Pivad hav 1960 : 13/2060 frade 7518 hie 31	AM State of New Mexico	0	Form Capped of	
District I (575) 393-6161	Energy, Minerals and Natural I	Resources	Revised July 18, 2013	
1625 N. French Dr., Hobbs, NM 88240		WELL A		
<u>District II –</u> (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DI	VISION	30-015-33187	
<u>District III –</u> (505) 334-6178	1220 South St. Francis	Dr 5. Indicate	ate Type of Lease	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87503	S	STATE FEE	
District IV – (505) 476-3460	Santa Fe, NWI 6730.	6. State	Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM 87505				
SUNDRY NO	TICES AND REPORTS ON WELLS	7. Lease	Name or Unit Agreement Name	
	POSALS TO DRILL OR TO DEEPEN OR PLUG B LICATION FOR PERMIT" (FORM C-101) FOR ST	ACK TO A Rin	ger Federal	
1. Type of Well: Oil Well	Gas Well Other SWD	8. Well	Number 006	
2. Name of Operator		9. OGR	ID Number <b>15363</b>	
Murchison Oil and	Sas LLC			
3. Address of Operator		10. Poo	l name or Wildcat	
7250 Dallas Parkway	, Suite 1400, Plano, TX 75024			
4. Well Location				
Unit Letter <b>P</b>	: <b>1250</b> feet from the <b>S</b>	line and <b>1250</b>	feet from the <b>E</b> line	
Section 3		<b>26E</b> NMPM	County <b>Eddy</b>	
Section <u>s</u>	11. Elevation (Show whether DR, RK		County <u>Ludy</u>	
	3340 GR	D, 1(1, OI, e.c.)		
TREATMENT TO STATE OF THE SERVICE OF	0040 CK		[1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	
12. Check	Appropriate Box to Indicate Natu	re of Notice, Report of	or Other Data	
NOTICE OF	NTENTION TO:	SUBSEOUE	ENT REPORT OF:	
PERFORM REMEDIAL WORK		EMEDIAL WORK	☐ ALTERING CASING ☐	
		OMMENCE DRILLING OF		
		ASING/CEMENT JOB		
_		ASING/CEMENT JOB		
DOWNHOLE COMMINGLE				
CLOSED-LOOP SYSTEM [ OTHER:		THER:		
	npleted operations. (Clearly state all perti		tinent dates including estimated date	
	work). SEE RULE 19.15.7.14 NMAC. F			
Proposition and Proposition and	FF			
Well shut-in on 3/17/24 of	lue to suspected tubing leak. Plan to inspe	ect and replace tubing as i	needed. BLM approved 3160-5 and	
wellbore diagrams attach				
C				
Spud Date:	Rig Release Date:			
I hereby certify that the information	on above is true and complete to the best	of my knowledge and beli	ef	
- 11. 10. The state of the stat	accide and and complete to the best	inio mongo una bon		
4 /	1			
SIGNATURE	TITLE COO	DATE Marc	ch 20, 2024	
	<u> </u>		,	
Type or print name Gary R. Coo	pper E-mail address: rcooper@idn	nii.comPHONE: 97	72-931-0700	
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

1717.	CARTMENT OF THE INTERIOR			Expires. October 51, 2021		
BUREAU OF LAND MANAGEMENT				5. Lease Serial No. NMNM19836		
Do not use this	NOTICES AND REPORTS ON Vitor for proposals to drill or a Suppose to drill or a USE Form 3160-3 (APD) for su		ottee or Tribe Name			
SUBMIT IN	TRIPLICATE - Other instructions on pa	ige 2	7. If Unit of CA	/Agreement, Name and/or No.		
1. Type of Well  Oil Well  Gas V			8. Well Name ar	nd No. RINGER FEDERAL/6		
2. Name of Operator MURCHISON (	DIL & GAS LLC		9. API Well No.	3001533187		
3a. Address 7250 Dallas Parkway, S		o. (include area code 700	2) 10. Field and Po	ool or Exploratory Area  R DISPOSAL (SWD)/SALT WATER DISP		
4. Location of Well (Footage, Sec., T.,I SEC 3/T25S/R26E/NMP	R.,M., or Survey Description)		11. Country or F EDDY/NM			
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	NDICATE NATURE	OF NOTICE, REPORT OF	R OTHER DATA		
TYPE OF SUBMISSION			PE OF ACTION			
✓ Notice of Intent		epen draulic Fracturing	Production (Start/Res	ume) Water Shut-Off Well Integrity		
Subsequent Report		w Construction g and Abandon	Recomplete Temporarily Abandon	✓ Other		
Final Abandonment Notice		g Back	Water Disposal			
Well shut-in on 3/17/24 due to hole and replace any joints that performed prior to returning to	suspected tubing leak. Plan to pull tubi at fail. Re-engage back into packer and injection. Current wellbore diagram atta	ing and redress ar pressure test bac	nchor seal assembly. Pre	and the operator has detennined that the site ssure test tubing running back in is repaired. MIT will be		
I hereby certify that the foregoing is CINDY COTTRELL / Ph: (972) 931	true and correct. Name (Printed/Typed) -0700	Regulator Title	/ Coordinator			
Signature (Electronic Submission)  Date			03/	18/2024		
	THE SPACE FOR FED	ERAL OR ST	ATE OFICE USE			
Approved by						
JONATHON W SHEPARD / Ph: (5	Petro Title	leum Engineer	03/20/2024 Date			
Conditions of approval, if any, are attack ertify that the applicant holds legal or e which would entitle the applicant to con	ned. Approval of this notice does not warran quitable title to those rights in the subject le duct operations thereon.	nt or	RLSBAD	- Jane		
itle 18 U.S.C Section 1001 and Title 43 ny false, fictitious or fraudulent statement	U.S.C Section 1212, make it a crime for a ents or representations as to any matter with	ny person knowing	y and willfully to make to a	ny department or agency of the United States		

