

N. M. OIL CONS. COMMISSION
P.O. BOX 1200
ALBUQUERQUE, NEW MEXICO 88240
SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-025-31964

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC--032650-B
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
2. NAME OF OPERATOR ARCO Oil and Gas Company		7. UNIT AGREEMENT NAME South Justis Unit
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702 Phone, 915-688-5672		8. FARM OR LEASE NAME South Justis Unit 'G'
4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.) At surface 1400' FSL & 1450' FEL (Unit Letter J) At proposed Prod. zone Approximately the same		9. WELL NO. 210
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 4.0 miles east of Jal, New Mexico		10. FIELD AND POOL, OR WILDCAT Justis Blinebry Tubbs Drinkard
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1190'	16. NO. OF ACRES IN LEASE 5360	11. SEC., T., M. OR BLK. AND SURVEY OR AREA 24-T25S-R37E
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 780'	19. PROPOSED DEPTH 6,200'	12. COUNTY Lea
21. ELEVATIONS (Show whether GR or KB) 3062' GR		13. STATE NM
22. APPROX. DATE WORK WILL START Spud 7/93		

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT ft ³
20"	13-3/8"	48.0#	40'	50 cu ft
12-1/4"	8-5/8"	24.0#	1000'	825 cu ft
7-7/8"	4-1/2"	10.5#	6200'	3,200 cu ft (tie back)

Unorthodox location approved by Amendment to Order No. R-9747 dated 1-11-93

