

Submit 1 Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

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"/>		WELL API NO. 30-025-10198
2. Name of Operator SOUTHWEST ROYALTIES, INC.		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
3. Address of Operator P.O. BOX 53570; MIDLAND, TEXAS 79710		6. State Oil & Gas Lease No.
4. Well Location Unit Letter F : 1750 feet from the NORTH line and 1650 feet from the WEST line Section 11 Township 22S Range 37E NMPM LEA County		7. Lease Name or Unit Agreement Name LOU WORTHAM
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4,035' GL		8. Well Number #4
9. OGRID Number 21355		10. Pool name or Wildcat PENROSE SKELLY; GRAYBURG

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" 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"/>	OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>	
CLOSED-LOOP SYSTEM <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.

NOTICE OF INTENT TO PLUG AND ABANDON – 24 HRS NOTICE

POH 2-3/8" tbg, Tag RBP @ 3527', Set w/ 25 sxs Class C cmt, WOC 4 hrs & tag, Test to 500 psi. Circ hole with 10# gelled brine. CMT Plug #1 @ 2750' – Spot 40 sxs Class C cmt, WOC 4 hrs & tag, CMT Plug #2 @ 1250' – Perf and Squeeze 65 sxs Class C cmt, WOC 4 hrs & tag, Surface Plug @ 325' – Perf and Circulate Class C cmt to Surface.

No earthen pit, Open/Steel pit will be used, Contents disposed of at approved disposal site, remove wellhead, Install below ground dry hole maker

**** Location Remediation to Follow****

4" diameter 4' tall Above Ground Marker

SEE ATTACHED CONDITIONS OF APPROVAL

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

SIGNATURE Lindsay Livesay TITLE REGULATORY ANALYST DATE 03/08/2022

Type or print name LINDSAY LIVESAY E-mail address: llivesay@swrpermian.com PHONE: (432) 207-3054

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 3/10/22
Conditions of Approval (if any): 200 575-263-6633

Wellbore Schematic

Printed: 3/8/2022

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Lou Wortham # 4	Well ID: 331457-004	API # 30-025-10198
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Lou Wortham #4, 3/8/2022

1750 FNL & 1650 FWL

GL Elev: KOP:

Section 11, Township 22S, Range 37E

EOC:

County, State: Lea, NM

Fill Depth:

Aux ID:

PBTD:

'KB' correction: ; All Depths Corr To:

TD: 3,811.00

BOP:

Hole Size

Diameter	Top At	Btm At	Date Drilled
12.2500	0.00	272.00	11/19/1961
7.8750	272.00	3,811.00	11/27/1961

Surface Casing Date Ran: 11/19/1961

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		8.6250	24.00	J55	272.00	0.00	272.00

Production Casing Date Ran: 11/27/1961

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		5.5000	14.00	J55	3,811.00	0.00	3,811.00

Cement

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
0.00	272.00	8.625	12.250	Circ	10 - Lead	225		
Lead: Reg. cmt								
	3,811.00	5.500	7.875		20 - Lead	450		
Lead: Reg. Cmt								

Zone and Perfs

Comments / Completion Summary

3627-3721 Frc'd w/ 20,000 gals refined oil & 40,000# 20/40 snd in 2 eq1 stages seprtd by 70 bs. Each w/ 250gals 15% reg. acd.

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
3,627.00	3,721.00	Grayburg	A	12/3/1961			

