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 Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-41019

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

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: Ruby Federal

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

8. Well Number 051

2. Name of Operator: Maverick Permian LLC

9. OGRID Number: 331199

3. Address of Operator: 1000 Main Street Ste 2900 Houston, TX 77002

10. Pool name or Wildcat

4. Well Location
Unit Letter N : 330 feet from the South line and 2155 feet from the West line
Section 17 Township 17S Range 32E NMPM County

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

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.

Maverick Permian LLC is requesting approval ofd the attached tubing repair plan for an inactive well. The well qwill be RTP once work is completed.

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 10/30/2024

Type or print name Nicole Lee E-mail address: nicole.lee@mavresources.com PHONE: 10/30/2024

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAVERICK
NATURAL RESOURCES

RUBY FEDERAL #51

API# 30-025-41019

Pump Repair - Hole in Tubing

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

Well Data:

KB: 13.6’

See attached Wellbore Diagram for Casing, Cementing, Tubing, Rod String and Survey Details.

Casing:

Conductor: 16”, 65 ppf, H-40 landed at 75’
Surface: 8-5/8”, 24 ppf, J-55 landed at 745.6’
Production: 5-1/2”, 17 ppf, L-80 landed at 6,978.6’
Marker Joint @ 5,421’
PBTD @ 6,937’

Tubing:

Tubing Detail

Item Des	Icon	OD (in)	ID (in)	Wt (lb/ft)	Grade	Drift (in)	Max OD (in)	Qty	Len (ft)	Typ	Make	Model	Top (ftKB)	Btm (ftKB)	Cum Len (ft)	Conn Type	Conn Thread	Conn Sz (in)	Upset	Ln to Surf?	Cond Pull	Cond Run	Com
Tubing		2 7/8	2.44	6.50	J-55	2.35	3.67	170	5,291.57	Tubing		T&C Upset	13.5	5,305.1	6,747.52		EUE 8...			No		Good	
Tubing Marker Sub		2 7/8	2.44	6.50	J-55	2.35	3.67	1	8.10	Tubing		T&C Upset	5,305.1	5,313.1	1,455.95					No		Good	
Tubing		2 7/8	2.44	6.50	J-55	2.35	3.67	2	63.00	Tubing		T&C Upset	5,313.1	5,376.1	1,447.85					No		Good	
Anchor 5 1/2 X 2 7/8		4.995	2.44	30.00	TAC			1	2.75	Other			5,376.1	5,378.9	1,384.85					No		Good	
Tubing		2 7/8	2.44	6.50	J-55	2.35	3.67	43	1,347.95	Tubing		T&C Upset	5,378.9	6,726.8	1,382.10					No		Good	
SS Drain Valve w/ceramic disk		2 7/8	2.44		SS			1	0.45	Other			6,726.8	6,727.3	34.15					No		Good	
Tubing TK 99		2 7/8	2.44	6.50	J-55	2.35	3.67	1	32.60	Tubing		T&C Upset	6,727.3	6,759.9	33.70					No		New	
Pump Seating Nipple		2 7/8	2.28		SN			1	1.10	Other			6,759.9	6,761.0	1.10					No		New	

Rods:

Rod Components

Qty	Item Des	Icon	Type	OD (in)	ID (in)	Max OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	Make	Model	Cond Run	Cond Pull	Min Tensile (1000lbf)
1	Polished Rod SM		Polish Rod	1 1/2					26.00	0.4	26.4	Norris		New		
3	Sucker Rod		Rod	7/8				SPCL APP	23.00	26.4	49.4	Norris	97	Good		
64	Sucker Rod		Rod	7/8				SPCL APP	1,600.00	49.4	1,649.4	Norris	97	Good		
34	Sucker Rod 3 guides/rod		Rod	7/8				SPCL APP	850.00	1,649.4	2,499.4	Norris	97	Good		
64	Sucker Rod 3 guides/rod		Rod	3/4				SPCL APP	1,600.00	2,499.4	4,099.4	Norris	97	Good		
89	Sucker Rod		Rod	3/4				SPCL APP	2,225.00	4,099.4	6,324.4	Norris	97	Good		
16	Sinker Bars w/centralizers		Rod	1 1/2				C	412.00	6,324.4	6,736.4			Good		
1	Back off coupling		Other	1 1/2					0.62	6,736.4	6,737.0			New		
1	Rod Insert Pump		Rod Pump	1 1/4					24.00	6,737.0	6,761.0			New		
1	Strainer Nipple		Other	1					1.00	6,761.0	6,762.0					
				1 1/4						6,762.0	6,762.0					

Well History:
Last workover in June 2018 was due to hole in tubing.

Objective:
POOH w/ rods and pump. Scan steel rods. Scan OOH w/ tubing. Test IH w/ replacement tubing. RIH w/ Refurbished or New Downhole Pump and repaired Rod String, adhering to same design as previous. RTP Well.

