

Santa Fe Main Office

Phone: (505) 476-3441 Fax: (55) 476-3462

General Information

Phone: (505) 629-6116

Online Phone Directory Visit:

<https://www.emnrd.nm.gov/ocd/contact-us/>State of New Mexico
Energy, Minerals and Natural ResourcesForm C-103
Revised July 18, 2013OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505WELL API NO.
30-025-410615. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Encore M State

8. Well Number 10

9. OGRID Number
370080

10. Pool name or Wildcat

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other2. Name of Operator
Breitburn Operating LP3. Address of Operator
1000 Main Street Ste 2900 Houston, TX 77002

4. Well Location

Unit Letter M : 770 feet from the South line and 770 feet from the West line
Section 17 22S Township 37E Range NMPM County11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3396

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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.

BOLP is submitting the attached work for work to remediate the Encore well that failed its BH/MIT.

Spud Date:

Rig Release Date:

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

SIGNATURE Nicole Lee TITLE Regulatory Lead DATE 10/9/2024Type or print name Nicole Lee E-mail address: nicole.lee@mavresources.com PHONE: 713-437-8097
For State Use OnlyAPPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____



ENCORE M STATE 10 CASING REPAIR

Primary Engineer: Rico Jaramillo – Cell: 210-607-9593

Well Data







Well Header				
API # 3002541061	Division FOUNDATION	Region RG_W_PERMIAN_NM	Area A_BLINEBRY_DRINKARD	
Spud Date 5/17/2013	KB Elevation (ft) 3,408.60	Ground Elevation (ft) 3,396.00	KB-Ground Distance (ft) 12.60	Total Depth (ft/B) 6,874.0
Well Sub-Status ACTIVE	Well Type OIL PRODUCER	Well Status PRODUCING	Well Lift Type ROD PUMP	Well Configuration Type VERTICAL

Casing:



Casing Strings											
Casing String: CONDUCTOR 20" Set Depth: 52.6											
Casing Description CONDUCTOR	Run Date 5/14/2013 09:00	OD (in) 20	OD Nom M... 20	ID (in)	ID Nom M...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ft/B)	Set Depth...	
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Stm (ft/B)	Top (TVD) (ft/B)	Stm (TVD) (ft/B)
Conductor	0	20		56.00		40.00	1	12.6	52.6		
Casing String: SURFACE 13 3/8" Set Depth: 1,215.0											
Casing Description SURFACE	Run Date 5/19/2013 23:00	OD (in) 13 3/8	OD Nom M... 14 3/8	ID (in) 12.62	ID Nom M...	Wt/Len (lb/ft) 54.50	String Grade J-55	Length (ft) 1,202.43	Top (ft/B) 12.6	Set Depth...	
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Stm (ft/B)	Top (TVD) (ft/B)	Stm (TVD) (ft/B)
Casing Joints	0	13 3/8	12.615	54.50	J-55	0.00	0	12.6	12.6		
Casing Joints Cut off	0	13 3/8	12.615	54.50	J-55	0.00	0	12.6	12.6		
Casing Joints	26	13 3/8	12.615	54.50	J-55	1,154.30	26	12.6	1,166.9		1,166.8
Float Collar	1	14 3/8	12.615	54.50	J-55	1.50	1	1,166.9	1,168.4	1,166.8	1,168.3
Casing Joints	1	13 3/8	12.615	54.50	J-55	45.16	1	1,168.4	1,213.5	1,168.3	1,213.5
Float Shoe	1	14 3/8	12.615	54.50	J-55	1.47	1	1,213.5	1,215.0	1,213.5	1,215.0
Casing String: OPEN HOLE 8 5/8" Set Depth: 4,008.0											
Casing Description OPEN HOLE	Run Date 5/28/2013 23:00	OD (in) 8 5/8	OD Nom M... 8 5/8	ID (in) 7.92	ID Nom M...	Wt/Len (lb/ft) 32.00	String Grade J-55	Length (ft) 3,995.40	Top (ft/B) 12.6	Set Depth...	
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Stm (ft/B)	Top (TVD) (ft/B)	Stm (TVD) (ft/B)
Casing Joints Cut off	0	8 5/8	7.921	32.00	J-55	0.00	0	12.6	12.6		
Casing Joints	88	8 5/8	7.921	32.00	J-55	3,948.27	88	12.6	3,960.9		3,960.3
Float Collar	1	8 5/8	7.921	32.00	J-55	1.00	1	3,960.9	3,961.9	3,960.3	3,961.3
Casing Joints	1	8 5/8	7.921	32.00	J-55	45.13	1	3,961.9	4,007.0	3,961.3	4,006.4
Float Shoe	1	8 5/8				1.00	1	4,007.0	4,008.0	4,006.4	4,007.4
Casing String: PRODUCTION 5 1/2" Set Depth: 6,865.0											
Casing Description PRODUCTION	Run Date 6/3/2013 20:48	OD (in) 5 1/2	OD Nom M... 5 1/2	ID (in) 4.78	ID Nom M...	Wt/Len (lb/ft) 20.00	String Grade N-80	Length (ft) 6,852.43	Top (ft/B) 12.6	Set Depth...	
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Stm (ft/B)	Top (TVD) (ft/B)	Stm (TVD) (ft/B)
Marker Joint	0	5 1/2	4.778	20.00	N-80	0.00	0	12.6	12.6		
Casing Joints	1	5 1/2	4.778	20.00	N-80	28.00	1	12.6	40.6		
CUT OFF Casing Joints	0	5 1/2	4.778	20.00	N-80	0.00	0	40.6	40.6		
Casing Joints	8	5 1/2	4.778	20.00	N-80	342.66	8	40.6	383.2		
Marker Joint	1	5 1/2	4.778	20.00	N-80	42.07	1	383.2	425.3		
Casing Joints	139	5 1/2	4.778	20.00	N-80	5,964.96	139	425.3	6,390.3		6,389.2
Marker Joint	1	5 1/2	4.778	20.00	N-80	20.98	1	6,390.3	6,411.2	6,389.2	6,410.2
Casing Joints	6	5 1/2	4.778	20.00	N-80	258.03	6	6,411.2	6,669.3	6,410.2	6,668.2
Marker Joint	1	5 1/2	4.778	20.00	N-80	20.98	1	6,669.3	6,690.3	6,668.2	6,689.2
Casing Joints	3	5 1/2	4.778	20.00	N-80	128.73	3	6,690.3	6,819.0	6,689.2	
Float Collar	1	5 1/2	4.778	20.00	N-80	1.50	1	6,819.0	6,820.5		
Casing Joints	1	5 1/2	4.778	20.00	N-80	43.02	1	6,820.5	6,863.5		
Float Shoe	1	5 1/2	4.778	20.00	N-80	1.50	1	6,863.5	6,865.0		

