

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <u>LC-060945</u>
2. Name of Operator <u>ARCO Oil & Gas Company</u>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <u>P.O. Box 1610, Midland, TX 79702 915 688-5672</u>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <u>1980 FSL & 1650 FEL (Unit Letter J)</u> <u>23-25S-37E</u>	8. Well Name and No. <u>South Justis Unit "C" #21</u>
	9. API Well No. <u>30-025-11706</u>
	10. Field and Pool, or Exploratory Area <u>Justis Blkry-Tubb-Dkrd</u>
	11. County or Parish, State <u>Lea</u>

CHECK APPROPRIATE BOX(s) 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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>WO wellbore for South Justis Unit</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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 workover wellbore for South Justis Unit as follows:

1. POH w/CA
2. Retrieve RBP & clean out to 6050 PBD.
3. Run casing integrity test.
4. Add perforations and stimulate
5. Rlt w/CA.

RECEIVED
SEP 3 11 21 AM '93
CARRIZO
AREA

14. I hereby certify that the foregoing is true and correct	<u>Ken W. Gosnell</u>	Date <u>9-1-93</u>
Signed <u>Ken W. Gosnell</u>	Title <u>Regulatory Coordinator</u>	Date <u>8-13-93</u>
(This space for Federal or State office use)		
Approved by <u>(ORIG. SEC.) JOE B. LARA</u>	Title <u>Petroleum Engineer</u>	Date <u>9/27/93</u>
Conditions of 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.

*See Instruction on Reverse Side

WORKOVER PROCEDURE

DATE: 6/01/93

WELL & JOB: SJU "C" #21

DRILLED: 7/61

LAST WORKOVER: 12/8/88 - Pull RBP to open Tubb Perfs

FIELD: South Justis Unit

COUNTY: Lea, NM

BY: B. G. Voigt

TD: 6052'

PBD: 5945' (RBP)

DATUM: 10' 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"	32.30 lb	H-40	936'	500 sx	circ
INTER:						
PROD:	7"	20 & 23 lb	?	6050'	800 sx	1100' (TS)
	7-5/8"	29.7 lb	?	(4 jts on top of 7")		
				Remedial squeeze brought TOC to 680'		

LINER:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TOP</u>	<u>BTM</u>	<u>TO</u>

PERFORATIONS: Paddock: 4968-70', 4973-5015', 5018-20' at 4 SPF (squeezed)
 Blinebry: 5105, 11, 19, 33, 36, 44, 52, 57, 63, 5203, 16, 22, 29, 45, 48, 67, 81, 82, 5312-5351', 5377-86', 5458-5508' (The interval from 5310-5508' was squeezed and the interval from 5312-5386' was reperfed)
 Tubb/Drinkard: 5808-16', 5820-5847', 5858-72', 5883-88', 5900-14', 5988, 93, 95, 6000, 6003, 6007'

TUBING: SIZE: 2-3/8" WEIGHT: 4.7 lb GRADE: J-55 THREAD: ?
 BTM'D @ 5922' JOINTS: 187 MISC: MA, perf sub, & SN (SN @ 5885')

PACKER AND MISC:

HISTORY AND BACKGROUND: The well was originally drilled in 1961. The well was perforated in the Blinebry, Paddock, & Tubb/Drinkard zones. The Paddock perforations were squeezed in September of 1961. In June of 1980, the squeeze job on the paddock perfs was leaking. The perforations were squeezed with 50 sx of cement. The squeeze was tested to 1500 psi and was holding. Currently the well is plugged back to 5945' with a Guiberson RBP. The RBP is plugging off the Drinkard perforations. The original PBD is 6018'.