PERFORM ALL WORK SAFELY

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.

Procedure:

1. Inspect the well location. Use H_2S monitoring equipment as necessary to ensure there are no dangerous levels of H_2S in the area. If H_2S 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, unseat pump, POOH w/ rod string, scan all steel rods.

    a. LD all RB, plan to replace with New from Yard, or YB if New not available.
    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 pump in for teardown. Make note of any damage or debris in or on pump.

    a. If heavy paraffin is noted on rod string, plan to pump hot water down tubing.
    b. Ensure teardown report is sent to Engineer.

7. Function test BOPs. Kill well. ND WH and NU BOPs.

8. MIRU tubing scanners.

9. Release TAC and Scan OOH w/ tubing.

    a. LD all RB or GB joints.
    b. Note any external issues with tubing in WV.
    c. Ensure solids samples are taken for chemical provider to run analysis.

10. MIRU hydrostatic testers.

11. PU and RIH with BHA and repaired tubing string.

    a. Adhere to same BHA and Tubing String Design as previous
    b. Hydrotest Tubing
    c. Set TAC.

12. ND BOPs and NU WH. RU Rod BOPs.

13. RIH with Refurbished 25-120-RHBC-24-5 pump and repaired rod string.

    a. Adhere to same rod string design as previous.
    b. Bucket test pump.

14. Space out pump.

15. Load test tubing to 500 psi.

16. Stroke pump with rig to verify pump action. Contact lease operator to RTP the well.

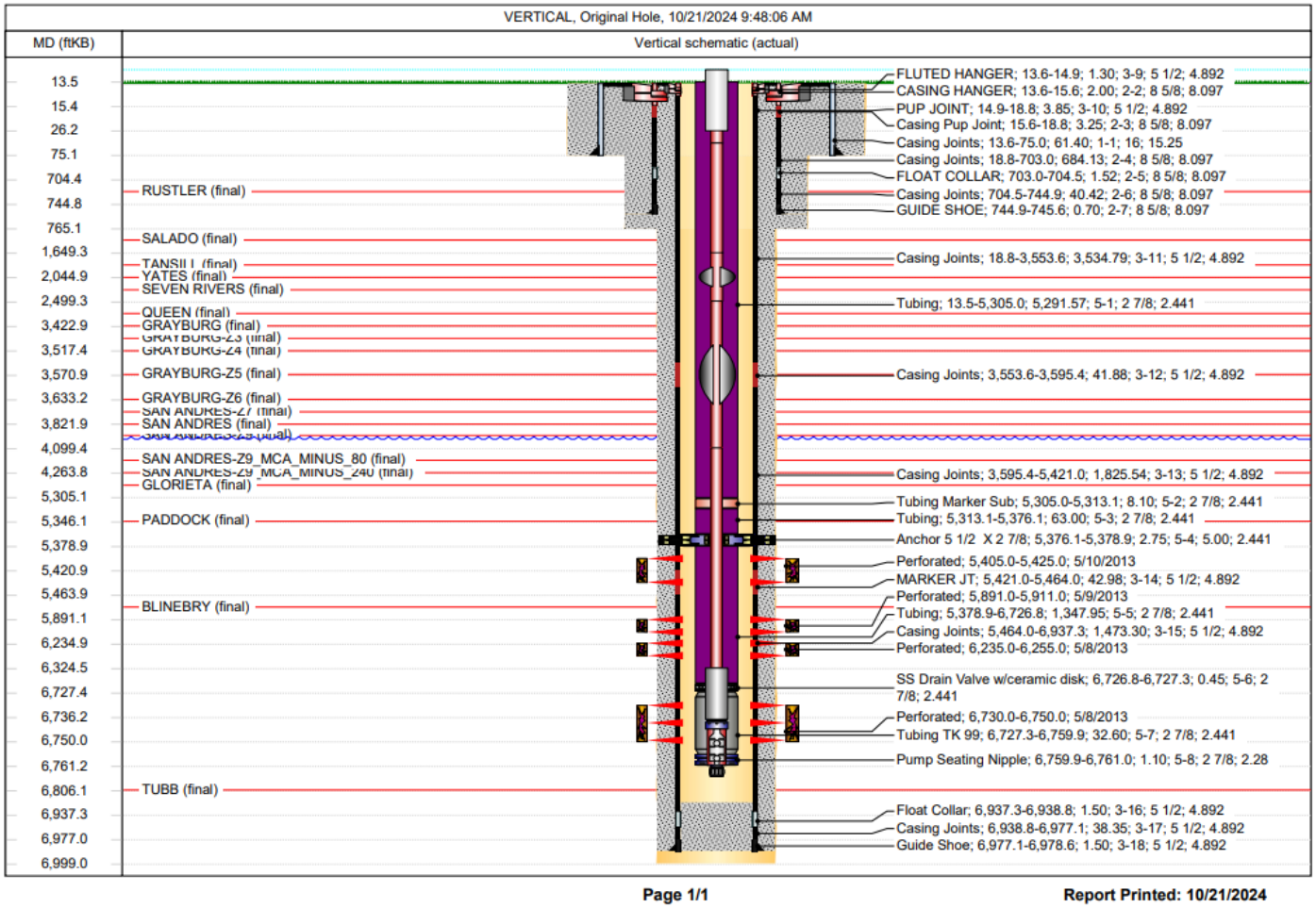
17. RDMO. Remove LOTO. Turn well over to Production.

