated 3-phase separator flows through a vapor recovery tower (VRT) where gas is allowed to breakout at a lower pressure, and then the oil flows into (4) 750 barrel coated steel tanks. Guided wave radar is used to measure oil volumes in these tanks and can be used for volume verification during diagnosis of upset conditions. Oil is pumped out of the tanks through a LACT with Coriolis measurement into a truck or a pipeline. The LACT is the custody transfer point and the measurement point for oil sales.

After the gas from each separator is measured it is combined into a common header. The gas from the heated 3-phase separator also flows into this header. The gas flows through the header to a custody transfer senior orifice meter (#\*1111111) that serves as the lease gas production meter. If the pipeline is experiencing problems and gas takeaway rates are reduced, the gas will flow through the produced gas emergency flare meter (#\*1111111) to the flare. If an individual well is required to be flared for any safety or operational reason it will be manually routed through the individual well flare meter (#\*1111111) to the flare. The overhead gas from the vapor recovery tower is compressed by an electric drive vapor recovery compressor and then measured by a custody transfer senior orifice meter (#\*1111111). The gas from the vapor recovery system combines with the gas from the lease production meter and flows into the gas gathering pipeline system.

\*Meter numbers will be provided upon installation of meters and completion of the facility.

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

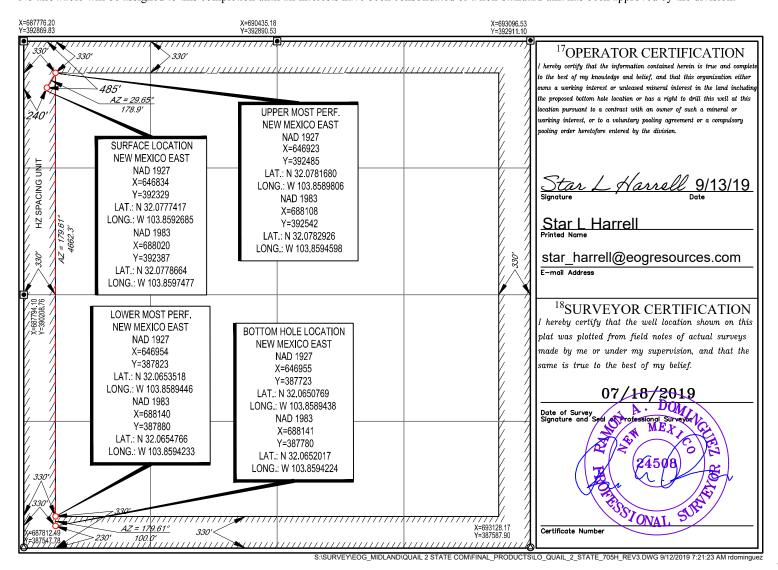
AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

- 1	<sup>1</sup> API Number		<sup>2</sup> Pool Code <sup>3</sup> Pool Name						
	30-015-	30-015- 98220 Purple Sage; Wolf		amp					
- 1	<sup>4</sup> Property Code	-	<sup>5</sup> Pr	operty Name	<sup>6</sup> Well Number				
			QUAIL 2 STATE						
ı	<sup>7</sup> OGRID No.		<sup>9</sup> Elevation						
	7377		3207'						
	10								

<sup>10</sup>Surface Location

UL or lot no.	Section	1 ownsnip	Kange	Lot lan	reet from the	North/South line	reet from the	East/ west fille	County	
D	2	26-S	30-E	_	485'	NORTH	240'	WEST	EDDY	
	<sup>11</sup> 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	2	26-S	30-E	_	230'	SOUTH	330'	WEST	EDDY	
12Dedicated Acres	<sup>13</sup> Joint or l	nfill 14Co	onsolidation Co	de <sup>15</sup> Ord	er No.					
640.00										



Range

Lot Idn

County

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UL or lot no.

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-		98220 Purple Sage; Wolfca		amp
<sup>4</sup> Property Code			operty Name L 2 STATE	<sup>6</sup> Well Number 706H
<sup>7</sup> OGRID No. 7377			oerator Name OURCES, INC.	<sup>9</sup> Elevation 3213'

