

UNITED STATES N. M. OIL CONS. COMM. NM  
DEPARTMENT OF THE INTERIOR P.O. BOX 1980  
BUREAU OF LAND MANAGEMENT ALBUQUERQUE, NEW MEXICO 80766

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires September 10, 1990

LEASE DESIGNATION AND SERIAL NO.

LC-060945

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

8. WELL NAME AND NO.

South Justis Unit "D" #21

9. API WELL NO.

30-025-11704

10. FIELD AND POOL, OR EXPLORATORY AREA

Justis Blbry-Tubb-Dkrd

11. COUNTY OR PARISH, STATE

Lea

**SUBMIT IN TRIPLICATE**

1. TYPE OF WELL

☒ OIL  
WELL

☐ GAS  
WELL

☐ OTHER

2. NAME OF OPERATOR

ARCO Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1610, Midland, TX 79702

(915) 688-5672

4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description)

1980 FSL & 330 FEL (Unit Letter I)  
23-25S-37E

12.

**CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

☒ NOTICE OF INTENT

☐ SUBSEQUENT REPORT

☐ FINAL ABANDONMENT NOTICE

TYPE OF ACTION

☐ ABANDONMENT

☐ RECOMPLETION

☐ PLUGGING BACK

☐ CASING REPAIR

☐ ALTERING CASING

☒ Other

☐ CHANGE OF PLANS

☐ NEW CONSTRUCTION

☐ NON-ROUTINE FRACTURING

☐ WATER SHUT-OFF

☐ CONVERSION TO INJECTION

Work over wellbore South Justis Unit  
(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Propose to work over wellbore for South Justis Unit as follows:

1. POH w/CA.
2. Clean out fish. Drill out CIBP & 2 pkrs.
3. CO hole to 6014 PBD.
4. Run csg integrity test.
5. Add perforations and stimulate.
6. RIH w/CA.

RECEIVED  
AUG 18 10 36 AM '93  
CARLSBAD RESOURCE  
AREA HEADQUARTERS

14. I hereby certify that the foregoing is true and correct

SIGNED Ken W. Gosnell

TITLE Regulatory Coordinator

DATE 8-17-93

(This space for Federal or State office use)

APPROVED BY (ORIG. SGD.) JOE G. LARA

TITLE PETROLEUM ENGINEER

DATE 10/8/93

CONDITIONS FOR APPROVAL, IF ANY:

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.

## WORKOVER PROCEDURE

DATE: 7/13/93

WELL & JOB: SJU "D" #21 - Clean out to 6014' and bring into unit

DRILLED: 1961

LAST WORKOVER: 11/11/87 - Repair hole in tubing

FIELD: South Justis Unit

COUNTY: Lea, NM

BY: B. G. Voigt

TD: 6050'

PBD: 5685'

DATUM: 11.6' RKB

TUBINGHEAD: ?

SIZE:

PRESS RATING:

CASING:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>SET @</u>	<u>SX CMT</u>	<u>TOC</u>
SURFACE:	9-5/8"	32.3 lb	H-40	905'	290 sx	circ
INTER:						
PROD:	7-5/8" & 7"	29.7 & 20 lb	N-80 & J-55	6046'	1000 sx	2900' (CBL)
LINER:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TOP</u>	<u>BTM</u>	<u>TO</u>

PERFORATIONS: Paddock: 4940-76' (Squeezed w/ 110 sx cement 6-7-65 and 177 sx 5-17-72)  
Blinebry: 5048, 50, 60, 62, 74, 88, 5110, 30, 51, 59, 61, 66, 85, 98, 5205, 07, 16, 28, 36, 47, 59, 62, 5336-71, 5386-96, & 5420-66  
Tubb/Drinkard: 5770-84, 5830-80, & 5892-5914'

TUBING: SIZE: 2-3/8" WEIGHT: 4.7 lb GRADE: J-55 THREAD: EUE 8rd  
BTM'D @ 5529' JOINTS: 177 MISC: Perf sub, SN, & TAC.  
NOTE: 177 joints contains 25 jts IPC tubing (See Schematic).