Current Wellbore Diagram:

MAVERICK NATURAL RESOURCES

RUBY FEDERAL 51

API# 3002541019



Page 1/1 Report Printed: 10/21/2024

Tricia Formanek **October 21, 2024**

MAVERICK NATURAL RESOURCES

RUBY FEDERAL 51
Wellbore Diagram

Well Header

API #	State	County	District
3002541019	NEW MEXICO	LEA	PERMIAN CONVENTIONAL

Division	Business Unit	Region	Area	Total Depth (ftKB)
PERMIAN	MAVERICK PERMIAN	RG_SE_NEW_MEXICO	A_GEMSTONE_CAPROCK	6,999.0

Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)	Start Date	End Date
COND1	20	13.6	13.6	75.0	75.0	4/8/2013	4/8/2013
SURFAC	12 1/4	75.0	75.0	765.0	765.0	4/18/2013	4/18/2013
PROD1	7 7/8	765.0	765.0	6,999.0		4/19/2013	4/26/2013

Casing Strings

Casing String: Conductor 16" Set Depth: 75.0

Casing Description	Run Date	OD (in)	OD Nom M...	ID (in)	ID Nom Mi...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ftKB)	Set Depth...
Conductor	4/8/2013 14:00	16	16	15.25	15 1/4	65.00	H-40	61.40	13.6	75.0

Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)
Casing Joints	3	16	15.25	65.00	H-40	61.40	3	13.6	75.0	13.6	75.0

Casing String: Surface 8 5/8" Set Depth: 745.6

Casing Description	Run Date	OD (in)	OD Nom M...	ID (in)	ID Nom Mi...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ftKB)	Set Depth...
Surface	4/18/2013 12:30	8 5/8	8 5/8	8.10	8.097	24.00	J-55	732.02	13.6	745.6

Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)
Landing Joint	0	8 5/8	8.097	24.00	J-55	0.00	0	13.6	13.6	13.6	13.6
CASING HANGER	1	8 5/8	8.097	24.00	J-55	2.00	1	13.6	15.6	13.6	15.6
Casing Pup Joint	1	8 5/8	8.097	24.00	J-55	3.25	1	15.6	18.8	15.6	18.8
Casing Joints	17	8 5/8	8.097	24.00	J-55	684.13	17	18.8	703.0	18.8	703.0
FLOAT COLLAR	1	8 5/8	8.097	24.00	J-55	1.52	1	703.0	704.5	703.0	704.5
Casing Joints	1	8 5/8	8.097	24.00	J-55	40.42	1	704.5	744.9	704.5	744.9
GUIDE SHOE	1	8 5/8	8.097	24.00	J-55	0.70	1	744.9	745.6	744.9	745.6

Casing String: Production1 5 1/2" Set Depth: 6,978.6

Casing Description	Run Date	OD (in)	OD Nom M...	ID (in)	ID Nom Mi...	Wt/Len (lb/ft)	String Grade	Length (ft)	Top (ftKB)	Set Depth...
Production1	4/26/2013 18:00	5 1/2	5 1/2	4.89	4.892	17.00	L-80	6,964.99	13.6	

Item Des	Joints in Tally	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Qty	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)
Casing Joints	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
Casing Joints	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
Casing Joints	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
Casing Joints	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
Casing Joints	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
Casing Joints	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
Casing Joints	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
LANDING JT	0	5 1/2	4.892	17.00	L-80	0.00	0	13.6	13.6	13.6	13.6
FLUTED HANGER	1	5 1/2	4.892	17.00	L-80	1.30	1	13.6	14.9	13.6	14.9
PUP JOINT	1	5 1/2	4.892	17.00	L-80	3.85	1	14.9	18.8	14.9	18.8
Casing Joints	85	5 1/2	4.892	17.00	L-80	3,534.79	85	18.8	3,553.6	18.8	3,543.2
Casing Joints	1	5 1/2	4.892	17.00	L-80	41.88	1	3,553.6	3,595.4	3,543.2	3,584.7
Casing Joints	43	5 1/2	4.892	17.00	L-80	1,825.54	43	3,595.4	5,421.0	3,584.7	5,394.8
MARKER JT	1	5 1/2	4.892	17.00	L-80	42.98	1	5,421.0	5,464.0	5,394.8	5,437.4
Casing Joints	35	5 1/2	4.892	17.00	L-80	1,473.30	35	5,464.0	6,937.3	5,437.4	6,901.8
Float Collar	1	5 1/2	4.892	17.00	L-80	1.50	1	6,937.3	6,938.8	6,901.8	6,903.3
Casing Joints	1	5 1/2	4.892	17.00	L-80	38.35	1	6,938.8	6,977.1	6,903.3	
Guide Shoe	1	5 1/2	4.892	17.00	L-80	1.50	1	6,977.1	6,978.6		