(Instructions on page 2)

#### **Additional Information**

#### **Location of Well**

 $0. \ SHL: \ SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ RANGE: \ 26E \ / \ SECTION: \ 3 \ / \ LAT: \ 32.1550609 \ / \ LONG: \ -104.2765307 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$  BHL:  $SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$ 

#### **BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

#### Conditions of Approval for Workover/Deepening of a Well

- Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
- 2. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
- 3. Cement: Notify BLM if cement fails to circulate.
- 4. <u>Subsequent Reporting:</u> Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. <u>Show date work was completed</u>. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
- 5. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
- 6. <u>If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:</u> From March 1<sup>st</sup> through June 15<sup>th</sup> annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

#### White City **Eddy County, NM**

Spud Date: 04/06/2004

Spud Date (Re-drill): 12/12/2012

Rig Release: 05/29/2004 Rig Release (Re-drill): 01/05/2013

Days to Drill: 54

Days to Drill (Re-drill): 24 Drilling Rig: Grey Wolf #514 Drilling Rig (Re-drill): Silver Oak #1

Completion Date:

#### TD - 13550 ft

#### **Surface Casing**

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

#### Cement

400 sx Class C

#### **Intermediate Casing**

9 5/8" 47 lb/ft L-80 LT&C Setting Depth - 1914 ft

#### Cement

Lead - 750 sx Class C 35/65 Poz Tail - 200 sx Class C

#### Intermediate Casing (2)

7 5/8" 33.7 lb/ft P-110 SJ-2 – 74 jts 7 5/8" 33.7 lb/ft N-80 SJ-2 – 67 jts Setting Depth - 8553 ft

#### Cement

Lead - 1027 sx Class H 50/50 Tail - 200 sx Class H

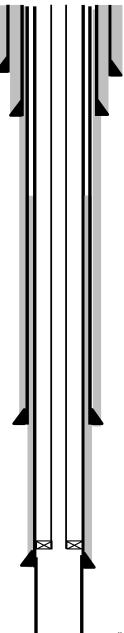
#### **Production Casing**

5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth - 12588 ft



#### 07/07/2014

#### Wellbore Diagram 3/18/24



#### **Tubing Details**

Installation Date: 11/29/2022

#### 3-1/2" 9.3#/ft L-80 IPC (380 jts)

KB	28.5'
1 jt 3 ½" IPC tubing	61.85'
10' 3 ½" IPC pup jt	71.88'
378 JTs 3 ½" tubing	12,500.50
2.75" X profile x 3 ½" Box x pin	12,501.50
1 jt 3 ½" IPC tubing	12,534.57
45FA36 Anchor Seal Asssem	12,535.24
Baker Model F packer	12,538.31
Bottom guide	12,538.98
2 7/8" 6.5# 5' pup	12,544.02
2.313' XN with 2.205 No-Go	12,545.17
Pump out plug	12,545.61

all packer BHA is nickel coated

Depth

Prepared by: Pumphrey

Date: 1/24/2023

GL = 3340 ft KB = ft

API# 30-015-33187

#### Acidize - Devonian

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal

Salt - 12.500 lbs AIR: 7.9 bpm ATP: 885.2 psi

Open Hole Interval 12588' to 13550'

4.5" hole PBTD - 13550 ft

## Eddy County, NM Ringer #6 SWD White City

Spud Date (Re-drill): 12/12/2012 Spud Date: 04/06/2004

Rig Release (Re-drill): 01/05/2013 Drilling Rig: Grey Wolf #514 Days to Drill (Re-drill): 24 Rig Release: 05/29/2004 Days to Drill: 54

TD - 13550 ft

**Surface Casing** 

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

9 5/8" 47 lb/ft L-80 LT&C Intermediate Casing

400 sx Class C

Cement

Setting Depth - 1914 ft Cement

Lead - 750 sx Class C 35/65 Poz Intermediate Casing (2) Tail - 200 sx Class C

7 5/8" 33.7 lb/ft P-110 SJ-2 - 74 jts 7 5/8" 33.7 lb/ft N-80 SJ-2 - 67 jts Setting Depth - 8553 ft

Lead - 1027 sx Class H 50/50 Tail - 200 sx Class H

Cement

5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth – 12588 ft **Production Casing** 

07/07/2014

# **Proposed Wellbore Diagram**

MURCHISON OIL & GAS, INC.

# (same as current)

**Tubing Details** 

Installation Date: 11/29/2022

3-1/2" 9.3#/ft L-80 IPC (380 jts)