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Tubing:

Tubing Detail																
Item Desc	Icon	OD (in)	ID (in)	WT (lb/ft)	Grade	Drift (in)	Max OD (in)	Qty	Len (ft)	Type	Make	Model	Top (ft/B)	Btm (ft/B)	Cum Len (ft)	Conn Type
TUBING		2 7/8	2.26	8.50	L-80	2.17	3.50	202	6,639.61	Tubing	T&C	Non-Upset	0.0	6,639.6	6,708.61	
COPY ENDURALLOY		2 7/8	2.44	6.50	L-80			1	32.50				6,639.6	6,672.1	69.00	
CUP SEATING NIPPLE		0.0	2.13	6.50	L-80			1	1.10	Nipple			6,672.1	6,673.2	36.50	
ANCHOR/CATCHER		5 1/2	2.26					1	3.20	Anchor			6,673.2	6,676.4	35.40	
SLOTTED JOINT		0.0	0.00		L-80			1	31.70	Nipple			6,676.4	6,708.1	32.20	
BULL PLUG		0.0	0.00		L-80			1	0.50	Other			6,708.1	6,708.6	0.50	

Rods:

Rod Components																
Qty	Item Desc	Icon	Type	OD (in)	ID (in)	Max OD (in)	WT (lb/ft)	Grade	Len (ft)	Top (ft/B)	Btm (ft/B)	Make	Model	Cond Run	Cond Pull	Min Tensile (1000lb)
1	POLISHED ROD			1 1/2					26.00	-10.8	15.2	NORRIS	NORLOY STEEL			100
1	ROD SUB				1				2.00		17.2					
1	ROD SUB				1				6.00		17.2					
1	ROD SUB				1				8.00		23.2					
66	FIBERGLASS SUCKER ROD			1 1/4			1.47		2,475.00		31.2	NORRIS				
145	SUCKER ROD			7/8			1.14	K	3,625.00		2,506.2	NORRIS	GRADE 40			85
19	SINKER BAR			1 1/2			6.01		475.00		6,131.2	NORRIS				90
1	ON-OFF TOOL			0.0					1.00		6,606.2					
1	SINKER BAR			1 1/2			6.01		25.00		6,607.2	NORRIS				90
1	ROD INSERT PUMP			2 1/2					25.00		6,632.2					
1	GAS ANCHOR			1 1/4					16.00		6,657.2					

Objective: POOH w/ existing downhole equipment. Determine leaking depth interval(s) with RBP and Packer. Perform cement squeeze to remediate leaks. Drill out excess cement. Confirm no more communication between casing strings. Install downhole production equipment. RTP Well.