<sup>10</sup>Surface Location

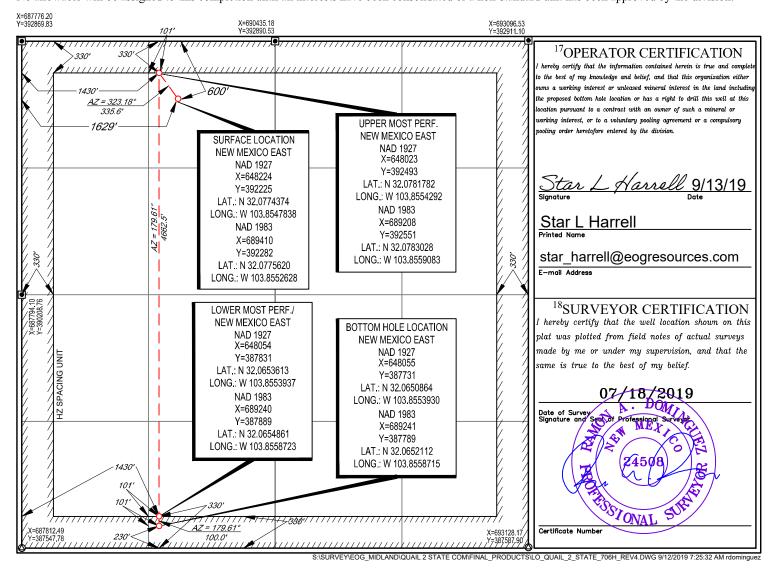
Feet from the

С	2	26-S	30-E	_	600'	NORTH	1629'	WEST	EDDY	
	11Bottom 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	2	26-S	30-E	-	230'	SOUTH	1430'	WEST	EDDY	
12Dedicated Acres	<sup>13</sup> Joint or l	Infill 14Co	nsolidation Co	de <sup>15</sup> Ord	er No.					
640.00										

North/South line

Feet from the

East/West line



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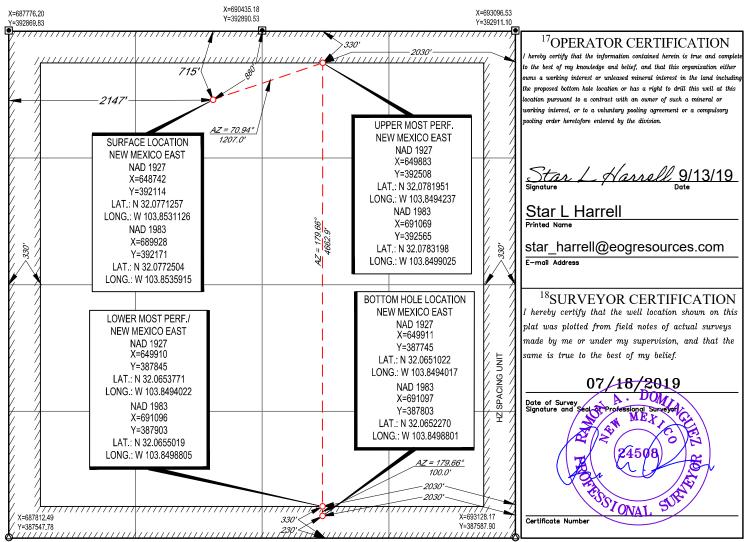
AMENDED	REPORT
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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name		
30-015-		98220	Purple Sage; Wolfcamp		
<sup>4</sup> Property Code	·	<sup>5</sup> Pr	operty Name	<sup>6</sup> Well Number	
325165		QUAIL 2	STATE COM	722H	
<sup>7</sup> OGRID N₀.		<sup>8</sup> Ор	perator Name	<sup>9</sup> Elevation	
7377		EOG RES	OURCES, INC.	3211'	

<sup>10</sup>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	2	26-S	30-E	-	715'	NORTH	2147'	WEST	EDDY
	<sup>11</sup> 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
0	2	26-S	30-E	-	230'	SOUTH	2030'	EAST	EDDY
12Dedicated Acres	<sup>13</sup> Joint or I	nfill 14Co	nsolidation Cod	e <sup>15</sup> Ord	er No.				
640.00									



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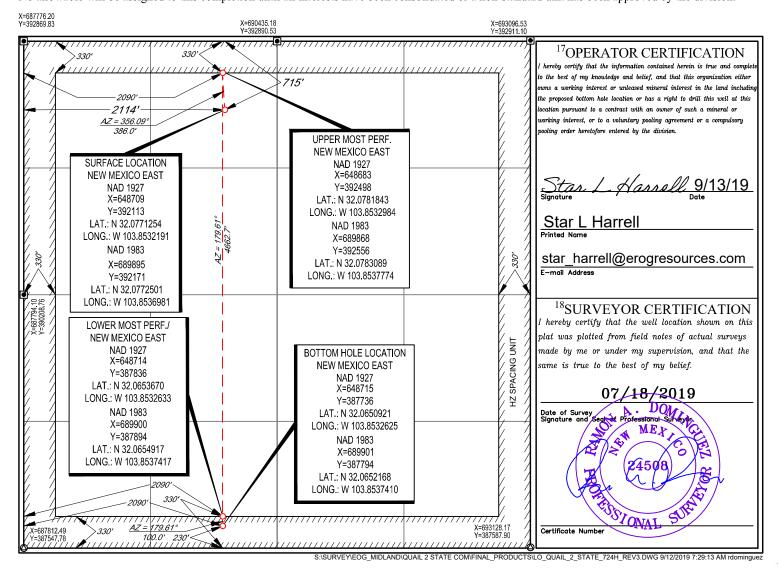
AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name				
30-015-		98220 Purple Sage; Wolfca		amp			
<sup>4</sup> Property Code		<sup>5</sup> Pr	operty Name	<sup>6</sup> Well Number			
		QUAIL 2 STATE					
<sup>7</sup> OGRID No.		<sup>9</sup> Elevation					
7377		EOG RESOURCES, INC.					