1 jt 3 ½" IPC tubing

2.75" X profile x 3 1/2" Box x pin 378 JTs 3 1/2" tubing 10' 3 1/2" IPC pup jt

12,501.50

12,534.57

12,500.50′

61.85′ 71.88′

Depth 28.5′ 12,535.24

12,538.31 12,538.98′ 12,544.02

45FA36 Anchor Seal Asssem 1 jt 3 ½" IPC tubing

Baker Model F packer Bottom guide

2 7/8" 6.5# 5' pup

2.313' XN with 2.205 No-Go Pump out plug

12,545.17 12,545.61

all packer BHA is nickel coated

Prepared by: Pumphrey Date: 1/24/2023

GL = 3340 ftKB = ft API# 30-015-33187

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal Acidize - Devonian

Salt - 12,500 lbs ATP: 885.2 psi AIR: 7.9 bpm

12588' to 13550' 4.5" hole

PBTD - 13550 ft

Open Hole Interval

Drilling Rig (Re-drill): Silver Oak #1 Completion Date: Released to Imaging: 3/20/2024 2:54:09 PM

ivad hay 10GpD:13/2pp/2plade 75th in 1	AM State of New Mexico	Form Page 3
District I - (575) 393-6161	Energy, Minerals and Natural Re	esources Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
<u>District II –</u> (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIV	VISION <b>30-015-33187</b>
<u>District III –</u> (505) 334-6178	1220 South St. Francis I	Or. 5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	STATE FEE
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Santa 1 6, 14141 67505	6. State Oil & Gas Lease No.
	TICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
	OSALS TO DRILL OR TO DEEPEN OR PLUG BA LICATION FOR PERMIT" (FORM C-101) FOR SUC	Kinuel redefai
1. Type of Well: Oil Well	Gas Well Other SWD	8. Well Number <b>006</b>
2. Name of Operator		9. OGRID Number <b>15363</b>
Murchison Oil and C	ias LLC	10 P 1 W'll
3. Address of Operator		10. Pool name or Wildcat
	Suite 1400, Plano, TX 75024	
4. Well Location		
Unit Letter P	: <b>1250</b> feet from the <b>S</b>	line and 1250 feet from the E line
Section <u>3</u>	Township 25S Range	
<b>自然是数据各类的数据</b>	11. Elevation (Show whether DR, RKB 3340 GR	B, RT, GR, etc.)
(335) (1009年) (344) (445) (445)	3340 GK	MALE
12. Check	Appropriate Box to Indicate Nature	e of Notice, Report or Other Data
NOTICE OF I	NTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK		MEDIAL WORK
TEMPORARILY ABANDON		MMENCE DRILLING OPNS. P AND A
PULL OR ALTER CASING		SING/CEMENT JOB
DOWNHOLE COMMINGLE		SINO/CLIVICIAL 30B
CLOSED-LOOP SYSTEM		
OTHER:		HER:
13. Describe proposed or con	ipleted operations. (Clearly state all pertin	ent details, and give pertinent dates, including estimated dat
	work). SEE RULE 19.15.7.14 NMAC. For	r Multiple Completions: Attach wellbore diagram of
• •	•	
Well shut-in on 3/17/24 d	ue to suspected tubing leak. Plan to inspec	ct and replace tubing as needed. BLM approved 3160-5 and
wellbore diagrams attache	ed.	
Spud Date:	Rig Release Date:	
I hereby certify that the information	on above is true and complete to the best of	fmy knowledge and belief
Thereby certify that the information	in above is true and complete to the best of	Thy knowledge and benefit
	,	
SIGNATURE ///	TITLE COO	DATE March 20, 2024
Type or print name Gary R. Coo	per E-mail address: rcooper@jdmi	i.com PHONE: 972-931-0700
For State Use Only		
A DDD OLIDD DAY	TYPY D	D. (70)
APPROVED BY:	TITLE	DATE
Conditions of Approval (if any):		

Form 3160-5 (June 2019)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR

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

Expres. October 51, 2021	
5. Lease Serial No. NMNM19836	_
6. If Indian, Allottee or Tribe Name	_

BUR	EAU OF LAND MANAGEMEN	5. Lease Serial	5. Lease Serial No. NMNM19836		
Do not use this t	IOTICES AND REPORTS ON form for proposals to drill or Use Form 3160-3 (APD) for su	6. If Indian, All			
SUBMIT IN	TRIPLICATE - Other instructions on pa	age 2	7. If Unit of CA	/Agreemen	t, Name and/or No.
1. Type of Well					
Oil Well Gas W	Vell  Other		8. Well Name a	nd No.	GER FEDERAL/6
2. Name of Operator MURCHISON C	IL & GAS LLC		9. API Well No.	30015331	87
3a. Address 7250 Dallas Parkway, S	Ste. 1400, Plano, TX 7502 3b. Phone No. (972) 931-0	o. (include area code 700	10. Field and Po	ool or Explo	
4. Location of Well (Footage, Sec., T.,R SEC 3/T25S/R26E/NMP	,M., or Survey Description)		11. Country or I EDDY/NM		
12. CHE	CK THE APPROPRIATE BOX(ES) TO I	NDICATE NATURE	OF NOTICE, REPORT O	R OTHER I	DATA
TYPE OF SUBMISSION			PE OF ACTION		
Notice of Intent		epen draulic Fracturing	Production (Start/Res	ume)	Water Shut-Off Well Integrity
Subsequent Report		w Construction	Recomplete	·	Other
Final Abandonment Notice		g and Abandon	Temporarily Abandon	ı	
	Convert to Injection Plu peration: Clearly state all pertinent details,	g Back	Water Disposal		
hole and replace any joints tha	suspected tubing leak. Plan to pull tub t fail. Re-engage back into packer and injection. Current wellbore diagram att	pressure test back	chor seal assembly. Pre	ssure test is repaired	tubing running back in I. MIT will be
14. I hereby certify that the foregoing is a CINDY COTTRELL / Ph. (972) 931-		Regulatory Title	Coordinator		
Signature (Electronic Submission	Date	03.	/18/2024		
	THE SPACE FOR FED	ERAL OR STA	ATE OFICE USE		
Approved by					
JONATHON W SHEPARD / Ph: (57		Title	eum Engineer	Date	03/20/2024
certify that the applicant holds legal or ed which would entitle the applicant to cond		ease Office CAF			
Title 18 U.S.C Section 1001 and Title 43 any false, fictitious or fraudulent stateme	U.S.C Section 1212, make it a crime for $\alpha$ nts or representations as to any matter with	nny person knowingl hin its jurisdiction.	y and willfully to make to a	ıny departm	nent or agency of the United States

