

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: May 30th 2014

Application Type:

☒ P&A ☐ Drilling/Casing Change ☐ Recomplete/DHC
☐ Location Change ☐ Other:

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-23372-00-00	MARTIN WHITTAKER	023	ELM RIDGE EXPLORATION COMPANY LLC	O	A	Rio Arriba	F	F	7	23	N	4	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Perform and provide agencies with CBL for approval prior to cementing

NMOCD Approved by Signature

7/8/14
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

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

JUN 05 2014

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. Jicarilla Contract 362
2. Name of Operator Elm Ridge Exploration Company, LLC		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe
3a. Address P.O. Box 156 Bloomfield, NM 87413	3b. Phone No. (include area code) (505) 632-3476 ext. 203	7. If Unit or CA/Agreement, Name and/or No. Farming on Flat Out
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit "F" Section 7-T23N-R4W 1745' FNL X 1190' FWL		8. Well Name and No. Martin Whittaker #23
		9. API Well No. 30-039-23372
		10. Field and Pool, or Exploratory Area S. Lindrith Gallup Dakota
		11. County or Parish, State Rio Arriba County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (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 recompleat 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 performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall 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 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

This well is incapable of production. Elm Ridge Exploration Company, LLC therefore requests approval to plug and abandon this well according to the attached procedure.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

OIL CONS. DIV DIST. 3
JUN 27 2014

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Amy Archuleta	Title Sr. Regulatory Supervisor
Signature <i>A. Archuleta</i>	Date May 30, 2014

THIS SPACE FOR FEDERAL OR STATE USE

Approved by Troy Salvors	Title Petroleum Eng.	Date 6/26/2014
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 FFO	

Title 18 U.S.C. Section 1001, makes 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 reverse)

NMOCD

Elm Ridge Resources

Pertinent Data Sheet

Well Name: Martin Whittaker 23
Footage: 1745' FNL and 1190' FWL
Location: SENW Section 7, T23N, R4W
County: Rio Arriba County, NM
API#: 30-039-23372

Field: South Lindrith Gallup Dakota **Elevation:** 6867' KB **TD:** 6570' KB

Completed: 9/20/1984

Casing Record:

Hole Size	Casing Size	Wt.	Grade	Depth Set	Cement
12-1/4"	9-5/8"	32#	J-55	269'	175 sx (Circ. to surface)
8-3/4"	7"	23#	J-55	4802'	789.7 cu. Ft. ¹
6-1/4"	4-1/2"	11.6#	J-55	6563' ²	226.5 cu. ft.

(1) DV tool at 2226'

(2) Liner top: 4673'

Tubing: 2-3/8" tubing set at 6375'

Formation Tops:

San Jose	Surface
Nacimiento	550'
Ojo Alamo	2001'
Fruitland	2343'
Pictured Cliffs	2523'
Lewis	2552'
Chacra	3357'
Mesaverde	4034'
Mancos	4832'
Gallup	5695'
Tocito	6385'
Semilla	6491'

Perforations:

Tocito-Semilla perforations: 6348' – 6426'

Gallup perforations: 5695' – 5835'

Notes:

Plugging Program for Martin Whittaker 23

1) MOL RU. TOOH with 2-3/8" tubing.

See COA 2) PU and TIH with 4-1/2" cement retainer to 5695'. Squeeze below retainer with 56 sx cmt. Sting out and spot 4 sx on top of retainer.

See COA 3) Pull up to 4882'. Spot balanced cement plug with 26 sx to cover intermediate casing shoe, production liner, and top of Mancos formation.

See COA 4) Pull up to 4084'. Spot balanced cement plug with 28 sx to cover top of Mesaverde formation.

See COA 5) Pull up to 3407'. Spot balanced cement plug with 28 sx to cover top of Chacra formation.