SCOPE OF WORK: Retrieve RBP, clean well out to 6050', and bring into unit

PROCEDURE

1. MIRU PU. POOH with rods and pump. ND WLHD. NU BOP.
 2. POOH with completion assembly.
 3. RIH with 6-1/4" bit, DC's, and 2-7/8" WS to top of Blinebry perforations. Break circulation using bridging material. Continue in hole to RBP at 5945' (NOTE: Per report 12/8/88, RBP has 4' fill on top of it). Clean out fill to top of RBP. Circulate hole clean. POOH.
 4. RIH with on/off tool on 2-7/8" WS. Clean fill around RBP. Latch RBP and POOH.
 5. RIH with 6-1/4" bit, DC's, and 2-7/8" WS and clean out well to 6050'. Circulate hole clean. POOH.
 6. RIH with Baker Model "G" RBP on 2-7/8" WS to 5050'. Perform casing integrity test to 500 psi. POOH with WS and RBP.
- 6.(a) Add perforations and stimulate.

7. RIH with completion assembly (MA, perf sub, SN, TAC, & 2-3/8" tubing) per F/P Engineering.
8. ND BOP. NU WLHD. RIH with pump and rods per F/P Engineering design.
9. RD PU. TOTPS.

Barry Knight 6-1-93
Permian Team Drilling Engineer

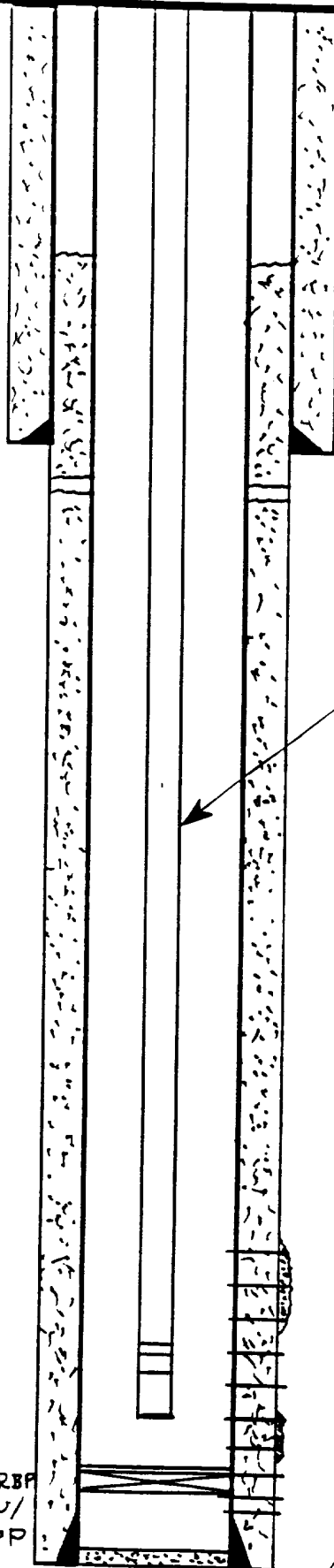
[Signature] 6-16-93
Permian Drilling Team Leader

Current Wellbore Diagram

SJU "C" #21

RKB=10'

Proposed Wellbore Diagram



9-5/8" 32.301b H-40 STC csg.
set @ 936'. Cmt'd. w/ 500
sx cmt. TOL = surface

Current CA:

MA. Perf sub, SJU, i 187
its 2-3/8" J-55 tbg. The
bottomed @ 5922' SJU @
5885'. 2"x1 1/4" x 12' x 16' RHTC pump
w/ 6A, 2' x 3/4" rod sub, 6-7/8" rods w/ guides,
6-7/8" rods, 136 3/4" rods, 85-3/8" rods, 4' x
7/8" rods, 1' 1/4" x 20' DR w/ 12' Liner.
Proposed CA:
Per FIP Engineering

Current Perforations:

Paddock: 4968-5020 (sqzd w/
270 sx cmt. 9/161 - re sqzd w/
50 sx 6/80)
Blinckmy: 5105-5386' / 5310'-
5508 (sqzd w/ 730 sx 9/161)
Tubb/Dinkard: 5808-6007'

Perforations Added or Squeezed During Proposed WO Operations:

Add as per D. Prentice

7" 20' 231b csg i 7-7/8" 29.71b
csg (4' its on top) set @ 6050'.
Cmt'd w/ 800 sx cmt. TOL =
1100'. Sqzd down annulus w/
500 sx cmt. Displaced to 680'.
6052' TD 5945' PBD 6052' TD 6050' PBD

Gwibers on RBP
@ 5945' w/
4' fill on top