PACKER AND MISC: Fish: 30' x 2-3/8" MA on top of 35' cement which is on top of a CIBP at 5720'  
Two Baker Model "D" packers at 5731' and 5740'

HISTORY AND BACKGROUND: This well was originally drilled as a Blinebry, Paddock, and Tubb/Drinkard producer. All zones have been acidized and fraced. On 5-20-65, the Model "D" packer at 5740' was found to be leaking and a new packer was run and set at 5731'. On 6-7-65, the Paddock zone was squeezed using 110 sx cement and tested to 1500 psi (tested OK). On 5-9-72, a CIBP was set at 5720' with 35' cement on top of it to P&A the Tubb/Drinkard zone. On 5-17-72, the Paddock was re-squeezed with 150 sx cement and tested to 1000 psi (tested OK). While replacing bad tubing on 1-11-86, Production noted that a 30' MA was left in the hole. Currently, the well is a producer in the Blinebry zone.

SCOPE OF WORK: Clean out to 6014' and bring well into unit

### PROCEDURE

1. MIRU PU. POOH with rods and pump. ND WLHD. NU BOP. POOH with completion assembly.
2. RIH with 6-1/4" MT bit and 4-1/4" DC's on 2-7/8" WS to top of Blinebry perforations at 5048'. Break circulation using bridging material (drilling paper). Continue in hole and clean out to top of fish (MA possibly at 5655'). Circulate hole clean and POOH.
3. RIH with 6-1/8" x 4-5/8" KR shoe and washover assembly on 2-7/8" WS. Washover MA and cut 2' core in cement. POOH with fish and core.
4. RIH with 6-1/4" MT bit and 4-1/4" DC's on 2-7/8" WS and drill out remainder of cement and CIBP at 5720'. Continue in hole and drill out both Baker Model "D" packers at 5731' and 5740'. Continue in hole and clean out to 6014'. Circulate hole clean and POOH.
5. RIH with Baker FBRC packer on 2-7/8" WS and set packer at 5000'. Conduct casing integrity test down 2-7/8" x 7" annulus to 500 psi. Pump acid clean-up job. POOH with WS and packer.
6. Add perforations and stimulate.
7. RIH w/ CA

# Current Wellbore Diagram

SJU "D" #21

RKB=11.6'

# Proposed Wellbore Diagram

30' MA (2-3/8")  
left in hole 1/86  
LBP w/ 35' cement  
top set @ 5720'  
6-9-72.  
Baker Model "D"  
pump @ 5731'  
5740'.

6050 TD  
5685 PBD

9-5/8" 32.3 lb H-40 csg  
set @ 905'. Cemented w/  
290 sx cement TOC = surface

## Current CA:

PS, SN, 15 jts 2-3/8" 4.7# EUE Bnd  
IPC 5-58 tbg, 2-3/8" x 7" TAL (30K shear)  
set w/ 12 K<sup>+</sup>, 10 jts 2-3/8" 4.7# EUE Bnd  
IPC tbg, 6 jts 2-3/8" 4.7# EUE Bnd 555 tbg,  
146 jts 2-3/8" 4.7# BTC tbg bottomed @ 5529'.  
SN @ 5525'. TAL @ 5040'.

## Proposed CA:

Per EIP Engineering.

## Current Perforations:

Production: 4940-76' (sagd w/ 110SX  
6-7-85 / 177SX 5-17-72)  
Blowby: 5048 - 5466'  
Tubing Drifted: 5830 - 5914'

## Perforations Added or Squeezed During Proposed WO Operations:

None  
As per D. Prentice

7 5/8" 29.7 lb N-80 7" 20 lb  
5-55 csg, set @ 6046'.  
Cemented w/ 100 SX cement.  
TOC = 2900' (CBL)