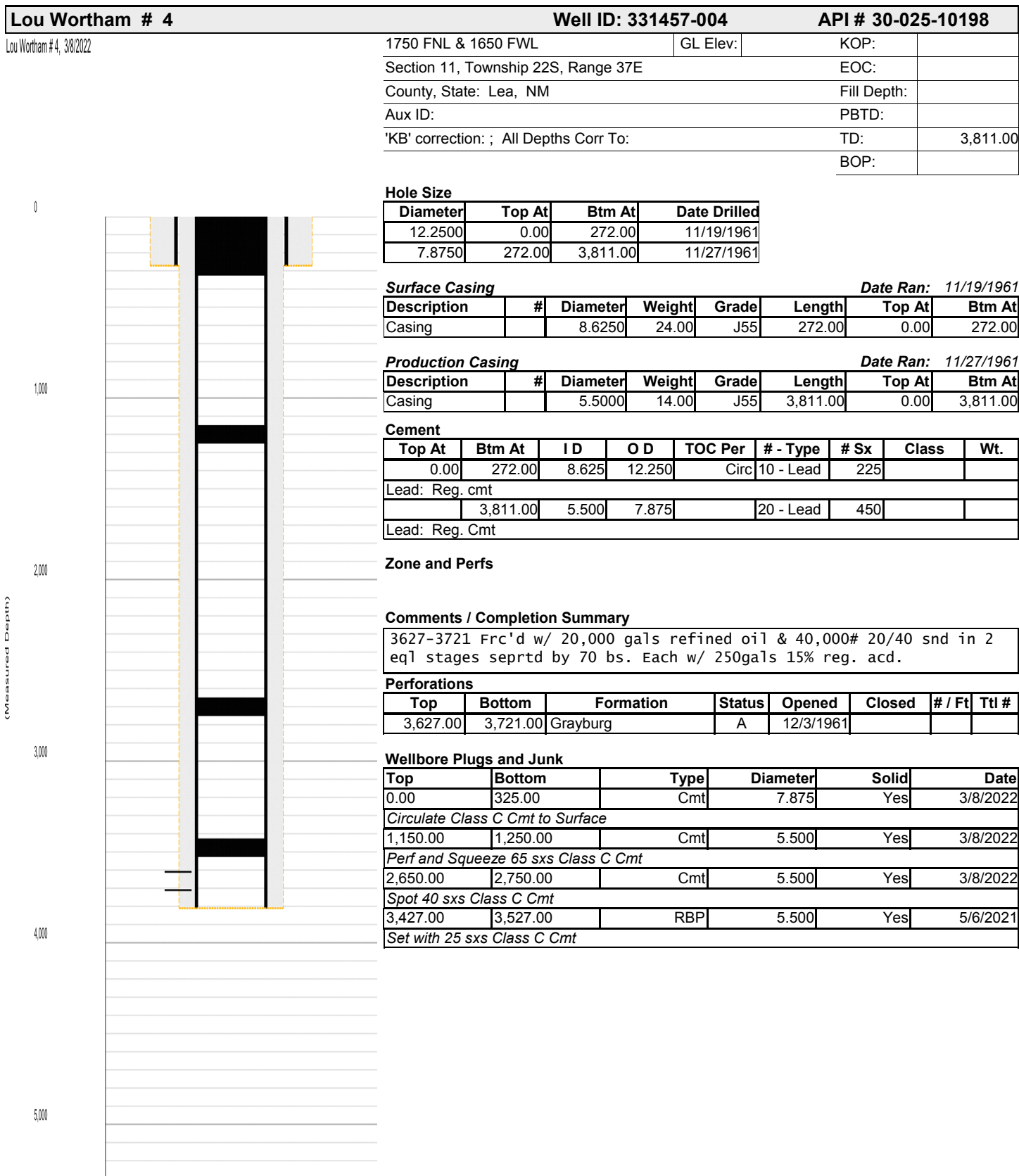
Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
200.00	200.00	RBP	5.500	Yes	5/6/2021
5-1/2" TS 14-20# RBP 10K, 25 sxs sand on top					
3,527.00	3,527.00	RBP	5.500	Yes	5/6/2021
5-1/2" TS 14-20# RBP 10K, 25 sxs sand on top					

Wellbore Schematic

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**CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at (575)-263-6633 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Potash---(In the R-111-P Area (Potash Mine Area),
A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

