

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

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.)		WELL API NO. 30-015-42732
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> NM OIL CONSERVATION		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Marathon Oil Permian LLC		6. State Oil & Gas Lease No.
3. Address of Operator 5555 San Felipe Rd Houston, TX 77057		7. Lease Name or Unit Agreement Name Sterling 20 State
4. Well Location Unit Letter <u>P</u> : <u>240</u> feet from the <u>FSL</u> line and <u>330</u> feet from the <u>FEL</u> line Section <u>20</u> Township <u>23S</u> Range <u>28E</u> NMPM EDDY County		8. Well Number 002H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3169		9. OGRID Number 372098
		10. Pool name or Wildcat Purple Sage Wolfcamp

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input checked="" type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

9/19/17 - Spud well, notified NMOCD. Drill 17.5" hole to 595', circulate hole clean and run 13.325" csg, cement csg and observed full returns. NUBOP and test choke manifold, floor valves, top drive valves to 250 low 5000 high, back up pumps 250 low 5000 high, test upper rams with 4" drill pipe to 250 low 5000 high, test annular 250 low 2500 high, test 13.325" csg, held. PU directional tools. Drill 12.25" hole to 2015' TD, circulate hole clean, TOH LD BHA, RU csg equipment. NMOCD notified of upcoming casing and cementing job. Run 9.625" csg, circulate and cement csg, install and test packoff to 5000# for 15 minutes, good, TIH test casing, held. Drill 8.75" section to TD 9216', notified NMOCD of upcoming csg and cementing work, circulate clean, run 7" csg, circulate and cement, pressure test csg, held. Drill 5.5 section in lateral to TD 13979' run 4.5 csg liner, notified NMOCD of cement job, pressure tested csg, held. RD NDBOP. Release rig.. (SEE DETAIL SHEET FOR CASING, CEMENT, AND PRESSURE TESTS.)

Spud Date:

9/19/17

Rig Release Date:

10/8/17

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

SIGNATURE Jennifer Van Curen TITLE Sr Regulatory DATE 11/21/17

Type or print name Jennifer Van Curen E-mail address: jvancuren@marathonoil.com PHONE: 713 296 2500

For State Use Only

APPROVED BY: [Signature] TITLE Staff Mgr DATE 12-6-17
Conditions of Approval (if any):

Sterling 20 State 2H Casing and Cement Operations				
Casing detail	Surface	Intermediate	Production	Liner
Date	9/22/2017	9/24/2017	9/29/2017	10/6/2017
Hole size	17.5	12.25	8.75	5.5
Casing size	13.375	9.625	7	4.5
Weight	54.5	40	29	13.5
Type	J55	L80 IC	P110 IC	P110-CY
Thread	BTC	BTC	TXP-BTX	TXP
Depth	580	2000	9201	13970
Amount jnts	13	45	201	400
Cement detail				
Date	9/23/2017	9/24/2017	9/30/2017	10/7/2017
Top depth KB	26.5	26.5	26.5	26.5
Bottom depth KB	595	2015	9216	8332
Lead sks		493	714	
Tail sks	670	148	175	571
Gel spacer bbl	20	20	20	30
Class	C	C	C	C
Circulate to surface (amt)	270	162	87	92
WOC to 500 psi	6.35	5.26	8.06	20.49
Top meas. method	Circulate	Circulate	Circulate	Circulate
TOC	Surface	Surface	Surface	Surface
Pressure testing				
Date	9/23/2017	9/24/2017	10/3/2017	10/7/2017
PSI	1500	1500	1500	3680
Time	30	30	30	30
Bled off	1500	1500	1500	3680
Good test	yes	yes	yes	yes

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 06 2017

RECEIVED