(Instructions on page 2)

#### **Additional Information**

#### **Location of Well**

 $0. \ SHL: \ SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ RANGE: \ 26E \ / \ SECTION: \ 3 \ / \ LAT: \ 32.1550609 \ / \ LONG: \ -104.2765307 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$  BHL:  $SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$ 

#### **BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

#### Conditions of Approval for Workover/Deepening of a Well

- 1. <u>Notification</u>: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
- 2. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
- 3. Cement: Notify BLM if cement fails to circulate.
- 4. <u>Subsequent Reporting:</u> Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. <u>Show date work was completed</u>. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
- 5. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
- 6. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1<sup>st</sup> through June 15<sup>th</sup> annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

#### White City Eddy County, NM

Spud Date: 04/06/2004

Spud Date (Re-drill): 12/12/2012

Rig Release: 05/29/2004

Rig Release (Re-drill): 01/05/2013

Days to Drill: 54

Days to Drill (Re-drill): 24 Drilling Rig: Grey Wolf #514 Drilling Rig (Re-drill): Silver Oak #1

Completion Date:

#### TD - 13550 ft

**Surface Casing** 

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

Cement

400 sx Class C

**Intermediate Casing** 

9 5/8" 47 lb/ft L-80 LT&C Setting Depth - 1914 ft

Cement

Lead - 750 sx Class C 35/65 Poz Tail - 200 sx Class C

Intermediate Casing (2)

7 5/8" 33.7 lb/ft P-110 SJ-2 – 74 jts 7 5/8" 33.7 lb/ft N-80 SJ-2 – 67 jts

Setting Depth - 8553 ft

Cement

Lead - 1027 sx Class H 50/50

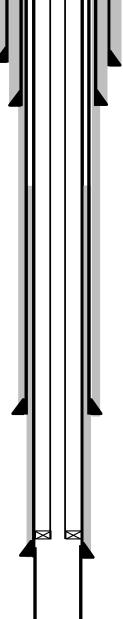
Tail - 200 sx Class H

**Production Casing** 

5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth – 12588 ft MURCHISON OIL & GAS, INC.

#### 07/07/2014

#### Wellbore Diagram 3/18/24



#### **Tubing Details**

Installation Date: 11/29/2022

3-1/2" 9.3#/ft L-80 IPC (380 jts)

28.5'
61.85'
71.88'
12,500.50
12,501.50
12,534.57
12,535.24
12,538.31
12,538.98
12,544.02
12,545.17
12,545.61

Depth

all packer BHA is nickel coated

Open Hole Interval 12588' to 13550'

4.5" hole PBTD - 13550 ft Prepared by: Pumphrey Date: 1/24/2023

GL = 3340 ft KB = ft

API# 30-015-33187

Acidize - Devonian

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal

Salt - 12,500 lbs AIR: 7.9 bpm ATP: 885.2 psi

## Eddy County, NM Ringer #6 SWD White City

Spud Date (Re-drill): 12/12/2012 Rig Release: 05/29/2004 Spud Date: 04/06/2004

Rig Release (Re-drill): 01/05/2013 Days to Drill: 54

Drilling Rig (Re-drill): Silver Oak #1 Drilling Rig: Grey Wolf #514 Days to Drill (Re-drill): 24 Completion Date:

TD - 13550 ft

**Surface Casing** 

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

Cement

9 5/8" 47 lb/ft L-80 LT&C Intermediate Casing 400 sx Class C

Lead - 750 sx Class C 35/65 Poz Setting Depth - 1914 ft Cement

7 5/8" 33.7 lb/ft P-110 SJ-2 - 74 jts Intermediate Casing (2) Tail - 200 sx Class C

7 5/8" 33.7 lb/ft N-80 SJ-2 - 67 jts Setting Depth - 8553 ft Cement

Lead - 1027 sx Class H 50/50 Tail - 200 sx Class H 5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth – 12588 ft

**Production Casing** 

# **Proposed Wellbore Diagram**

# **Tubing Details**

Installation Date: 11/29/2022

3-1/2" 9.3#/ft L-80 IPC (380 jts)

378 JTs 3 1/2" tubing 1 jt 3 ½" IPC tubing 10' 3 1/2" IPC pup jt

2.75" X profile x 3 1/2" Box x pin

12,501.50

12,534.57

12,500.50′

61.85′ 71.88′

Depth 28.5′ 12,535.24

12,538.31 12,538.98′ 12,544.02

45FA36 Anchor Seal Asssem 1 jt 3 ½" IPC tubing

2.313' XN with 2.205 No-Go Baker Model F packer 2 7/8" 6.5# 5' pup Bottom guide

12,545.17 12,545.61

Pump out plug

all packer BHA is nickel coated

Prepared by: Pumphrey Date: 1/24/2023

GL = 3340 ftKB = ft API# 30-015-33187

Acidize - Devonian

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal Salt - 12,500 lbs

ATP: 885.2 psi AIR: 7.9 bpm

MURCHISON OIL & GAS, INC.