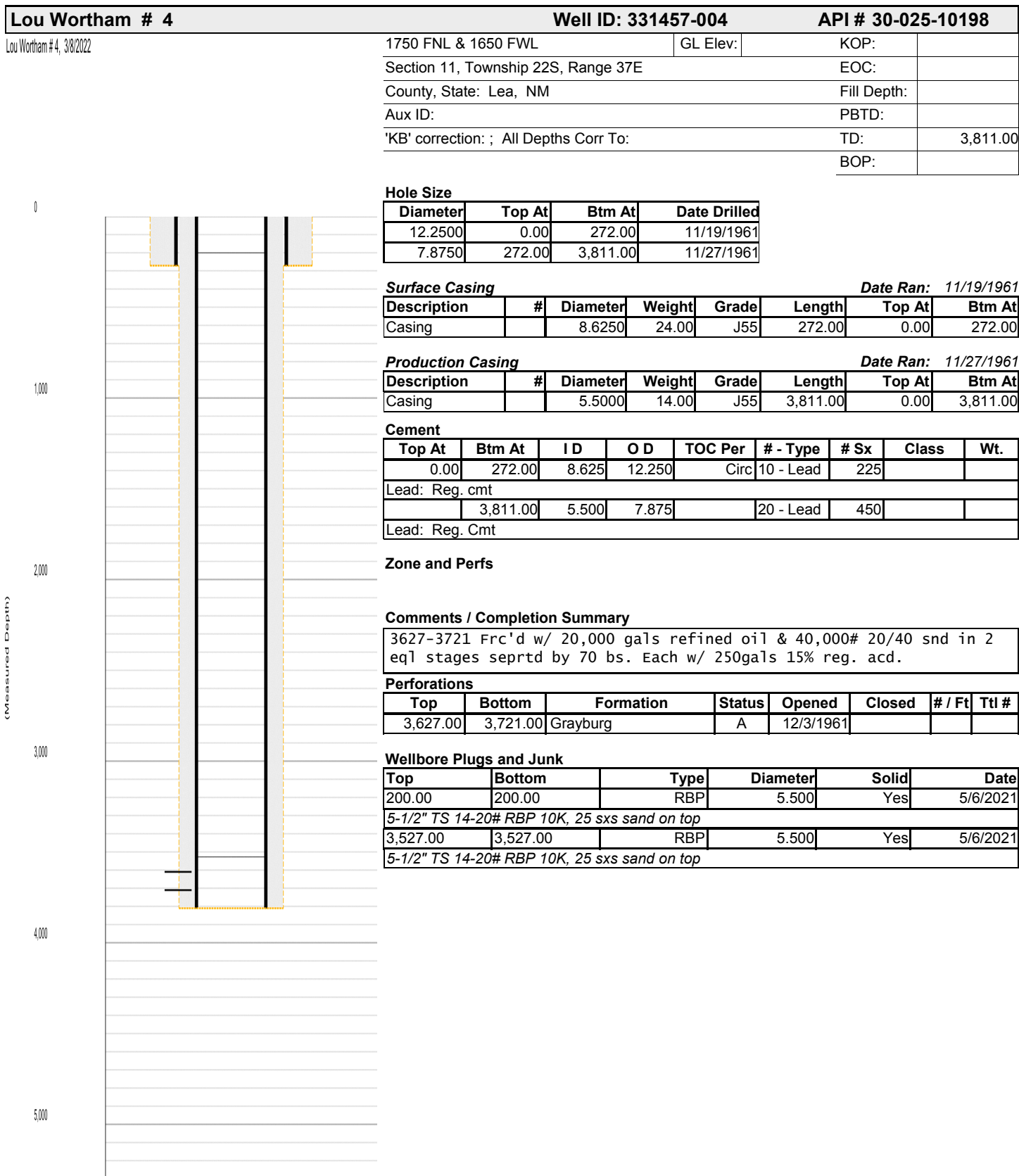
In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

