

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**Carlsbad Field Office**  
**OCD Artesia**  
**SUNDRY NOTICES AND REPORTS ON**  
**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.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

WS OIL AND GAS OPERATING, LLC

3a. Address

P.O. BOX 5375  
MIDLAND, TX 79704

3b. Phone No. (include area code)

432-242-4965

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

330 FNL 330 FWL, UL D SEC 28 T19S R31E

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

8. Well Name and No.  
TENNECO FEDERAL 001

9. API Well No.  
30-015-05794

10. Field and Pool or Exploratory Area  
29490: HACKBERRY; YATES-7RVRS; NORTH

11. Country or Parish, State  
EDDY, NM

12. CHECK THE 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 checked="" 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 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 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 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat 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 determined that the site is ready for final inspection.)

PROPOSED PROCEDURE TO DEEPEN WELL 150'.

OBJECTIVE: OPEN AND PRODUCE FROM YATES 2.3 AND 4 ZONES.

1. INSPECT LOCATION AND ANCHORS.
2. BLEED OFF EXISTING PRESSURE. MIRU WORKOVER RIG. INSTALL PROPER BLOWOUT EQUIPMENT
3. UNHANG WELL. POOH WITH PUMP AND RODS. VISUALLY INSPECT RODS AND SHOP PUMP.
4. NIPPLE DOWN WELLHEAD. NIPPLE UP BOP. TAG FOR FILL.
5. POOH LAYING DOWN 2-3/8" TUBING.
6. PU 4-1/2" BIT AND 5-1/2" CASING SCRAPER, CLEAN OUT TO 2200' (PBTD). 2200'
7. POOH WITH BIT AND SCRAPER.
8. PU BOTTOMHOLE DRILL STRING ASSEMBLY.
9. DRILL THROUGH CASING SHOE @ 2205'. DRILL NEW HOLE TO 2355'
10. CIRCULATE WELL CLEAN. POOH WITH DRILL STRING.
11. PU AND RIH WITH 5-1/2" RBP AND PACKER. SET RBP @ 2198'. PUH SET PACKER @ 2100'
12. ACIDIZE PERFS 2152' - 2190'. SWION FOR ACID TO SPEND.
13. FLOWBACK ACID. POOH WITH RBP AND PACKER.
14. RIH WITH PACKER. SET PACKER @ 2198'. ACIDIZE OPENHOLE WITH ACID AND DIVERTER. SWION.
15. FLOWBACK ACID. POOH. RETURN TO PRODUCTION.

Accepted for record - NMOC

RECEIVED

JUN 13 2018

DISTRICT II-ARTESIA O.C.D.

ACCEPTED FOR RECORD - OPERATOR HAS CHANGED

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

CARIE STOKER

Title REGULATORY AFFAIRS COORDINATOR

Signature

Carie Stoker

Date 03/21/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ACC

Title

J. SHEPARD PE

Date

5/21/18

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

CFO

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)

# W.S. OIL & GAS OPERATING

## WELLBORE DIAGRAM

Lease/Well No.: **Tenneco Fed 1**

Location:

330' FNL & 330' FWL

UL: D, SEC: 28, T: 19, R: 31-E

EDDY County, NM

ELEVATION, GL: 3,492 ft

FIELD: Hackberry

LEASE No.:

API No.:

**30-015-05794**

Spudded: 8/15/1962

Drig Stopped: 8/30/1962

Completed: 9/30/1962

LAT:

LONG:

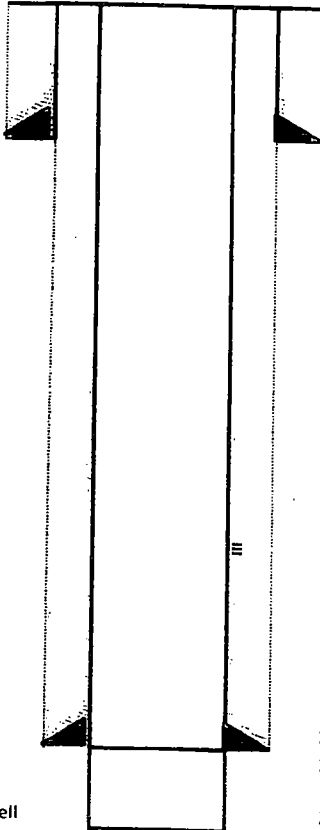
10" HOLE

Surface Csg:

8-5/8"

Csg Set @ 625'

Cmt'd w/ 75 sx



TOC = 175'

Calc'd (75% SF)

625'

TOPS

SALT - Base

YATES

DEPTH, ft

2,355

TOC Est'd @ 1,792'

Calculated (75% SF)

PERFS:

Zone

SPF - # Holes

Date

Y Zone 1

48' 2+ spf - 96 holes

Zone 2

OH

OH

OH

TOTALS: 48' -- 96 holes

2152 - 2190'

Production Csg:

5 1/2"

Csg Set @ 2,205'

Cmt'd w/ 100 sx

2,205' TD

2,200' PBDT

Proposal to Deepen Well

150' Open Hole

4-1/2" bit

2355' TD OF

Legend:

Black - Existing Well

Red - Proposed drill