07/07/2014

(same as current)

Open Hole Interval 12588' to 13550'

4.5" hole

PBTD - 13550 ft

Released to Imaging: 3/20/2024 2:54:09 PM

ivad hv 196p):13/2003prade Balici	1 AM State of New Mexico	Form Cog 03
Office <u>District I - (575) 393-6161</u>	Energy, Minerals and Natural Resou	rces Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
<u>District II –</u> (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	ON <b>30-015-33187</b>
District III - (505) 334-6178	1220 South St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 87505	STATE FEE
1220 S. St. Francis Dr., Santa Fe, NM 87505		6. State Oil & Gas Lease No.
	OTICES AND REPORTS ON WELLS  POSSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO	7. Lease Name or Unit Agreement Name
	PLICATION FOR PERMIT" (FORM C-101) FOR SUCH	O A Ringer Federal
1. Type of Well: Oil Well	Gas Well Other SWD	8. Well Number <b>006</b>
2. Name of Operator		9. OGRID Number <b>15363</b>
Murchison Oil and	Gas LLC	
3. Address of Operator		10. Pool name or Wildcat
	y, Suite 1400, Plano, TX 75024	
4. Well Location		
Unit Letter P	: 1250 feet from the S line	e and 1250 feet from the E line
Section 3	Township <b>25S</b> Range <b>26</b> I	
	11. Elevation (Show whether DR, RKB, RT,	GR, etc.)
	3340 GR	
TEMPORARILY ABANDON PULL OR ALTER CASING DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM OTHER:		ENCE DRILLING OPNS. P AND A
13. Describe proposed or co	ompleted operations. (Clearly state all pertinent di work). SEE RULE 19.15.7.14 NMAC. For Mu	letails, and give pertinent dates, including estimated date
r	r	
Well shut-in on 3/17/24 wellbore diagrams attac		d replace tubing as needed. BLM approved 3160-5 and
Spud Date:	Rig Release Date:	
I hereby certify that the informa	ion above is true and complete to the best of my l	knowledge and belief.
SIGNATURE MA	TITLE COO	DATE <u>March 20, 2024</u>
		DUONE 050 001 0500
Type or print name Gary R. Co	boper E-mail address: rcooper@jdmii.com	PHONE: <u>972-931-0700</u>
APPROVED BY:		DATE
Conditions of Approval (if any)		

Form 3160-5 (June 2019)

## UNITED STATES DEPARTMENT OF THE INTERIOR BURGALLOE LAND MANAGEMENT

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

DLI	WITHIELD OF THE HALL			L	Е	xpires. Octot	Jer 31, 2021
BUREAU OF LAND MANAGEMENT					5. Lease Serial No. NMNM19836		
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.					6. If Indian, Allottee or Tribe Name		
SUBMIT IN	TRIPLICATE - Other instruction	ns on page 2			7. If Unit of CA/Ag	eement, Nan	ne and/or No.
1. Type of Well Oil Well Gas V	Vell Vother				3. Well Name and N	O. RINGER	FEDERAL/6
2. Name of Operator MURCHISON C				-	9. API Well No. 300	1522107	T EDETAE/0
3a. Address 7250 Dallas Parkway, S		Phone No. (incli	ıde area code		10. Field and Pool o		/ Area
	(972	2) 931-0700					SWD)/SALT WATER DISF
4. Location of Well (Footage, Sec., T., F SEC 3/T25S/R26E/NMP	R.,M., or Survey Description)				11. Country or Paris EDDY/NM	h, State	
12. CHE	CK THE APPROPRIATE BOX(E	S) TO INDICA	TE NATURE	OF NOTIC	E, REPORT OR O	THER DATA	
TYPE OF SUBMISSION			TYI	PE OF ACT	ION		
Notice of Intent	Acidize	Deepen		Produ	ction (Start/Resume	) Wa	iter Shut-Off
	Alter Casing	Hydraulic	-		nation	We We	ell Integrity
Subsequent Report	Casing Repair Change Plans	New Cons		Recon	•	✓ Oth	ner
Final Abandonment Notice	Convert to Injection	Plug and A Plug Back			orarily Abandon Disposal		
Well shut-in on 3/17/24 due to hole and replace any joints that performed prior to returning to	t fail. Re-engage back into pac	ker and pressi	ure test bac	k-side to m	ake sure leak is re	e test tubriq	j running back in
14. I hereby certify that the foregoing is CINDY COTTRELL / Ph: (972) 931-		Typed)	Regulator	y Coordinat	or		
0111 00 1 11 (012) 90 1		Title		,			
(Electronic Submission)  Signature  Date					03/18/	2024	
	THE SPACE FO	R FEDERA	L OR ST	ATE OF	CE USE		
Approved by							
JONATHON W SHEPARD / Ph: (5)	75) 234-5972 / Approved		Petro	leum Engir	ieer	Date	03/20/2024
Conditions of approval, if any, are attach certify that the applicant holds legal or eawhich would entitle the applicant to cond	quitable title to those rights in the	ot warrant or subject lease	Office CAI	RLSBAD			
Title 18 U.S.C Section 1001 and Title 43 any false, fictitious or fraudulent stateme	U.S.C Section 1212, make it a creats or representations as to any make	ime for any pers	son knowingl urisdiction.	ly and willfu	lly to make to any o	epartment or	agency of the United States

(Instructions on page 2)

#### **Additional Information**

#### **Location of Well**

 $0. \ SHL: \ SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ RANGE: \ 26E \ / \ SECTION: \ 3 \ / \ LAT: \ 32.1550609 \ / \ LONG: \ -104.2765307 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$  BHL:  $SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$ 

#### **BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

#### Conditions of Approval for Workover/Deepening of a Well

- 1. <u>Notification</u>: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
- 2. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
- 3. <u>Cement</u>: Notify BLM if cement fails to circulate.
- 4. <u>Subsequent Reporting:</u> Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. <u>Show date work was completed</u>. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
- 5. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
- 6. <u>If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:</u> From March 1<sup>st</sup> through June 15<sup>th</sup> annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