Wellbore Schematic

Printed: 3/8/2022

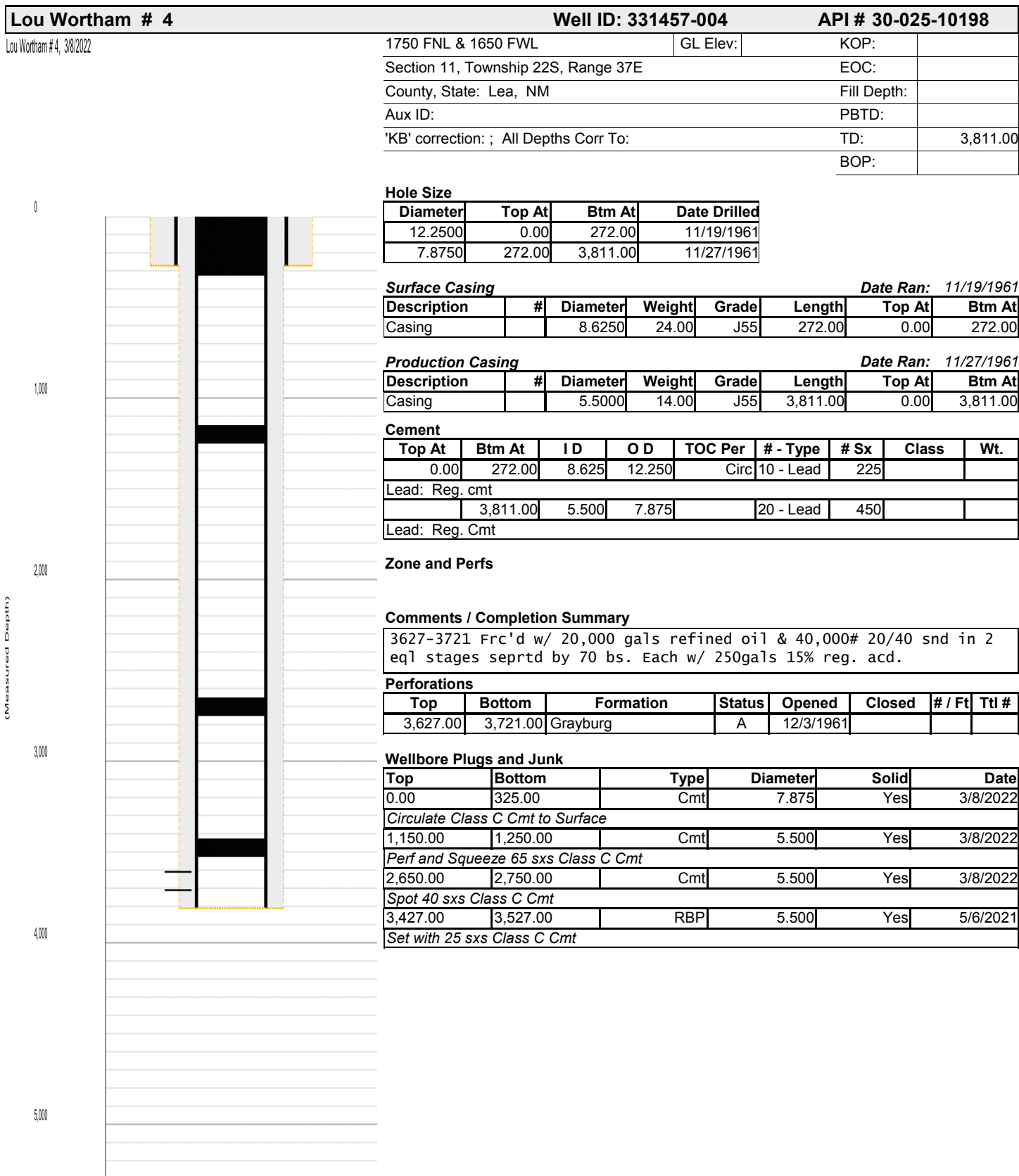
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 88117

CONDITIONS

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 88117
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval	3/10/2022