Cement

Conductor Cement

Cementing Start Date	Cementing End Date	String
4/8/2013 15:00	4/8/2013 16:00	Conductor, 75.0ftKB

Stg #	Pump Start Date	Pump End Date	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)
1	4/8/2013	4/8/2013	13.6	75.0	13.6	75.0

Surface Casing Cement

Cementing Start Date	Cementing End Date	String
4/18/2013 15:00	4/18/2013 17:00	Surface, 745.6ftKB

Stg #	Pump Start Date	Pump End Date	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)
1	4/18/2013	4/18/2013	13.6	745.6	13.6	745.6

Production Casing Cement

Cementing Start Date	Cementing End Date	String
4/27/2013 12:00	4/27/2013 15:00	Production1, 6,978.6ftKB

Stg #	Pump Start Date	Pump End Date	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)
1	4/27/2013	4/27/2013	13.6	6,978.6	13.6	

Tubing Strings

Set Depth: 6,761.0

Run Job	String	String Ma...	OD Nom...	ID (in)	ID Nom M...	Wt (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Len (ft)
REPAIR DOWNHOLE FAILURE, 6/22/2018 07:00		2 7/8	4.995	2.44	2.28	6.50	J-55	13.5	6,726.2	6,747.5 2

Item Des	Len (ft)	OD (in)	ID (in)	Wt (lb/ft)	Grade	Tally Jts Run	Tally Len (ft)	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)
Tubing	5,291.5 7	2 7/8	2.44	6.50	J-55	0		13.5	5,305.1	13.5	5,279.6
Tubing Marker Sub	8.10	2 7/8	2.44	6.50	J-55	0		5,305.1	5,313.1	5,279.6	5,287.7
Tubing	63.00	2 7/8	2.44	6.50	J-55	0		5,313.1	5,376.1	5,287.7	5,350.3
Anchor 5 1/2 X 2 7/8	2.75	4.995	2.44	30.00	TAC	0		5,376.1	5,378.9	5,350.3	5,353.0
Tubing	1,347.9 5	2 7/8	2.44	6.50	J-55	0		5,378.9	6,726.8	5,353.0	6,692.2
SS Drain Valve w/ceramic disk	0.45	2 7/8	2.44		SS	0		6,726.8	6,727.3	6,692.2	6,692.7
Tubing TK 99	32.60	2 7/8	2.44	6.50	J-55	0		6,727.3	6,759.9	6,692.7	6,725.1
Pump Seating Nipple	1.10	2 7/8	2.28		SN	0		6,759.9	6,761.0	6,725.1	6,726.2