<sup>10</sup>Surface Location Feet from the

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	2	26-S	30-E	-	715'	NORTH	2114'	WEST	EDDY
		•	<sup>11</sup> ]	Bottom Ho	le Location If D	oifferent From Su	rface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	26-S	30-E	-	230'	SOUTH	2090'	WEST	EDDY
12Dedicated Acres	<sup>13</sup> Joint or l	Infill 14Co	nsolidation Cod	le <sup>15</sup> Ord	er No.				
640.00									



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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Numb	<sup>1</sup> API Number <sup>2</sup> Pool Code		<sup>3</sup> Pool Name				
30-015-		98220 Purple Sage; Wolfcar		mp			
<sup>4</sup> Property Code		<sup>5</sup> Pr	operty Name	<sup>6</sup> Well Number			
		QUAI	L 2 STATE	725H			
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name					
7377		EOG RESOURCES, INC.					

<sup>10</sup>Surface Location

Feet from the

Range

Lot Idn

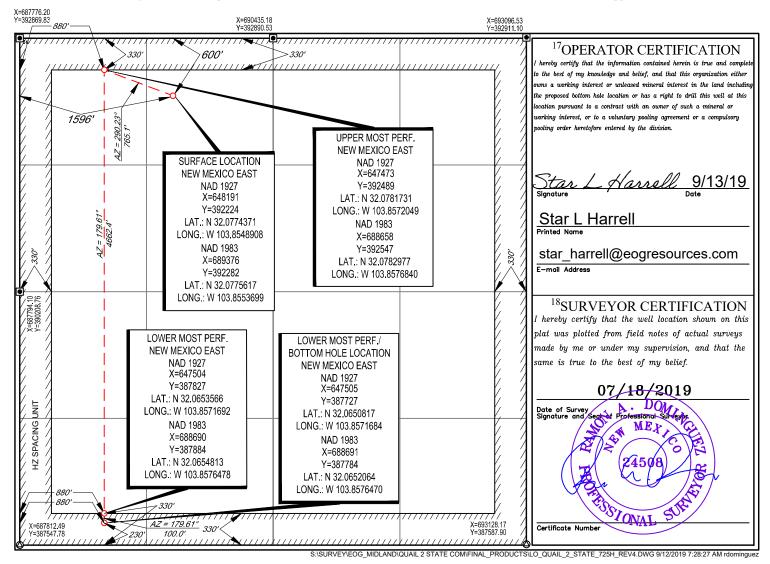
	D	2	26-S	30-E	ı	600'	NORTH	1596'	WEST	EDDY	
	<sup>11</sup> Bottom Hole Location If Different From Surface										_
ſ	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	1
	M	2	26-S	30-E	_	230'	SOUTH	880'	WEST	EDDY	

North/South line

Feet from the

East/West line

12Dedicated Acres 640.00 13Joint or Infill 14Consolidation Code 15Order No.



Range

Lot Idn

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Numbe	er	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name					
30-015-		98220	Purple Sage; Wolfcamp					
<sup>4</sup> Property Code		<sup>6</sup> Well Number						
	L 2 STATE	768H						
<sup>7</sup> OGRID No.		<sup>8</sup> Ор	perator Name	<sup>9</sup> Elevation				
7377		3207'						
10 Sumface Legation								

Surface Location
Feet from the N

North/South line

Feet from the

East/West line

	D	2	26-S	30-E	-	485'	NORTH	273'	WEST	EDDY
•	<sup>11</sup> 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	2	26-S	30-E	_	230'	SOUTH	500'	WEST	EDDY
	12Dedicated Acres	<sup>13</sup> Joint or l	Infill 14Co	nsolidation Co	de <sup>15</sup> Ord	er No.				
	640.00									