Subject well is planned as a 6200' MD (6200' TVD) straight well. 3M psi BOPE will be used from 1000' to TD. Attachments are as follows:

1. Certified Location Plat
2. Drilling Plan with Attachments 1-3
3. Surface Use Plan with Attachments 3-9

Previously submitted by AOGC to BLM:

1. Archaeological Survey of The South Justis Waterflood Project
2. Preliminary Project Report South Justis Unit
3. Unit Agreement South Justis Unit

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventor program, if any.

24. SIGNED Ken G. Gosnell TITLE Regulatory Coordinator DATE 2-22-93
(This space for Federal or State Use)

PERMIT NO. (032650-B) APPROVAL DATE _____
APPROVED BY RICHARD L. MANES TITLE _____ DATE 4/22/93

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

ATTACHED
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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.

R-9747 NIL

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

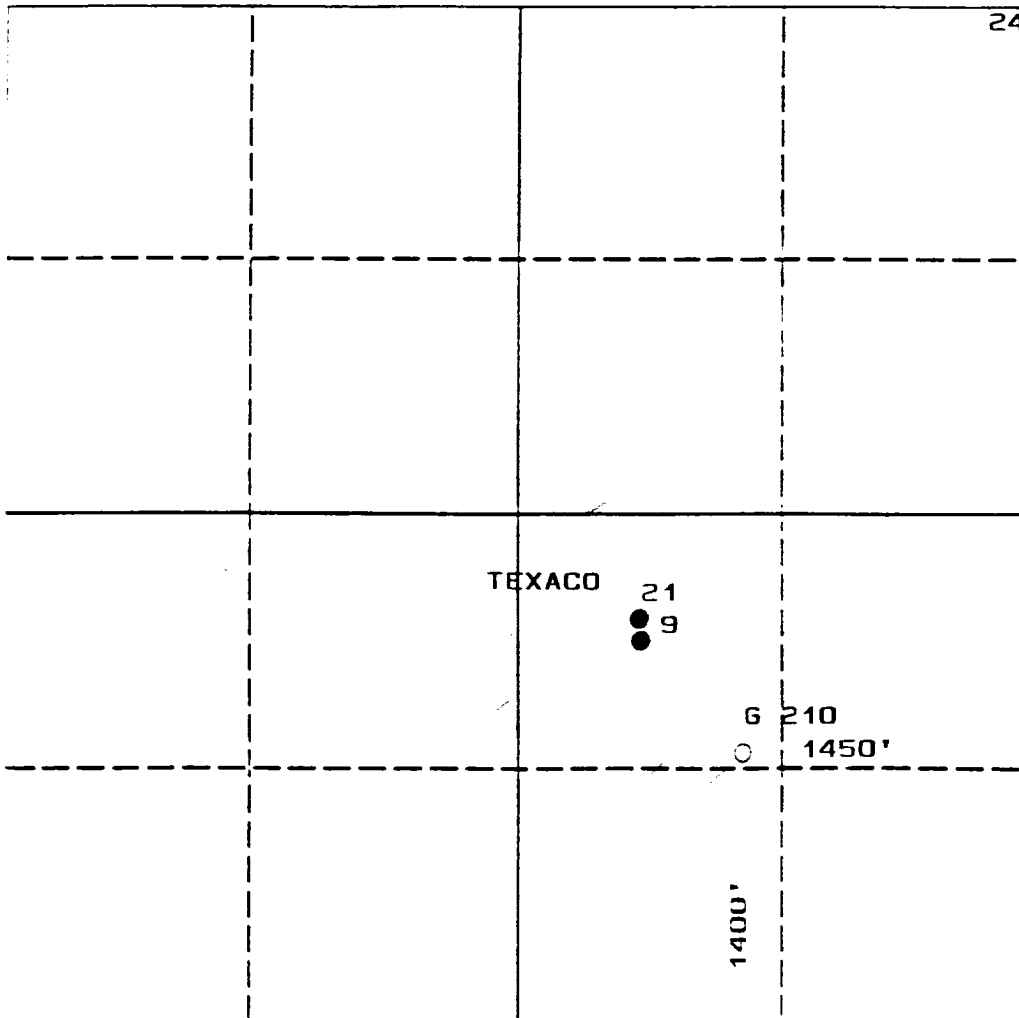
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	ARCO OIL AND GAS COMPANY			Lease	South Justis Unit "G"		Well No.	210
Section	24	Township	25 S	Range	37 E	County	Lea	
Actual Footage Location of Well:								
1400	feet from the	South	line and	1450	feet from the	East	line	
Ground level Elev.	Producing Formation			Pool	Dedicated Acreage:			
3062'	Blinebry - Tubb - Drinkard			Justis	40 Acres			
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>								