#### White City Eddy County, NM

Spud Date: 04/06/2004

Spud Date (Re-drill): 12/12/2012

Rig Release: 05/29/2004

Rig Release (Re-drill): 01/05/2013

Days to Drill: 54

Days to Drill (Re-drill): 24
Drilling Rig: Grey Wolf #514
Drilling Rig (Re-drill): Silver Oak #1

Completion Date:

#### TD - 13550 ft

#### **Surface Casing**

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

#### Cement

400 sx Class C

#### **Intermediate Casing**

9 5/8" 47 lb/ft L-80 LT&C Setting Depth - 1914 ft

#### Cement

Lead - 750 sx Class C 35/65 Poz Tail - 200 sx Class C

#### Intermediate Casing (2)

7 5/8" 33.7 lb/ft P-110 SJ-2 – 74 jts 7 5/8" 33.7 lb/ft N-80 SJ-2 – 67 jts Setting Depth - 8553 ft

#### Cement

Lead - 1027 sx Class H 50/50 Tail - 200 sx Class H

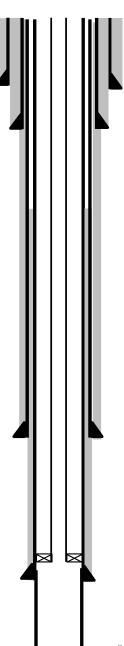
#### **Production Casing**

5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth – 12588 ft



#### 07/07/2014

#### Wellbore Diagram 3/18/24



#### **Tubing Details**

Installation Date: 11/29/2022

#### 3-1/2" 9.3#/ft L-80 IPC (380 jts)

KB	28.5'
1 jt 3 ½" IPC tubing	61.85'
10' 3 ½" IPC pup jt	71.88'
378 JTs 3 ½" tubing	12,500.50
2.75" X profile x 3 ½" Box x pin	12,501.50
1 jt 3 ½" IPC tubing	12,534.57
45FA36 Anchor Seal Asssem	12,535.24
Baker Model F packer	12,538.31
Bottom guide	12,538.98
2 7/8" 6.5# 5' pup	12,544.02
2.313' XN with 2.205 No-Go	12,545.17
Pump out plug	12,545.61

Depth

all packer BHA is nickel coated

GL = 3340 ft

KB = ft

API# 30-015-33187

Prepared by: Pumphrey Date: 1/24/2023

#### Acidize - Devonian

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal

Salt - 12,500 lbs AIR: 7.9 bpm ATP: 885.2 psi

Open Hole Interval 12588' to 13550'

4.5" hole PBTD - 13550 ft

## Eddy County, NM Ringer #6 SWD White City

Spud Date (Re-drill): 12/12/2012 Rig Release: 05/29/2004 Spud Date: 04/06/2004

07/07/2014

Rig Release (Re-drill): 01/05/2013 Days to Drill: 54

Drilling Rig (Re-drill): Silver Oak #1 Drilling Rig: Grey Wolf #514 Days to Drill (Re-drill): 24 Completion Date:

TD - 13550 ft

**Surface Casing** 

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

400 sx Class C

Cement

9 5/8" 47 lb/ft L-80 LT&C Setting Depth - 1914 ft Intermediate Casing

Lead - 750 sx Class C 35/65 Poz Tail - 200 sx Class C Cement

7 5/8" 33.7 lb/ft P-110 SJ-2 - 74 jts 7 5/8" 33.7 lb/ft N-80 SJ-2 - 67 jts Intermediate Casing (2)

Setting Depth - 8553 ft Cement

Lead - 1027 sx Class H 50/50 Tail - 200 sx Class H

5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth – 12588 ft **Production Casing** 

# MURCHISON OIL & GAS, INC. **Proposed Wellbore Diagram**

(same as current)

**Tubing Details** 

Installation Date: 11/29/2022

3-1/2" 9.3#/ft L-80 IPC (380 jts)

378 JTs 3 1/2" tubing 1 jt 3 ½" IPC tubing 10' 3 1/2" IPC pup jt

2.75" X profile x 3 1/2" Box x pin

12,501.50

12,534.57

12,500.50′

61.85′ 71.88′

Depth 28.5′ 12,535.24

12,538.31 12,538.98′ 12,544.02

45FA36 Anchor Seal Asssem 1 jt 3 ½" IPC tubing

Baker Model F packer 2 7/8" 6.5# 5' pup Bottom guide

2.313' XN with 2.205 No-Go Pump out plug

12,545.17 12,545.61

all packer BHA is nickel coated

Prepared by: Pumphrey Date: 1/24/2023

GL = 3340 ftKB = ft API# 30-015-33187

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal Salt - 12,500 lbs

ATP: 885.2 psi AIR: 7.9 bpm

Acidize - Devonian

Open Hole Interval 12588' to 13550'