Procedure:**PERFORM ALL WORK SAFELY**

Safety: The safety of the crew, company representative, and protection of the environment is of the utmost priority. If any member of Maverick Natural Resources, a Service Company, or a third party observer feels that the work is being performed in an unsafe manner, shut the job down and discuss what needs to be done to safely address the issues at hand. If needed, shut down the work and resume the next day.

1. Inspect the well location. Use H₂S monitor equipment as necessary to ensure there is not dangerous levels of H₂S in the area. If H₂S is detected, discuss safety procedures with the supervisor
2. Test anchors if haven't been tested in the last two years
3. Utilize LOTO for energy isolation.
4. MIRU Workover rig. Hold a safety and procedural meeting with all onsite personnel. Ensure everyone knows their duty and how to perform it safely. Discuss H₂S safety and workover plan. Obtain a head count. Point forward there will be no unauthorized persons allowed on location and each new person will be oriented.
5. Unlatch rods, LD horse head, POOH LD Rod String.
 - a. Lay down entire rod string and send to TRC for inspection.
 - b. Note any abnormalities on the rods with depths (for RCFA data capture, note in WV)
 - c. Contact chemical rep to gather any samples of foreign material
6. Send in pump for teardown. Make note of any damage or debris in or on pump
 - a. If heavy paraffin is noted on rod string. Plan to hot oil tubing.
 - b. Ensure teardown report is sent to Engineer.

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7. ND WH and NU & Test BOPs. MIRU tubing scanners.
8. Release TAC and Scan OOH w/ tubing LD any RB or GB joints.
 - a. Note any external issues with tubing in WV.
9. RIH with RBP and Packer
 - a. Determine leaking intervals in production casing
 - b. Perform cement squeeze to remediate
10. Drill out excess cement in wellbore
 - a. Perform pressure test to ensure successful squeeze
11. PU and RIH Hydrotesting Tubing
 - a. Adhere to same BHA design, TAC Depth, and PSN Depth as previous
12. PU and RIH with the pump and rod string
 - a. Adhere to the same pump/rod design as previous
 - b. Rod replacements will be from inspected inventory
13. Space out pump
14. Load test tubing to 500 psi.
15. Stroke pump with rig to verify pump action
16. RDMO. Remove LOTO
17. Turn well over to production

Rico Jaramillo

October 7, 2024

Current Wellbore Sketch

Vertical schematic (actual)	MD (ftKB)	Column list (actual)		
		Date	No.	Des
	0.0	6/14/2013		Sand Frac
	12.5			
	17.1			
	31.2	5/14/2013		CONDUCTOR
	39.0			
	44.9			
	53.1	5/14/2013	1	CONDUCTOR
	425.2	5/14/2013		CONDUCTOR CEMENT
	1,168.3	5/19/2013		SURFACE
	1,214.9	5/19/2013	2	SURFACE
	2,419.9	5/19/2013		SURFACE CASING CEMENT
	2,527.9	5/28/2013		INTERMEDIATE
	3,961.9	11/14/2023	8	ROD
	4,007.9	3/29/2023	6	ROD
	5,083.0	11/13/2023	6	TUBING - PRODUCTION
	6,101.0	5/28/2013		Intermediate Casing Cement
	6,152.9	5/28/2013	3	OPEN HOLE
	6,390.4	6/2/2013		PRODUCTION
	6,411.1			
	6,420.9	9/10/2015	2 SX	BRIDGE PLUG - TEMPORARY
	6,495.1	6/15/2013		PERFORATED
	6,508.9	6/15/2013		PERFORATED
	6,525.9	6/15/2013		PERFORATED
	6,532.2	6/15/2013		PERFORATED
	6,540.0	6/15/2013		PERFORATED
	6,547.9	6/15/2013		PERFORATED
	6,555.1	6/15/2013		PERFORATED
	6,562.0	6/15/2013		PERFORATED
	6,567.9	6/15/2013		PERFORATED
	6,580.1	6/14/2013		PERFORATED
	6,588.1	6/14/2013		PERFORATED
	6,606.3			
	6,611.9	6/14/2013		PERFORATED
	6,625.0	6/14/2013		PERFORATED
	6,628.9			
	6,634.8	6/14/2013		PERFORATED
	6,639.8			
	6,642.1	6/14/2013		PERFORATED
	6,648.0	6/14/2013		PERFORATED
	6,657.2			
	6,669.3			
	6,673.2			
	6,679.1			
	6,694.9			
	6,708.7			
	6,753.9	6/12/2013		PERFORATED
	6,820.5	6/18/2013		Plug Back Total Depth
	6,865.2	6/3/2013	4	PRODUCTION
		6/3/2013		PRODUCTION CASING CEMENT

Note: REFER TO FULL WBD DETAILS IN WELLVIEW.

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 391051

CONDITIONS

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 391051
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Notify NMOCD before MIRU Keep NMOCD informed of progress and or any issues	10/9/2024