OPERATOR CERTIFICATION

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

Ken W. Gosnell
Signature

Ken W. Gosnell
Printed Name

Reg. Coord.
Position

ARCO Oil and Gas Co.
Company

12-7-92
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 23, 1992

Signature & Seal of
Professional Surveyor

[Signature]
Certificate No. 648

DRILLING PLAN

Attach to BLM Form 3160-3
ARCO Oil and Gas Company
Well: South Justis Unit G-210
Section 24-T25S-R37E
1400' FSL & 1450' FEL
Lea County, New Mexico

1. Surface Geological Formation

Ogallala Formation of late Tertiary age.

2. Estimated Tops of Geological Markers

<u>Formation</u>	<u>TVD</u>
Salt	1000'
Yates	2275'
Queen	2975'
Grayburg	3100'
San Andres	3550'
Glorietta	4625'
Blinbry	5000'
Tubb	5675'
Drinkard	5875'

3. Estimated Tops of Possible Water, Oil, Gas or Minerals:

Sands above 1000'	Water *
Yates	Gas**
Blinbry	Oil or Gas**
Tubb	Oil or Gas**
Drinkard	Oil or Gas**

* Groundwater will be protected by 8-5/8" surface casing cemented to surface.

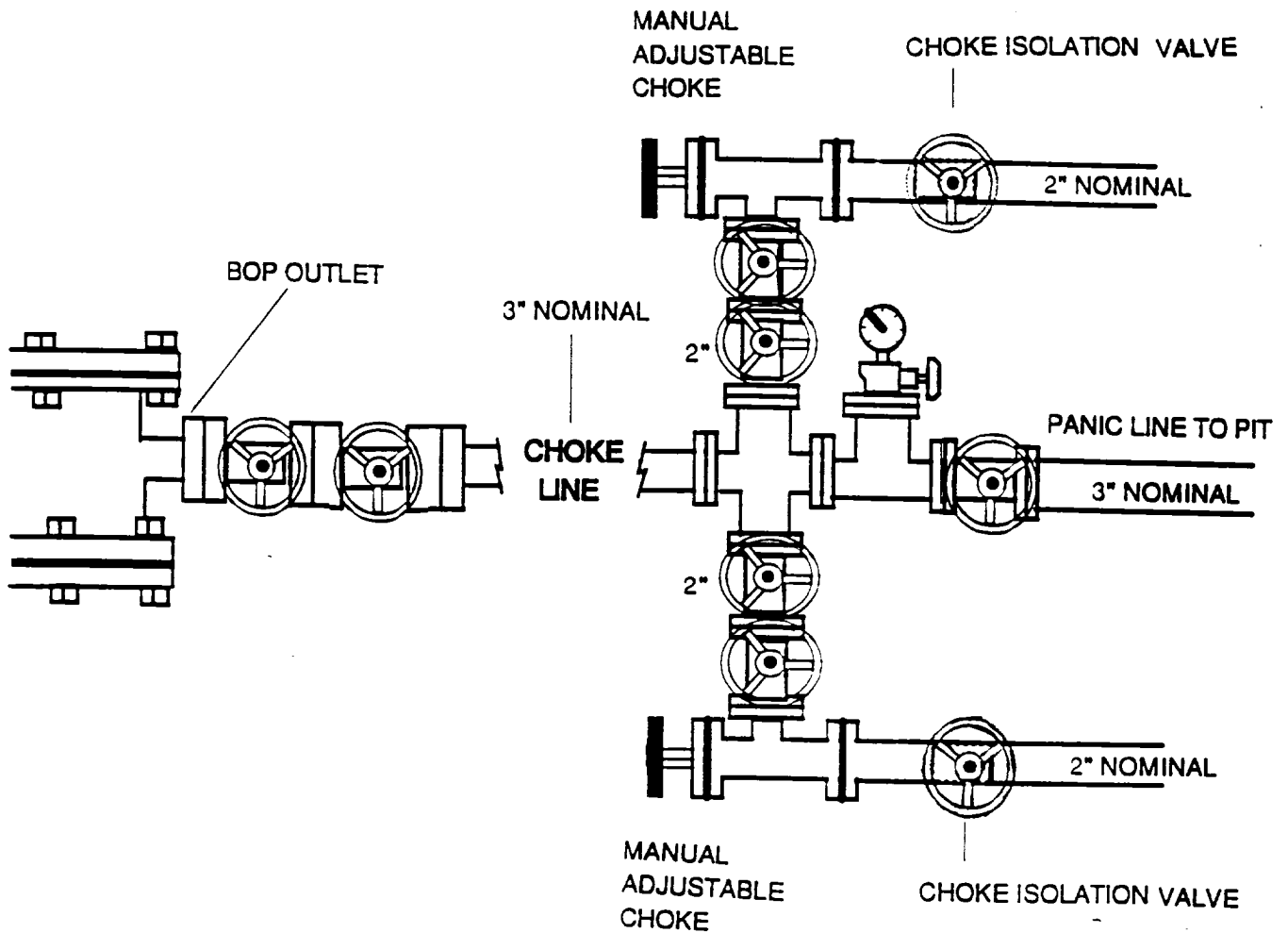
** Productive horizons will be protected by 4-1/2" production casing cemented to surface.