4.5" hole

PBTD - 13550 ft

Released to Imaging: 3/20/2024 2:54:09 PM

ivad hv 106p):13/2p/r2prad	e राजनांत्र 1 AM	State of New Me	exico		Form Cage 03	
Office <u>District I - (575) 393-6161</u>	En	Energy, Minerals and Natural Resources		P	Revised July 18, 2013	
1625 N. French Dr., Hobbs, N.	M 88240			WELL API NO.		
<u>District II –</u> (575) 748-1283 811 S. First St., Artesia, NM 8	8210 O	IL CONSERVATION	DIVISION		5-33187	
District III - (505) 334-6178		1220 South St. Fra	ncis Dr.	5. Indicate Type of Le	5. Indicate Type of Lease	
1000 Rio Brazos Rd., Aztec, N District IV – (505) 476-3460	NM 87410	Santa Fe, NM 8	7505		STATE FEE	
1220 S. St. Francis Dr., Santa 87505	Fe, NM			6. State Oil & Gas Lea	ise No.	
		ND REPORTS ON WELLS		7. Lease Name or Uni	t Agreement Name	
•		DRILL OR TO DEEPEN OR PL OR PERMIT" (FORM C-101) F		Ringer Federa	<b>1</b>	
1. Type of Well: Oil W	ell Gas We	ll 🛛 Other <b>SWD</b>		8. Well Number 000	6	
2. Name of Operator				9. OGRID Number 1	5363	
	il and Gas LLC					
3. Address of Operator				10. Pool name or Wild	lcat	
7250 Dallas Pa	rkway, Suite 1	1400, Plano, TX 750	)24			
4. Well Location						
Unit Letter	P : 125	o feet from the S	line and	1250 feet from the	line	
Section 3		Township <b>25S</b> R	ange <b>26E</b>	NMPM Coun	ty <b>Eddy</b>	
	11. El	evation (Show whether DI				
		3340 GR				
of starting any p proposed comple	NG MULT GLE GEM GEM GEM GEM GEM GEM GEM GEM GEM GE	IGE PLANS  TIPLE COMPL  erations. (Clearly state all ERULE 19.15.7.14 NMA on.  ected tubing leak. Plan to	OTHER: pertinent details, a	nd give pertinent dates, in ompletions: Attach wellb	ore diagram of	
Spud Date:		Rig Release I	Pate:			
I hereby certify that the in	nformation above is	s true and complete to the	best of my knowled	lge and belief.		
SIGNATURE	M	TITLE <u>C</u> C	00 DA	TE <u>March 20, 2024</u>		
Type or print name Gar			ODA	Wiaicii 20, 2024		
For State Use Only	ry R. Cooper	E-mail address: rcooper(				

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

BUREAU OF LAND MANAGEMENT				NMNM19836		
Do not use this f	OTICES AND REPORTS ON Vorm for proposals to drill or t Use Form 3160-3 (APD) for su	6. If Indian, Allotte				
SUBMIT IN 1	<b>TRIPLICATE</b> - Other instructions on pag	ge 2	7. If Unit of CA/A	greement, Name and/or No.		
1. Type of Well Gas W	ell ✓ Other		8. Well Name and	No. RINGER FEDERAL/6		
2. Name of Operator MURCHISON O	IL & GAS LLC		9. API Well No.	01533187		
3a. Address 7250 Dallas Parkway, S	te. 1400, Plano, TX 7502 3b. Phone No. (972) 931-07	. (include area code,	10. Field and Pool	or Exploratory Area		
4. Location of Well (Footage, Sec., T,R SEC 3/T25S/R26E/NMP				SALT WATER DISPOSAL (SWD)/SALT WATER DISPOSA		
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE	OF NOTICE, REPORT OR C	OTHER DATA		
TYPE OF SUBMISSION			E OF ACTION			
Notice of Intent		raulic Fracturing	Production (Start/Resum	Well Integrity		
Subsequent Report		Construction and Abandon	Recomplete Temporarily Abandon	<b>✓</b> Other		
Final Abandonment Notice		Back	Water Disposal			
completion of the involved operation completed. Final Abandonment Noticis ready for final inspection.)  Well shut-in on 3/17/24 due to shole and replace any joints that performed prior to returning to its performance prior to return the performance prior to perform the performance pe	ly or recomplete horizontally, give subsurfi- be perfonned or provide the Bond No. on and the perfonned or provide the Bond No. on the performed or provide the Bond No. on the performed of the performed of the performed of the performed of the performance of t	file with BLM/BIA.  Inpletion or recomplets, including reclamate  Ing and redress an pressure test back	Required subsequent reports etion in a new interval, a Fornation, have been completed and chor seal assembly. Pressu	must be filed within 30 days following in 3160-4 must be filed once testing has been death operator has determined that the site use test tubing running back in		
4. I hereby certify that the foregoing is t		Regulatory Title	Coordinator			
Signature (Electronic Submission)  Date			03/18	3/2024		
	THE SPACE FOR FED	ERAL OR STA	TE OFICE USE			
Approved by						
JONATHON W SHEPARD / Ph: (57	Petrol Title	eum Engineer	03/20/2024 Date			
Conditions of approval, if any, are attache ertify that the applicant holds legal or equivinch would entitle the applicant to cond	ed. Approval of this notice does not warran uitable title to those rights in the subject le uct operations thereon.	t or ase Office CAF	RLSBAD			
Title 18 U.S.C Section 1001 and Title 43 ny false, fictitious or fraudulent statemen	U.S.C Section 1212, make it a crime for arents or representations as to any matter with	ny person knowingly in its jurisdiction.	and willfully to make to any	department or agency of the United States		

(Instructions on page 2)

#### **Additional Information**

#### **Location of Well**

 $0. \ SHL: \ SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ RANGE: \ 26E \ / \ SECTION: \ 3 \ / \ LAT: \ 32.1550609 \ / \ LONG: \ -104.2765307 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$  BHL:  $SESE \ / \ 1250 \ FSL \ / \ 1250 \ FEL \ / \ TWSP: \ 25S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$ 

#### **BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

#### Conditions of Approval for Workover/Deepening of a Well

- Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
- 2. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
- 3. Cement: Notify BLM if cement fails to circulate.
- 4. <u>Subsequent Reporting:</u> Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. <u>Show date work was completed</u>. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
- 5. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
- 6. <u>If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:</u> From March 1<sup>st</sup> through June 15<sup>th</sup> annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