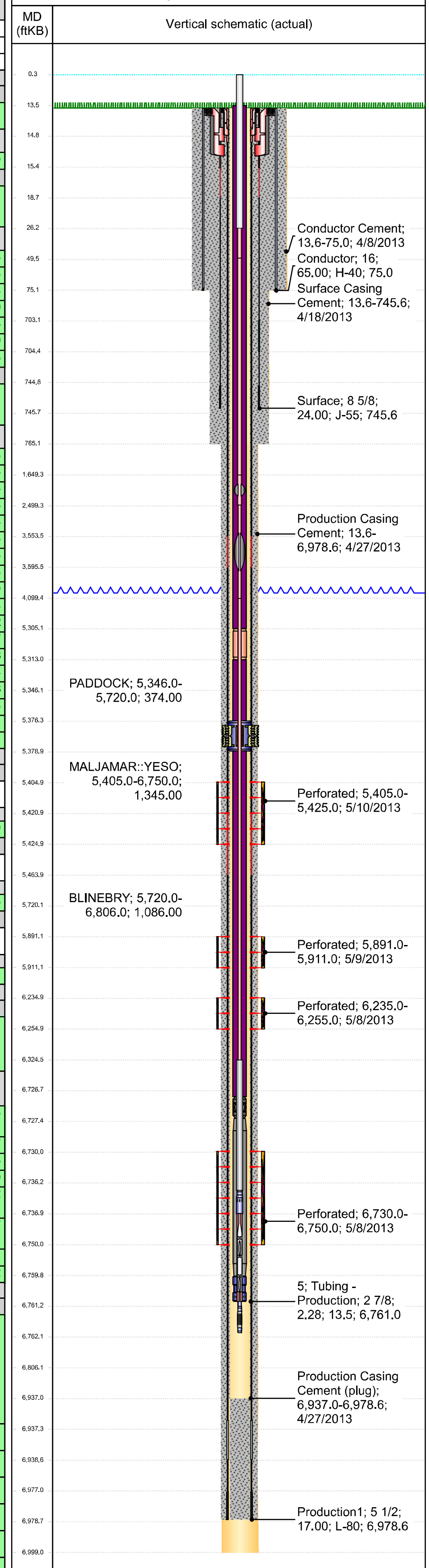
Rod Strings

Set Depth: 6,762.0

Rod Description	Set De...	Run Date	Run Job	OD (in)	Wt (lb/ft)	String Gr...	Top (ft...	Set De...	Set De...	String Components
Rod	6,762. 0	6/27/2018	REPAIR DOWNHOLE FAILURE, 6/22/2018 07:00	3/4		SPCL APP	0.4	6,727. 2		Strainer Nipple, Rod Insert Pump, Back off coupling, Sinker Bars w/centralizers, Sucker Rod, Sucker Rod 3 guides/rod, Sucker Rod 3 guides/rod, Sucker Rod, Sucker Rod, Polished Rod SM

Length (ft)	OD Nominal (in)	Quantity	ID (in)	Weight/Length (lb/ft)	Grade	Top Depth (ftKB)	Bottom Depth (ftKB)
26.00	1 1/2	1				0.4	26.4
23.00	7/8	3			SPCL APP	26.4	49.4
1,600.00	7/8	64			SPCL APP	49.4	1,649.4
850.00	7/8	34			SPCL APP	1,649.4	2,499.4
1,600.00	3/4	64			SPCL APP	2,499.4	4,099.4
[illegible]	[illegible]	[illegible]			SPCL APP	4,099.4	6,324.4

VERTICAL, Original Hole, 10/19/2024 2:43:09 PM



MAVERICK NATURAL RESOURCES

RUBY FEDERAL 51
Wellbore Diagram

Well Header				
API #	State	County		District
3002541019	NEW MEXICO	LEA		PERMIAN CONVENTIONAL
Division	Business Unit	Region	Area	Total Depth (ftKB)
PERMIAN	MAVERICK PERMIAN	RG_SE_NEW_MEXICO	A_GEMSTONE_CAPROCK	6,999.0

Length (ft)	OD Nominal (in)	Quantity	ID (in)	Weight/Length (lb/ft)	Grade	Top Depth (ftKB)	Bottom Depth (ftKB)
412.00	1 1/2	16			C	6,324.4	6,736.4
0.62	1 1/2	1				6,736.4	6,737.0
24.00	1 1/4	1				6,737.0	6,761.0
1.00	1	1				6,761.0	6,762.0
	1 1/4					6,762.0	6,762.0

Perforations

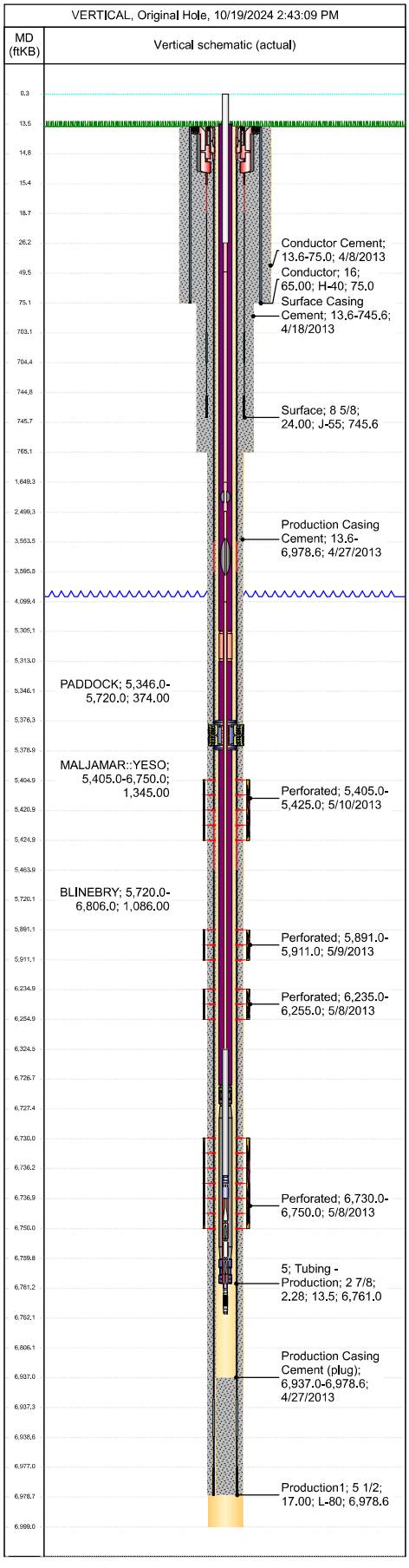
Date	Top (ftKB)	Btm (ftKB)	Top (TVD) (ftKB)	Btm (TVD) (ftKB)	Shot Dens (shots/ft)	Calculated Shot Total	Btm - Top (ft)
5/10/2013 13:00	5405	5425	5379	5399	3.0	60	20
5/9/2013 06:30	5891	5911	5861	5881	3.0	60	20
5/8/2013 14:00	6235	6255	6203	6223	3.0	60	20
5/8/2013 06:30	6730	6750	6695	6715	3.0	60	20