4. Pressure Control Equipment

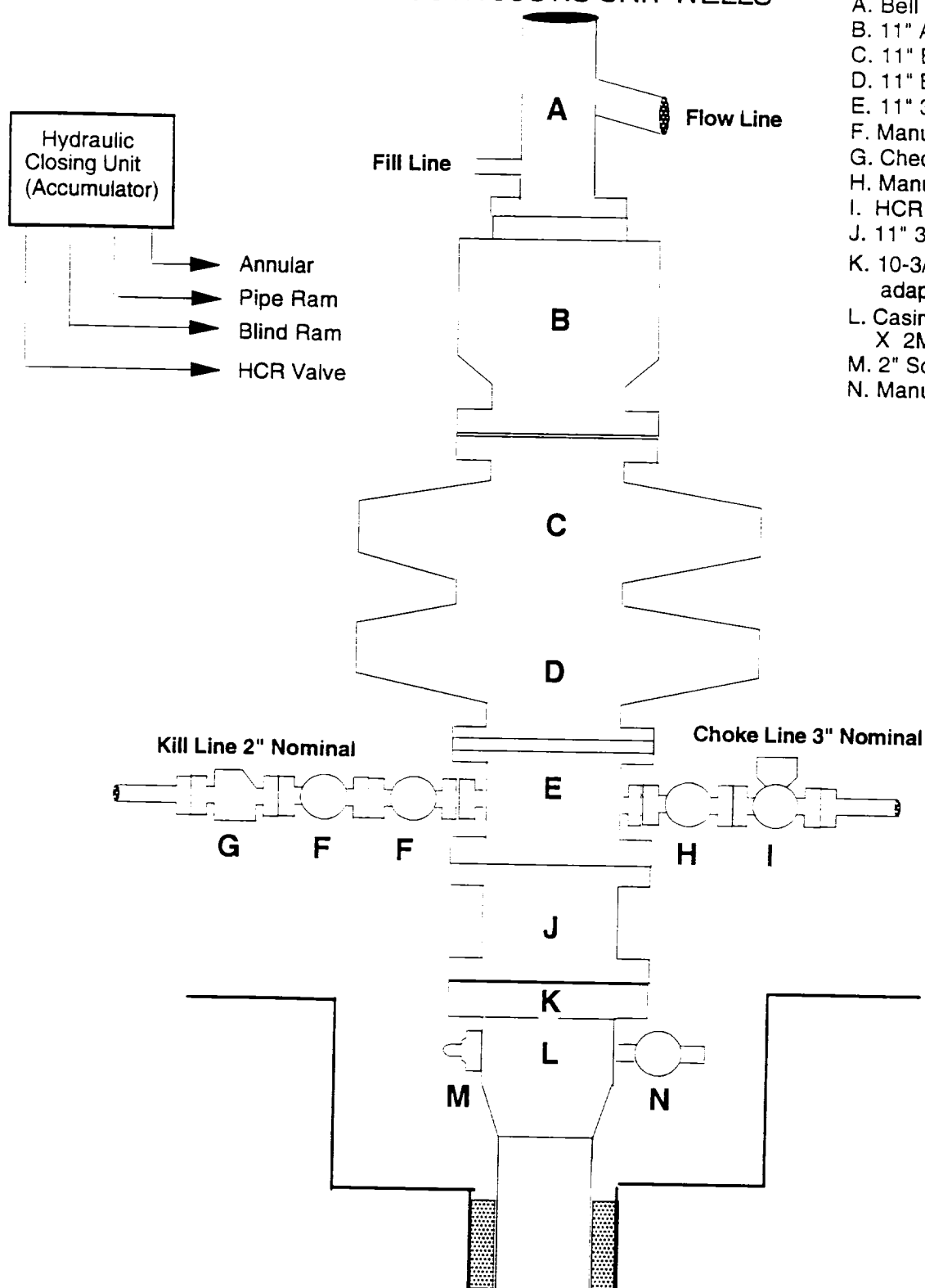
<u>Interval, TVD</u>	<u>Pressure Control Equipment</u>
0' - 1000'	No pressure control required
1000' - 6200'	11", 3M psi double ram preventer with 3M psi annular preventer.

Exhibits 1, 2, and 3 show the BOP stack arrangement, the choke manifold arrangements and the BOP specifications, respectively. The BOPE will be hydraulically tested per BLM requirements outlined by Onshore Oil and Gas Order No. 2. Pipe rams and blind rams will be functioned on each trip out of the hole. The annular preventer will be functioned once a week. All BOPE checks and tests will be witnessed by ARCO's representative and will be noted on the IADC daily drilling report. Accessories to BOPE will include an upper kelly cock, lower kelly cock, and floor safety valve all with pressure rating equivalent to the BOP stack.

EXHIBIT 2
3M psi Choke Manifold
ARCO Oil and Gas Company
South Justis Unit Wells



**EXHIBIT 1
BOP ARRANGEMENT
ARCO OIL & GAS CO.
SOUTH JUSTIS UNIT WELLS**



- A. Bell Nipple
- B. 11" Annular Preventer, 3M psi
- C. 11" BOP Pipe Rams, 3M psi
- D. 11" BOP Blind Rams, 3M psi
- E. 11" 3M psi Drilling Spool
- F. Manual Gate Valve 2-1/16"
- G. Check Valve 2-1/16"
- H. Manual Gate Valve 3-1/16"
- I. HCR Valve 3-1/16"
- J. 11" 3M psi Spacer Spool
- K. 10-3/4" Screw on X 11" 3M psi adaptor flange
- L. Casing Head 8-5/8" SOW X 2M psi Larkin-Type
- M. 2" Screw In Bull Plug
- N. Manual Ball Valve 2-1/16" 2M