

Santa Fe Main Office

Phone: (505) 476-3441 Fax: (505) 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 87505

WELL API NO. 30-025-45691
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Encore M State
8. Well Number 024
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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Breitburn Operating LP	
3. Address of Operator 1000 Main Street Ste 2900	
4. Well Location Unit Letter K : 1356 feet from the South line and 2316 feet from the West line Section 20 Township 22S Range 37E NMPM County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3377'	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" 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 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.

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 10/9/2024

Type or print name Nicole Lee E-mail address: nicole.lee@mavresources.com PHONE: 713-437-8097

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



ENCORE M STATE 24 CASING REPAIR

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

Well Data






Well Header				
API #	Division	Region	Area	
3002545691	FOUNDATION	RG_W_PERMIAN_NM	A_BLINEBRY_DRINKARD	
Spud Date	KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Total Depth (ft/B)
5/26/2019	3,392.00	3,377.00	15.00	7,649.0
Well Sub-Status	Well Type	Well Status	Well Lift Type	Well Configuration Type
ACTIVE	OIL PRODUCER	PRODUCING	ROD PUMP	VERTICAL

Casing:













Casing Strings											
Casing String: CONDUCTOR 24" Set Depth: 80.0											
Casing Description	Run Date	OD (in)	OD Nom M...	ID (in)	ID Nom Mf...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ft/B)	Set Depth ...	
CONDUCTOR	4/1/2019 00:00	24	24					80.00	0.0		
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Btm (ft/B)	Top (TVD) (ft/B)	Btm (TVD) (ft/B)
CONDUCTOR PIPE	0	24				80.00		0.0	80.0		
Casing String: SURFACE 13 3/8" Set Depth: 1,175.0											
Casing Description	Run Date	OD (in)	OD Nom M...	ID (in)	ID Nom Mf...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ft/B)	Set Depth ...	
SURFACE	5/28/2019 00:00	13 3/8	13 3/8			54.50	J-55	1,178.78	-3.8		
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Btm (ft/B)	Top (TVD) (ft/B)	Btm (TVD) (ft/B)
SHOE	1	13 3/8		54.50	J-55	1.81	1	-3.8	-2.0		
CASING JOINTS	1	13 3/8		54.50	J-55	42.11	1	-2.0	40.1		
FLOAT COLLAR	1	13 3/8		54.50	J-55	1.50	1	40.1	41.6		
CASING JOINTS	27	13 3/8		54.50	J-55	1,133.36	27	41.6	1,175.0		
Casing String: INTERMEDIATE 9 5/8" Set Depth: 4,498.0											
Casing Description	Run Date	OD (in)	OD Nom M...	ID (in)	ID Nom Mf...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ft/B)	Set Depth ...	
INTERMEDIATE	6/2/2019 10:30	9 5/8	9 5/8			40.00	K-55	4,499.83	-1.8	4,497.6	
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Btm (ft/B)	Top (TVD) (ft/B)	Btm (TVD) (ft/B)
LANDING JOINT	1	9 5/8				23.18	1	-1.8	21.3		
CASING JOINTS	71	9 5/8		40.00	K-55	2,996.06	71	21.3	3,017.4		3,017.1
DV TOOL	0	9 5/8				0.00	1	3,017.4	3,017.4	3,017.1	3,017.1
CASING JOINTS	33	9 5/8		40.00	K-55	1,393.07	33	3,017.4	4,410.5	3,017.1	4,410.1
FLOAT COLLAR	1	9 5/8				1.45	1	4,410.5	4,411.9	4,410.1	4,411.5
CASING JOINTS	2	9 5/8		40.00	K-55	84.50	2	4,411.9	4,496.4	4,411.5	4,496.0
SHOE	1	9 5/8				1.57	1	4,496.4	4,498.0	4,496.0	4,497.6
Casing String: PRODUCTION 5 1/2" Set Depth: 7,630.0											
Casing Description	Run Date	OD (in)	OD Nom M...	ID (in)	ID Nom Mf...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ft/B)	Set Depth ...	
PRODUCTION	6/7/2019 04:00	5 1/2	5 1/2	4.67	4.67	23.00	L80	7,633.46	-3.5		
Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ft/B)	Btm (ft/B)	Top (TVD) (ft/B)	Btm (TVD) (ft/B)
CASING JOINTS	138	5 1/2	4.67	23.00	L80	6,201.35	138	-3.5	6,197.9		6,197.3
DV TOOL	1	5 1/2				2.46	1	6,197.9	6,200.4	6,197.3	6,199.8
CASING JOINTS	30	5 1/2	4.67	23.00	L80	1,344.79	30	6,200.4	7,545.1	6,199.8	7,544.6
FLOAT COLLAR	1	5 1/2				1.33	1	7,545.1	7,546.5	7,544.6	7,545.9
CASING JOINTS	2	5 1/2	4.67	23.00	L80	82.09	2	7,546.5	7,628.6	7,545.9	
SHOE	1	5 1/2				1.44	1	7,628.6	7,630.0		

October 9, 2024

Tubing:

Tubing Detail																
Item Des	ISO #	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
KB CORRECTION TUBING		2 7/8	2.44	6.50	L-80	2.35	3.67	218	7,104.05	Tubing		T&C Upset	-46.0	-31.0	7,166.17	No
SEATING NIPPLE		2 7/8	2.31	6.50	P-110			1	1.10	Nipple			-31.0	7,073.0	7,151.17	No
ANCHOR/CATCHER		5 1/2	2.44	6.50	SPEC			1	3.12				7,073.0	7,074.1	47.12	No
TUBING		2 7/8	2.44	6.50	L-80	2.35	3.67	1	32.74	Tubing		T&C Upset	7,074.1	7,077.3	46.02	No
MAGNET		2 3/8	0.00	7.50	SPEC			2	10.16				7,077.3	7,110.0	42.90	No
													7,110.0	7,120.2	10.16	No

Rods:

Rod Components																
Qty	Item Des	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 (1000lbf)
1	DEPTH CORRECTION			0.0	0.00		0.00	0	15.00	-0.4	14.6					
1	CONTINUOUS SUCKER ROD			1			2.67	D	4.00	14.6	18.6	COROD	6			115
1	POLISHED ROD			1 1/2	0.00		4.60	SPECI AL	26.00	18.6	44.6	NORRIS	CHROME D			125
81	FIBERGLASS SUCKER ROD			1 1/4	0.00		1.47	FIBER GLASS	3,037.50	44.6	3,082.1	NORRIS				
44	SUCKER ROD			7/8	0.00		2.22	D	1,100.00	3,082.1	4,182.1	NORRIS	GRADE 75			120
38	SUCKER ROD			7/8	0.00		2.22	K	950.00	4,182.1	5,132.1	NORRIS	GRADE 40			85
62	SUCKER ROD			7/8	0.00		2.22	K	1,550.00	5,132.1	6,682.1	NORRIS	GRADE 40			85
15	K-BAR			1 1/2	0.00		4.30	SPECI AL	375.00	6,682.1	7,057.1					
1	SHEAR TOOL			7/8	0.00		4.20	SPECI AL	1.00	7,057.1	7,058.1					
1	K-BAR			1 1/2	0.00		4.30	SPECI AL	25.00	7,058.1	7,083.1					
1	STABILIZER			1	0.00		2.90	SPECI AL	1.00	7,083.1	7,084.1					
1	ROD INSERT PUMP			1 3/4	0.00		5.10	SPECI AL	21.00	7,084.1	7,105.1					
1	GAS ANCHOR			1 1/4	1.38		1.14	SPECI AL	14.00	7,105.1	7,119.1					

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)

● Page 3

October 9, 2024

- 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.
- 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 3, 2024

Current Wellbore Sketch

Vertical schematic (actual)	MD (ftKB)	Column list (actual)			
		Date	No.	Des	OD
	-45.9				
	-31.2				
	-0.3				
	14.4				
	15.1				
	18.7				
	21.3				
	40.0				
	41.7				
	44.6	4/2/2019		CONDUCTOR	24
	80.1	4/1/2019	1	CONDUCTOR	24
		4/2/2019		CONDUCTOR CEMENT	
	1,174.9	5/27/2019		SURFACE	17 1/2
	1,180.1	5/28/2019	2	SURFACE	13 3/8
		5/28/2019		SURFACE CASING CEMENT	
	2,417.0				
	3,014.1	6/1/2019		INTERMEDIATE	12 1/4
		6/2/2019		INTERMEDIATE CASING CEMENT	
	3,017.4				
	3,082.0	5/14/2021	2	TUBING - PRODUCTION	2 7/8
	4,182.1	5/14/2021	2	ROD	1 1/4
	4,410.4				
	4,412.1				
	4,496.4				
	4,498.0	6/2/2019		INTERMEDIATE CASING CEMENT	
	4,507.9	6/2/2019	3	INTERMEDIATE	9 5/8
	5,131.9				
	6,160.1	6/5/2019		PRODUCTION	8 3/4
	6,196.9	11/10/2020		Plug Back Total Depth	
		6/8/2019		PRODUCTION CASING CEMENT	
	6,197.8				
	6,200.5				
	6,682.1				
	7,057.1				
	7,058.1				
	7,073.2				
	7,074.1				
	7,077.1				
	7,083.0				
	7,084.0				
	7,105.0				
	7,109.9				
	7,119.1				
	7,120.1				
	7,545.3				
	7,546.6				
	7,628.6				
	7,629.9	6/7/2019	4	PRODUCTION	5 1/2
		6/8/2019		PRODUCTION CASING CEMENT	
	7,648.9			ORIGINAL HOLE	

2; ROD; -0.5

2; TUBING - PRODUCTION; 2 7/8; -46.0

Note: REFER TO FULL WBD DETAILS IN WELLVIEW.

District I
1625 N. French Dr., Hobbs, NM 88240
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District II
811 S. First St., Artesia, NM 88210
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District III
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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 391048

CONDITIONS

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 391048
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Notify NMOCD before MIRU Keep NMOD aware of progress and any changes or issues Perform BHT	10/9/2024