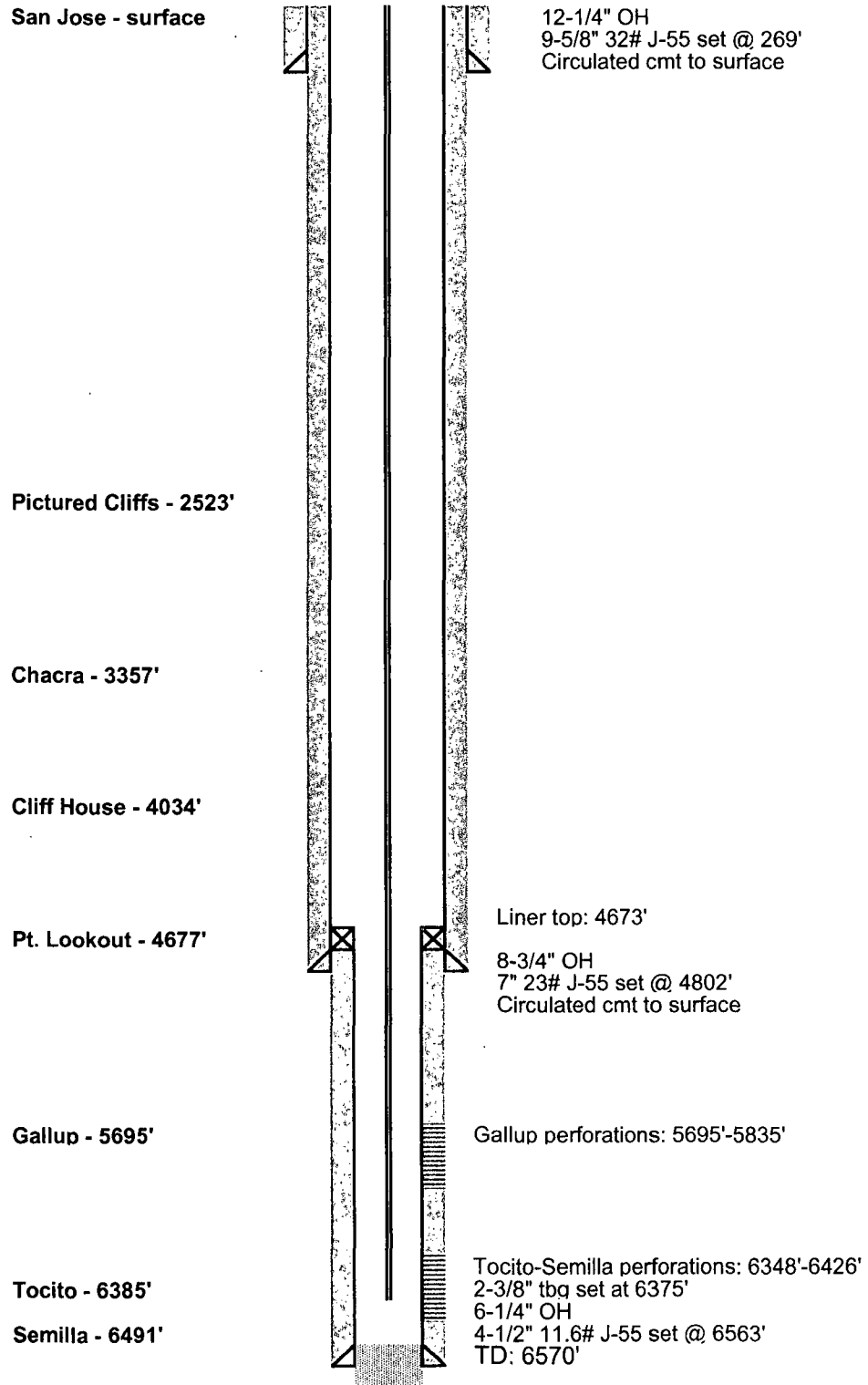
See COA 6) TOOH. Run in hole with perf gun to 2573'. Shoot 4 holes and POOH. TIH with 7" cement retainer to 2001'. Squeeze below retainer with 167 sx to cover tops of Pictured Cliffs and Fruitland formations inside and outside 7" casing. Sting out and spot 10 sx on top of retainer to cover top of Ojo Alamo formation.

See COA 7) TOOH. RIH with perf gun to 600'. Shoot 4 holes and POOH. Tie on to wellhead, mix and pump 237 sx to cover surface casing shoe and top of Nacimiento formation inside and outside intermediate casing.

8) Cut off well head 4 feet below surface and remediate location in accordance with regulatory agencies' conditions of approval.