#### White City **Eddy County, NM**

Spud Date: 04/06/2004

Spud Date (Re-drill): 12/12/2012

Rig Release: 05/29/2004

Rig Release (Re-drill): 01/05/2013

Days to Drill: 54

Days to Drill (Re-drill): 24 Drilling Rig: Grey Wolf #514 Drilling Rig (Re-drill): Silver Oak #1

Completion Date:

#### TD - 13550 ft

#### **Surface Casing**

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

#### Cement

400 sx Class C

#### **Intermediate Casing**

9 5/8" 47 lb/ft L-80 LT&C Setting Depth - 1914 ft

#### Cement

Lead - 750 sx Class C 35/65 Poz Tail - 200 sx Class C

#### Intermediate Casing (2)

7 5/8" 33.7 lb/ft P-110 SJ-2 – 74 jts 7 5/8" 33.7 lb/ft N-80 SJ-2 – 67 jts Setting Depth - 8553 ft

#### Cement

Lead - 1027 sx Class H 50/50 Tail - 200 sx Class H

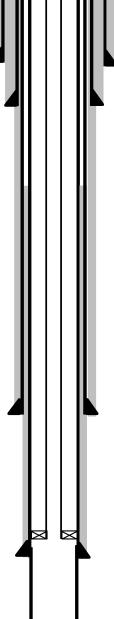
#### **Production Casing**

5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth - 12588 ft



#### 07/07/2014

#### Wellbore Diagram 3/18/24



#### **Tubing Details**

#### 3-1/2" 9.3#/ft L-80 IPC (380 jts)

KB	28.5'
1 jt 3 ½" IPC tubing	61.85'
10' 3 1/2" IPC pup jt	71.88'
378 JTs 3 ½" tubing	12,500.50
2.75" X profile x 3 ½" Box x pin	12,501.50
1 jt 3 ½" IPC tubing	12,534.57
45FA36 Anchor Seal Asssem	12,535.24
Baker Model F packer	12,538.31
Bottom guide	12,538.98
2 7/8" 6.5# 5' pup	12,544.02
2.313' XN with 2.205 No-Go	12,545.17
Pump out plug	12,545.61

Depth

all packer BHA is nickel coated

Installation Date: 11/29/2022

Open Hole Interval 12588' to 13550'

4.5" hole PBTD - 13550 ft Prepared by: Pumphrey Date: 1/24/2023

GL = 3340 ft KB = ft

API# 30-015-33187

#### Acidize - Devonian

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal

Salt - 12.500 lbs AIR: 7.9 bpm ATP: 885.2 psi

API# 30-015-33187

Prepared by: Pumphrey

Date: 1/24/2023

GL = 3340 ftKB = ft

## Eddy County, NM Ringer #6 SWD White City

Rig Release: 05/29/2004 Spud Date: 04/06/2004

Rig Release (Re-drill): 01/05/2013 Spud Date (Re-drill): 12/12/2012 Days to Drill: 54

Drilling Rig (Re-drill): Silver Oak #1 Drilling Rig: Grey Wolf #514 Days to Drill (Re-drill): 24 Completion Date:

TD - 13550 ft

**Surface Casing** 

13 3/8" 68 lb/ft J-55 BT&C Setting Depth - 350 ft

Intermediate Casing

400 sx Class C

Cement

9 5/8" 47 lb/ft L-80 LT&C Setting Depth - 1914 ft Cement

Lead - 750 sx Class C 35/65 Poz Tail - 200 sx Class C

7 5/8" 33.7 lb/ft P-110 SJ-2 - 74 jts 7 5/8" 33.7 lb/ft N-80 SJ-2 - 67 jts Intermediate Casing (2) Setting Depth - 8553 ft

Lead - 1027 sx Class H 50/50 Tail - 200 sx Class H Cement

**Production Casing** 

5 ½" 17 lb/ft P-110 Ultra Premium Setting Depth – 12588 ft

07/07/2014

# **Proposed Wellbore Diagram**

MURCHISON OIL & GAS, INC.

(same as current)

**Tubing Details** 

Installation Date: 11/29/2022

3-1/2" 9.3#/ft L-80 IPC (380 jts)

1 jt 3 ½" IPC tubing

2.75" X profile x 3 1/2" Box x pin 378 JTs 3 1/2" tubing 10' 3 1/2" IPC pup jt

12,501.50

12,534.57

12,500.50′

61.85′ 71.88′

Depth 28.5′ 12,535.24

12,538.31 12,538.98′ 12,544.02

45FA36 Anchor Seal Asssem 1 jt 3 ½" IPC tubing

Baker Model F packer 2 7/8" 6.5# 5' pup Bottom guide

2.313' XN with 2.205 No-Go Pump out plug

12,545.17 12,545.61

all packer BHA is nickel coated

Acidize - Devonian

Salt - 12,500 lbs

ATP: 885.2 psi

AIR: 7.9 bpm

02/11/2013 Shack Energy Services Acid - 20% Gelled Acid: 40,000 Gal

> Open Hole Interval 12588' to 13550'

4.5" hole

PBTD - 13550 ft

Released to Imaging: 3/20/2024 2:54:09 PM

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

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 324951

#### **CONDITIONS**

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	324951
	Action Type:
	[C-103] NOI Workover (C-103G)

#### CONDITIONS

Created By		Condition Date
mgebremichael	Should tubing replacement be required, the same tube size shall be replaced as stipulated by SWD-1213. The packer shall be set not more than 100 ft. from the top of the perforation or the top part of the injection interval.	3/20/2024