

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

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

|   |
|---|
| WELL API NO.<br><b>30-025-03610</b>   |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.  |
| 7. Lease Name or Unit Agreement Name<br><b>CROSSROADS SILURO<br/>DEVONIAN UNIT</b>                  |
| 8. Well Number<br><b>#304</b>   |
| 9. OGRID Number<br><b>21355</b>   |
| 10. Pool name or Wildcat<br><b>CROSSROADS; SILURO DEVONIAN</b>                                      |

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 ☐ Gas Well ☐ Other ☒ **SWD**

2. Name of Operator  
**SOUTHWEST ROYALTIES, INC.**

3. Address of Operator  
**P.O. BOX 53570; MIDLAND, TEXAS 79710**

4. Well Location  
Unit Letter **A** : **660** feet from the **NORTH** line and **660** feet from the **EAST** line  
Section **27** Township **09S** Range **36E** NMPM **LEA** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**4,027' GR**

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

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ **PLUG AND ABANDON** ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐ OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
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.

During recent operations with a pulling unit, it was determined that this well has collapsed 9-5/8" casing at ~1980'. Several days were spent trying to mill and fish through this bad spot without any success. The wellbore needs to be plugged at this time and the following plan is proposed:

1. RIW with 9-5/8" packer on 2-7/8" tbg to ~1800'.
2. RU cement company and pump/sqz 375 sx "C" cmt. Pressure up to 1000 psi and displace TOC to 1900'. SWI. WOC. **Attempt to pump to perfs @ 11,000**
3. Tag TOC at ~1900'.
4. Fill 9-5/8" csg to surface from 1900' with 625 sx "C" cmt.
5. Cut off wellhead and weld on steel plate w/ below ground, dry hole marker.
6. Clear and level location.

\*\* SEE ATTACHED CURRENT WELLBORE DIAGRAM.\*\*

**See Attached  
Conditions of Approval**

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

SIGNATURE  TITLE REGULATORY ANALYST DATE 01/18/2021

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

APPROVED BY:  TITLE Compliance Officer A DATE 1/18/21  
Conditions of Approval (if any):

# Southwest Royalties Inc.

## Current Well bore Diagram

### Crossroads Siluro Devonian Unit Well #304

30-025-03610

Unit Letter A, 660' FNL &amp; 660' FEL

SEC. 27, T9S R36E

Lea CO., NM

Spud date 12/19/51

13 3/8", 40#, csg @ 259'

300 sxs of cmt. Cir to surface.

Hole size 17"

9 5/8", 36# &amp; 40#, csg @ 4668'

2400 sxs of cmt. Cir to surface.

Hole size 12"

347 jts of 2 7/8", EUE, 8rd, 6.5#, Duoline tbg

1.87" "F" profile nipple.

2 3/8" x 5 1/2" Baker Nickel plated Loc-set pkr @ 11,310'.

1 jt of 2 3/8", J-55 tbg.

1.81" "F" profile nipple.

2 3/8" collar.

Perforations: (1JSPF)

11,400'-11,413' 1-JSPF Nov. 1982.

11,442'-11,450' 1-JSPF Dec. 1978.

12,089'-12,095' 1-JSPF Apr. 1974.

12,085'-12,100' 1-JSPF Apr. 1974. SQZ.

5 1/2", 17# &amp; 20#, csg @ 12,118'.

1178 sxs of cmt. Est TOC (TS) 6320'

Hole size 7 7/8"

TD 12,130'

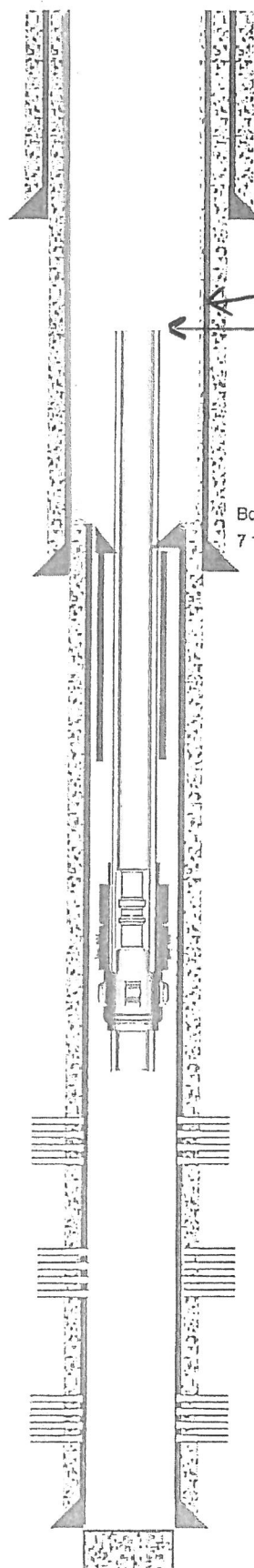
ELEV: 4027' GR

Collapsed 9-5/8 casing  
@ ~ 1980'

Parted tubing @ ~ 2000'

Bowen Lead seal csg patch @ 4600'.

7 1/16" OD on 5 1/2" stub.



|                     |           |             |                                 |
|---------------------|-----------|-------------|---------------------------------|
| Well Name & Number: | Well #304 | Lease:      | Crossroads Siluro Devonian Unit |
| County or Parish:   | Lea       | State/Prov. | NM                              |
|                     |           | Country:    | USA                             |

**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, woe 4 hours and tag, this plug will be SO' 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, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing.

### **DRY HOLE MARKER REQ.UIRMENTS**

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 1/4" 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**

**District I**  
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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**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 14920

**CONDITIONS OF APPROVAL**

|              |  |  |                         |  |  |               |  |  |                  |  |  |        |  |       |  |                |  |       |  |              |  |        |  |
|--------------|--|--|-------------------------|--|--|---------------|--|--|------------------|--|--|--------|--|-------|--|----------------|--|-------|--|--------------|--|--------|--|
| Operator:    |  |  | SOUTHWEST ROYALTIES INC |  |  | P O BOX 53570 |  |  | Midland, TX79710 |  |  | OGRID: |  | 21355 |  | Action Number: |  | 14920 |  | Action Type: |  | C-103F |  |
| OCD Reviewer |  |  |                         |  |  | Condition     |  |  |                  |  |  |        |  |       |  |                |  |       |  |              |  |        |  |
| jagarcia     |  |  |                         |  |  | None          |  |  |                  |  |  |        |  |       |  |                |  |       |  |              |  |        |  |