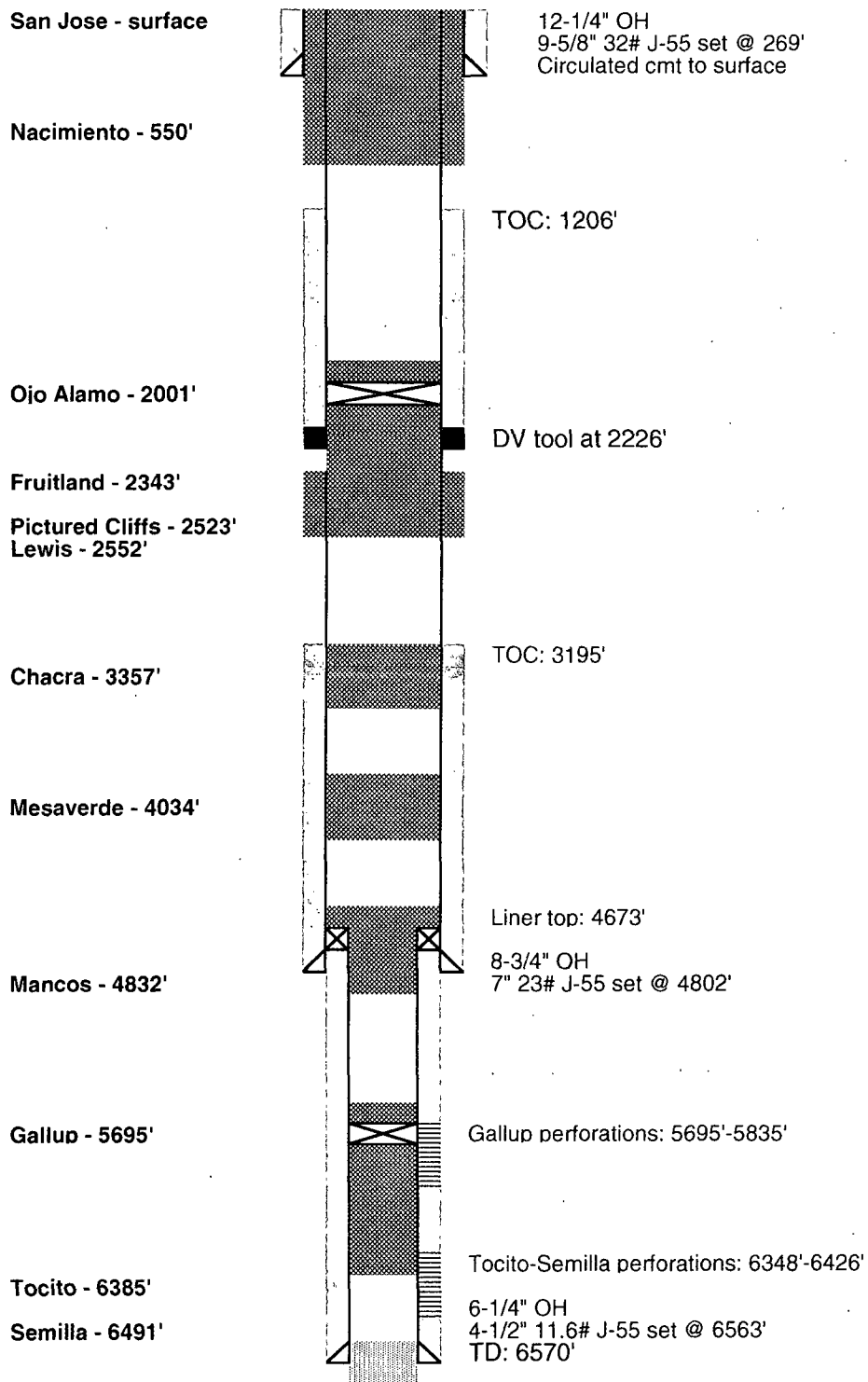
Wellbore Diagram
Martin Whittaker 23
SENW Sec. 7, T23N, R4W
Rio Arriba, NM
API #30-039-23372

Before



Wellbore Diagram
 Martin Whittaker 23
 SENW Sec. 7, T23N, R4W
 Rio Arriba, NM
 API #30-039-23372

After



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Martin Whittaker #23

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

- a) Bring the top of plug #1 to 5530 ft., (CICR set at 5695 ft.), to cover the Gallup top. Adjust cement volume accordingly to spot on top of retainer.
- b) Adjust the placement of plug #2 to (4908-4623) ft. to cover the Mancos fm., 7" intermediate shoe and 4.5" liner top. Adjust cement volume accordingly.
- c) Bring the top of plug #3 to 3900 ft. to cover the Mesaverde fm. Adjust cement volume accordingly
- d) Set plug #4 from (3301-3201) ft. to cover the Chacra fm.
- e) Bring the top of plug #5 to 1931 ft., (above CICR at 2001 ft.) to cover the Ojo Alamo top. Adjust cement volume accordingly to spot on top of retainer
- f) Adjust the placement of plug #6 to (740-0) ft. inside/ outside to cover the Nacimiento top and 9.625" surface shoe. Adjust cement volume accordingly.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.