Deviation Surveys

Date	Description	Job
4/18/2013	SURVEY	DRILLING ORIGINAL, 4/17/2013 06:00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Method	TVD (ftKB)	VS (ft)	Depart (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)
785.00	0.20	142.90	IncAzi -MWD	785.00	-0.82	1.37	-1.09	0.83	0.03	0.03	18.20	1.37
860.00	0.30	142.10	IncAzi -MWD	860.00	-1.02	1.70	-1.35	1.03	0.13	0.13	-1.07	1.70
950.00	0.50	159.70	IncAzi -MWD	950.00	-1.30	2.31	-1.91	1.31	0.26	0.22	19.56	2.32
1,040.00	0.70	156.30	IncAzi -MWD	1,039.99	-1.65	3.24	-2.78	1.66	0.23	0.22	-3.78	3.26
1,129.00	0.50	152.90	IncAzi -MWD	1,128.99	-2.05	4.17	-3.62	2.06	0.23	-0.22	-3.82	4.19
1,219.00	0.60	134.90	IncAzi -MWD	1,218.98	-2.56	5.01	-4.30	2.57	0.22	0.11	-20.00	5.05
1,309.00	0.50	146.60	IncAzi -MWD	1,308.98	-3.10	5.86	-4.96	3.12	0.17	-0.11	13.00	5.91
1,398.00	0.60	140.70	IncAzi -MWD	1,397.97	-3.61	6.72	-5.65	3.63	0.13	0.11	-6.63	6.76
1,488.00	0.50	130.70	IncAzi -MWD	1,487.97	-4.20	7.56	-6.27	4.23	0.15	-0.11	-11.11	7.62
1,578.00	0.80	105.00	IncAzi -MWD	1,577.96	-5.11	8.43	-6.69	5.13	0.46	0.33	-28.56	8.62
1,667.00	0.90	91.30	IncAzi -MWD	1,666.95	-6.40	9.41	-6.87	6.43	0.25	0.11	-15.39	9.93
1,757.00	1.10	83.50	IncAzi -MWD	1,756.94	-7.97	10.49	-6.78	8.00	0.27	0.22	-8.67	11.49
1,847.00	0.50	355.50	IncAzi -MWD	1,846.93	-8.80	10.84	-6.29	8.82	1.32	-0.67	-97.78	12.46
1,937.00	0.50	339.60	IncAzi -MWD	1,936.93	-8.63	10.27	-5.53	8.66	0.15	0.00	-17.67	13.23
1,981.00	0.50	352.50	IncAzi -MWD	1,980.93	-8.54	10.00	-5.16	8.56	0.26	0.00	29.32	13.61
2,071.00	1.60	280.90	IncAzi -MWD	2,070.91	-7.26	8.58	-4.54	7.28	1.69	1.22	-79.56	15.04
2,161.00	2.40	266.70	IncAzi -MWD	2,160.86	-4.15	6.06	-4.41	4.16	1.04	0.89	-15.78	18.16
2,250.00	3.70	272.10	IncAzi -MWD	2,249.73	0.58	4.45	-4.41	-0.57	1.49	1.46	6.07	22.89
2,340.00	4.40	270.00	IncAzi -MWD	2,339.51	6.94	8.15	-4.30	-6.92	0.79	0.78	-2.33	29.25
2,430.00	5.10	277.10	IncAzi -MWD	2,429.20	14.36	14.84	-3.81	-14.34	1.01	0.78	7.89	36.69
2,519.00	6.00	277.60	IncAzi -MWD	2,517.78	22.89	23.04	-2.71	-22.88	1.01	1.01	0.56	45.29
2,609.00	7.10	273.20	IncAzi -MWD	2,607.19	33.10	33.14	-1.77	-33.10	1.34	1.22	-4.89	55.55
2,699.00	7.10	271.00	IncAzi -MWD	2,696.50	44.22	44.23	-1.36	-44.21	0.30	0.00	-2.44	66.67
2,788.00	7.10	269.70	IncAzi -MWD	2,784.82	55.21	55.23	-1.30	-55.21	0.18	0.00	-1.46	77.67
2,878.00	7.40	268.40	IncAzi -MWD	2,874.10	66.57	66.58	-1.49	-66.57	0.38	0.33	-1.44	89.03
2,968.00	7.70	267.60	IncAzi -MWD	2,963.32	78.39	78.41	-1.90	-78.38	0.35	0.33	-0.89	100.86
3,057.00	8.20	268.70	IncAzi -MWD	3,051.46	90.69	90.72	-2.30	-90.69	0.59	0.56	1.24	113.17
3,147.00	9.70	275.60	IncAzi -MWD	3,140.37	104.66	104.66	-1.70	-104.65	2.05	1.67	7.67	127.14
3,237.00	8.50	275.50	IncAzi -MWD	3,229.23	118.82	118.82	-0.32	-118.82	1.33	-1.33	-0.11	141.38
3,326.00	7.50	276.10	IncAzi -MWD	3,317.37	131.14	131.14	0.92	-131.14	1.13	-1.12	0.67	153.76
3,416.00	6.80	275.40	IncAzi -MWD	3,406.67	142.28	142.30	2.05	-142.28	0.78	-0.78	-0.78	164.96
3,506.00	6.70	268.70	IncAzi -MWD	3,496.04	152.83	152.86	2.43	-152.84	0.88	-0.11	-7.44	175.52
3,595.00	8.10	264.60	IncAzi -MWD	3,584.30	164.26	164.28	1.72	-164.27	1.68	1.57	-4.61	186.98
3,685.00	8.50	263.60	IncAzi -MWD	3,673.36	177.19	177.19	0.38	-177.19	0.47	0.44	-1.11	199.97
3,775.00	9.10	271.40	IncAzi -MWD	3,762.30	190.92	190.92	-0.18	-190.92	1.48	0.67	8.67	213.71
3,864.00	9.30	274.50	IncAzi -MWD	3,850.16	205.12	205.13	0.55	-205.13	0.60	0.22	3.48	227.93
3,954.00	9.00	273.50	IncAzi -MWD	3,939.01	219.39	219.41	1.55	-219.40	0.38	-0.33	-1.11	242.24
4,043.00	8.20	271.80	IncAzi -MWD	4,027.01	232.68	232.70	2.18	-232.69	0.94	-0.90	-1.91	255.55
4,133.00	8.00	273.30	IncAzi -MWD	4,116.11	245.35	245.38	2.74	-245.36	0.32	-0.22	1.67	268.23
4,222.00	6.80	273.40	IncAzi -MWD	4,204.37	256.79	256.83	3.41	-256.80	1.35	-1.35	0.11	279.69
4,312.00	6.90	273.30	IncAzi	4,293.73	267.50	267.55	4.04	-267.52	0.11	0.11	-0.11	290.43



