Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
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-103
Revised July 18, 2013

WELL API NO. 30-005-62029

5. Indicate Type of Lease STATE ☑ FEE ☐

6. State Oil & Gas Lease No. L-949

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: St. ET Gas Com

1. Type of Well: Oil Well ☐ Gas Well ☑ Other HOBBS OCD

8. Well Number 1

2. Name of Operator: Marathon Oil Permian, LLC. FEB 11 2020

9. OGRID Number 372098

3. Address of Operator: 5555 San Felipe Houston, TX 77056 RECEIVED

10. Pool name or Wildcat: Buffalo Valley

4. Well Location
Unit Letter J : 1650 feet from the S line and 1650 feet from the E line
Section 36 Township 15S Range 27E County Chaves

11. Elevation (*Show whether DR, RKB, RT, GR, etc.*) 3658.3 GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☑	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. CIBP @ 8,900' w/35'. TIH & circ w/ P&A mud. Pressure Test Casing
2. 30 sx @ 7,309-7,209'.
3. 40 sx @ 5,342-5,242'. P.S.
4. 40 sx @ 3,212-3,112. P.S. Tag. — 25 sx 2100 base of salt
5. 50 sx @ 1,850-1,750. P.S. Tag.
6. 135 sx @ 485'-surf. Verify.

Above ground MARKER

See Attached Conditions of Approv.

Spud Date: Rig Release Date:

P&A mud between all plugs. Closed loop all fluids to licensed facility.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Brody Pinkerton TITLE Agent DATE 1/2/2020

Type or print name Brody Pinkerton E-mail address: PHONE: 432-458-3780

For State Use Only

APPROVED BY: Kerry Fort TITLE CO A DATE 2-12-20

Conditions of Approval (if any):

Wellbore Schematic
Well Name: STATE ET GAS COM 1

State/Province	County	Field Name	Latitude (°)	Longitude (°)	North/South Distance (ft)	North/South Reference
NEW MEXICO	UNITED STATES	BUFFALO VALLEY	32.96960380	-104.18492600	1,650.0	FSL
API/UWI	[redacted]		Ground Elevation (ft)	Casing Flange Elevation	Well Original Completion Date	Well First Production Date
3000562029	[redacted]		3,658.00		8/6/1983	8/26/2012

STATE ET GAS COM 1, 12/10/2019 4:58:55 PM

MD (ftKB)	Vertical schematic (actual)
0.0	
8.9	Casing Joints; 13.375; 72.00; J55; 9.0-435.0
435.0	Surface Casing Cement; 9.0-435.0
1,799.9	Casing Joints; 8.625; 32.00; J55; 9.0-1,800.0
3,162.1	Intermediate Casing Cement; 9.0-1,800.0
4,255.9	T. Glorieta
5,292.0	T. Tubb
6,269.8	1-1; Tubing; 2.375; 2.000; 0.0; 8,920.00
7,259.8	Casing Joints; 5.500; 17.00; K55; 9.0-9,200.0
8,478.0	T. Abo
8,764.1	T. Cisco (Bough C)
8,919.9	Production Casing Cement; 6,260.0-9,200.0
8,922.9	T. Strawn
8,996.1	T. Atoka
8,998.0	1-2; Packer; 4.780; 8,920.0; 3.00
9,009.8	8,996.0-9,010.0; Perf; Shot Dens: Calculated Shot Total: 1 Phasing: Linked Zone; T. Morrow
9,051.8	9,052.0-9,066.0; Perf; Shot Dens: Calculated Shot Total: 1 Phasing:
9,066.9	Linked Zone;
9,378.1	Cement Retainer; 9,076.0-9,080.0
9,080.1	Cement Plug - Permanent; 9,080.0-9,150.0
9,086.0	9,086.0-9,110.0; Perf; Shot Dens: Calculated Shot Total: 1 Phasing:
9,109.9	Linked Zone;
9,149.9	
9,200.1	

MarathonOil

Post Plugging Wellbore Schematic
Well Name: STATE ET GAS COM 1

State/Province	Country	Field Name	Latitude (°)	Longitude (°)	North/South Reference (ft)	North/South Reference
NEW MEXICO	UNITED STATES	BUFFALO VALLEY	32.96960380	-104.18492800	1,650.0	FSL
API / UWI	KB-Ground Distance (ft)	KB-Mud Line Distance (ft)	Ground Elevation (ft)	Casing Flg Elevation	Well Original Completion Date	Well First Production Date
3000562029	9.00		3,656.00		8/8/1983	6/26/2012

STATE ET GAS COM 1, 12/10/2019 4:58:56 PM

MD (ftKB)

0.0
8.9
435.0
1,799.9
3,102.1
4,255.9
5,202.0
6,259.8
7,259.8
8,478.0
8,764.1
8,919.9
8,922.9
8,996.1
9,000.0
9,009.8
9,051.8
9,065.9
9,078.1
9,080.1
9,086.0
9,109.9
9,149.9
9,200.1

Dry Hole Marker

Perf. Sqz 135sx @ 485'-Surface
Visually Verify

Perf. Sqz 50sx @ 1850'-1750' Tag

Perf. Sqz 40sx @ 3212'-3112' Tag

Perf. Sqz 40sx @ 5342'-5242'

30sx @ 7309'

5.5" CIBP @ 8900' W/35' Class H

9,000.0-9,010.0; Perf; Shot Dens:
Calculated Shot Total: 1
Phasing:
Linked Zone:

9,052.0-9,066.0; Perf; Shot Dens:
Calculated Shot Total: 1
Phasing:
Linked Zone:

Cement Retainer; 9,078.0-9,080.0

9,086.0-9,110.0; Perf; Shot Dens:
Calculated Shot Total: 1
Phasing:
Linked Zone:

Casing Joints; 13.375; 72.00; J55; 9.0-435.0
Surface Casing Cement; 9.0-435.0
Casing Joints; 8.625; 32.00; J55; 9.0-1,800.0
Intermediate Casing Cement; 9.0-1,800.0

T. Glorieta

T. Tubb

Casing Joints; 5.500; 17.00; K55; 9.0-9,200.0

T. Abo

T. Cisco (Bough C)
Production Casing Cement; 3,260.0-9,200.0

T. Strawn

T. Atoka

T. Morrow

Cement Plug - Permanent; 9,080.0-9,150.0

CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify **NMOCD District Office I (Hobbs) at (575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.

2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.

3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.

4. Filing a subsequent C-103 will serve as notification that the well has been plugged.

5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.

6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.

7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.

8. Produced water will not be used during any part of the plugging operation.

9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.

10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.

11. Class 'C' cement will be used above 7500 feet.

12. Class 'H' cement will be used below 7500 feet.

13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged

14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set

17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.

18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).