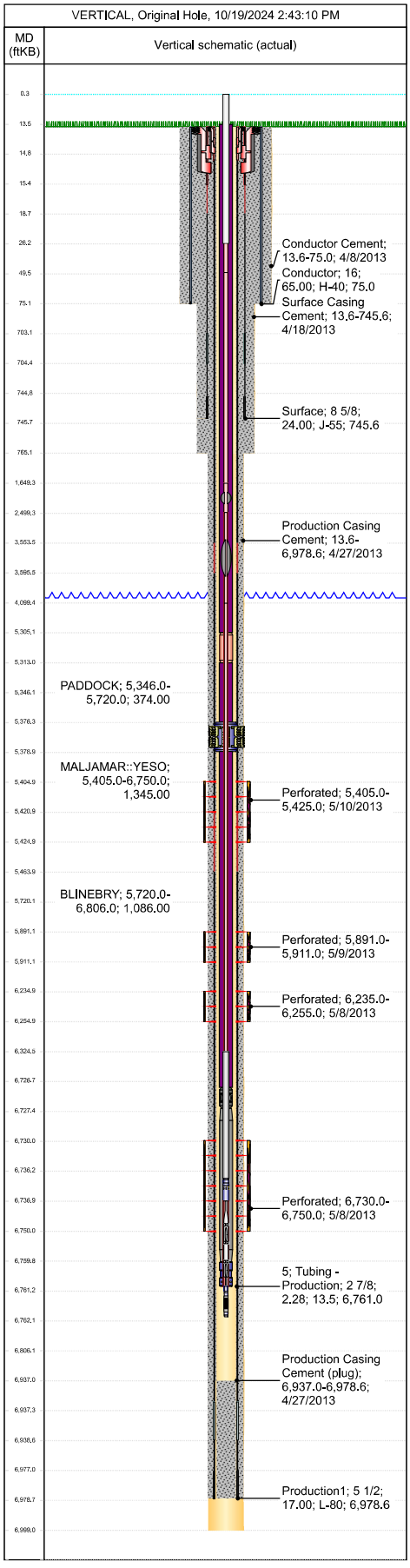
MAVERICK NATURAL RESOURCES

RUBY FEDERAL 51
Wellbore Diagram

Well Header				
API #	State	County	District	
3002541019	NEW MEXICO	LEA	PERMIAN CONVENTIONAL	
Division	Business Unit	Region	Area	Total Depth (ftKB)
PERMIAN	MAVERICK PERMIAN	RG_SE_NEW_MEXICO	A_GEMSTONE_CAPROCK	6,999.0

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Method	TVD (ftKB)	VS (ft)	Depart (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)
4,401.00	7.00	274.50	IncAzi -MWD	4,382.07	278.24	278.31	4.77	-278.26	0.20	0.11	1.35	301.20
4,491.00	6.90	274.10	IncAzi -MWD	4,471.41	289.10	289.18	5.59	-289.12	0.12	-0.11	-0.44	312.09
4,580.00	6.80	275.30	IncAzi -MWD	4,559.78	299.67	299.77	6.46	-299.70	0.20	-0.11	1.35	322.70
4,670.00	7.10	269.20	IncAzi -MWD	4,649.12	310.54	310.65	6.87	-310.57	0.88	0.33	-6.78	333.58
4,759.00	7.30	267.00	IncAzi -MWD	4,737.41	321.69	321.78	6.50	-321.72	0.38	0.22	-2.47	344.73
4,849.00	7.00	266.80	IncAzi -MWD	4,826.71	332.88	332.95	5.89	-332.90	0.33	-0.33	-0.22	355.93
4,939.00	6.90	266.90	IncAzi -MWD	4,916.05	343.75	343.82	5.29	-343.78	0.11	-0.11	0.11	366.82
5,028.00	6.80	268.00	IncAzi -MWD	5,004.42	354.36	354.41	4.82	-354.38	0.19	-0.11	1.24	377.44
5,118.00	6.60	268.40	IncAzi -MWD	5,093.80	364.85	364.90	4.49	-364.87	0.23	-0.22	0.44	387.94
5,208.00	6.50	268.50	IncAzi -MWD	5,183.22	375.12	375.16	4.21	-375.14	0.11	-0.11	0.11	398.20
5,297.00	6.50	269.20	IncAzi -MWD	5,271.64	385.19	385.23	4.01	-385.21	0.09	0.00	0.79	408.28
5,387.00	6.80	268.30	IncAzi -MWD	5,361.04	395.61	395.65	3.78	-395.63	0.35	0.33	-1.00	418.70
5,475.00	7.30	270.10	IncAzi -MWD	5,448.37	406.41	406.44	3.64	-406.43	0.62	0.57	2.05	429.50
5,565.00	7.20	270.70	IncAzi -MWD	5,537.65	417.77	417.80	3.71	-417.79	0.14	-0.11	0.67	440.86
5,655.00	7.10	271.50	IncAzi -MWD	5,626.95	428.97	429.00	3.93	-428.99	0.16	-0.11	0.89	452.06
5,744.00	7.10	272.00	IncAzi -MWD	5,715.27	439.96	440.00	4.27	-439.98	0.07	0.00	0.56	463.06
5,834.00	7.20	270.00	IncAzi -MWD	5,804.57	451.16	451.20	4.46	-451.18	0.30	0.11	-2.22	474.26
5,923.00	6.70	270.70	IncAzi -MWD	5,892.92	461.93	461.97	4.52	-461.95	0.57	-0.56	0.79	485.03
6,013.00	6.60	270.60	IncAzi -MWD	5,982.31	472.35	472.39	4.64	-472.37	0.11	-0.11	-0.11	495.45
6,103.00	6.60	271.10	IncAzi -MWD	6,071.71	482.69	482.74	4.79	-482.71	0.06	0.00	0.56	505.79
6,192.00	6.30	269.30	IncAzi -MWD	6,160.15	492.69	492.73	4.83	-492.71	0.41	-0.34	-2.02	515.79
6,282.00	6.20	268.50	IncAzi -MWD	6,249.62	502.48	502.53	4.65	-502.51	0.15	-0.11	-0.89	525.59
6,371.00	5.90	268.80	IncAzi -MWD	6,338.12	511.86	511.90	4.42	-511.88	0.34	-0.34	0.34	534.97
6,461.00	6.00	269.20	IncAzi -MWD	6,427.64	521.19	521.23	4.26	-521.21	0.12	0.11	0.44	544.30
6,550.00	5.50	271.10	IncAzi -MWD	6,516.19	530.11	530.14	4.28	-530.13	0.60	-0.56	2.13	553.21
6,640.00	5.50	268.10	IncAzi -MWD	6,605.77	538.73	538.77	4.22	-538.75	0.32	0.00	-3.33	561.84
6,730.00	5.30	270.10	IncAzi -MWD	6,695.37	547.20	547.23	4.08	-547.22	0.31	-0.22	2.22	570.31
6,819.00	5.10	267.80	IncAzi -MWD	6,784.01	555.26	555.29	3.94	-555.28	0.32	-0.22	-2.58	578.37
6,909.00	4.80	265.50	IncAzi -MWD	6,873.67	563.01	563.04	3.49	-563.03	0.40	-0.33	-2.56	586.13
6,954.00	4.80	267.50	IncAzi -MWD	6,918.51	566.77	566.80	3.26	-566.79	0.37	0.00	4.44	589.90



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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 397392

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 397392
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	10/30/2024