Form 3160-3 (November 1983 (formerly 9-331C)

M. M. E. P. O. **UNITED STATES** 240

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

3D -025-32077 Form approved.

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

DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

1a. TYPE OF WORK							
PRILLIA DEEPEN: PLUG BACK				<u>-</u>			
b. TYPE OF WELL			7. UNIT AGREEMENT NAME South Justis Unit				
OIL X GAS WELL OTHER SINGLE X MULTIPLE				OR LEASE NAM			
WELL OTHER SINGLE X MULTIPLE ZONE ZONE				1 -	of Lease Nam 1 Justis Unit		
ABCO Oil and Gas Company				9. WELL N		. <u>C</u>	
3. ADDRESS OF OPERATOR				260			
P.O. Box 1610, N	Midland, Texas 7970)2 Phone, 915-688	-5670		AND POOL, OF		
4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.)							
At proposed Prod. zone Approximately the same				Justis Blinebry Tubb Drinkard 11. SEC., T., M., OR BLK. AND SURVEY OR AREA 25-T25S-R37E			
5. DISTANCE FROM PROJ	of Jal, New Mexico POSED LOCATION TO NEAR			Lea	ļ	NM	
PHOPERTY OR LEASE	LINE, FT	EST 16. NO. OF ACRE	S IN LEASE		OF ACRES AS	SIGNED	
(Also to nearest drig.	line, if any) 230'	5360		TO THIS WELL 40 20. ROTARY OR CABLE TOOLS		-0	
DHILLING, COMPLETED	POSED LOCATION TO NEAR	EST WELL, 19. PROPOSED DE	EPTH				
	THIS LEASE, FT. 920'	6,200'			Rotary		
1. ELEVATIONS (Show wh				2	2. APPROX. D	ATE WORK WILL STA	
3037' GI	R				Spud 11/	93	
	PRO	POSED CASING AND CEME	NTING PROGR	AM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DE		OHANTITY (DE CEMENT 2	
20"	13-3/8"	48.0#	40'		QUANTITY OF CEMENT ft 3		
12-1/4"	8-5/8"	24.0#	1000'		50 cu ft		
7-7/8"	4-1/2"				825 cu ft CIRCULATE		
Subject well		10.5# 200' MD (6200' TVD) <	6200'	3M pei	3,200 cı	Ift (tie back)	
1. Certified 2. Drilling P 3. Surface U Previously s 1. Archaeol 2. Prelimina 3. Unit Agre	is planned as a 62. Attachments are Location Plat lan with Attachme Jse Plan with Attaction Plat submitted by AOG logical Survey of Tary Project Report seement South Just	200' MD (6200' TVD) s as follows: nts 1-3 chments 3-9 C to BLM: he South Justis Wate South Justis Unit	straight well.	et	3,200 ct	be used from	
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United States any false, ficticious or fraudulent statements or representations as to any matter within its jurisdiction.

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

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

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			L	easc		Well No.
AFICO	OIL AND G	AS COMPANY		South	Lestis Unit "E	· 260
Unit Letter	Section	Township	Ř	ange		County
M	25	25 S	ļ	37 (- N. C.	
Actual Footage Loc	auon of Well:				NMPM NMPM	LEG
250	feet from the	South	line and	230	f f	
Ground level Elev.		ucing Formation	line and	00l	feet from	the West line Dedicated Acreage:
3037'	1	ebry-Tubb-Di	1 -	Justis		
		cated to the subject well			air also start to the	40 Acres
1. Обши	e tile acreage detti	cated to the subject well	by colored pencil	or nachure marks	on the plat below.	
2. If mor	e than one lease is	dedicated to the well, or	utline each and ide	entify the ownersh	ip thereof (both as to workir	ng interest and royalty).
3. If mor	e than one lease of	different ownership is d	ledicated to the we	ell, have the intere	st of all owners been consol	idated by communitization,
unitiza	ition, force-pooling Yes		eram in Merami eram in	of acceptidation		
If answer			wer is "yes" type o ws which have act		dated. (Use reverse side of	
this form	if neccessary					
No allow	able will be assign	ed to the well until all it	nterests have been	consolidated (by	communitization, unitization	, forced-pooling, or otherwise)
or until a	non-standard unit	eliminating such interes	st, has been approv	ved by the Divisio	n	
						OPERATOR CERTIFICATION
	ļ	1		1		I hereby certify that the information
ļ	ı			1		ontained herein in true and complete to the
	1			1		est of my knowledge and belief.
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	i			!		Less (1) Starroll
	I I			i t	P	rinted Name
<u></u>						Ken W. Gosnell
	!	į		1	Po	osition
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	1			İ	Ī	ompany
i	1			l		ARCO Oil & Gas
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						SURVEYOR CERTIFICATION
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+	. 1			!		hereby certify that the well location shown
	!					n this plat was plotted from field notes of
	1					ctual surveys made by me or under my upervison, and that the same is true and
						orrect to the best of my knowledge and
	1				Ь	elief.
	1			İ		Date Surveyed
4/4						•
	- Earl	R. Bruno		1		May 4, 1993 Signature & Seal of
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DRILLING PLAN

Attach to BLM Form 3160-3 ARCO Oil and Gas Company Well: South Justis Unit E-260 Section 25-T25S-R37E 250' FSL & 230' FWL Lea County, New Mexico

1. **Surface Geological Formation**

Ogallala Formation of late Tertiary age.

Estimated Tops of Geological Markers 2.

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

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

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

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

Pressure Control Equipment 4.

Interval, TVD

<u>Interval, TVD</u> 0' - 1000'	Pressure Control Equipment 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 OII and Gas Order No. 2. Pipe rams and blind rams will be functioned on each trip out of the hole. The annular preveneter 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.

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

5. **H2S Contingency Plan**

Exhibit "10" shows the H2S Contingency Plan as a guideline for all company and contractor personnel in the field who may be exposured to H2S. It explains the emergency procedure, the equipment requirement (i.e. H2S detector, resque equipment, etc.) and the proper evacuation procedure.

6. **Proposed Casing and Cementing Program**

	Hole <u>Size</u>	Interval, MD	Casing <u>Size</u>	Weight & <u>Grade</u>
Conductor	20"	0 - 40'	13-3/8"	48.0# H-40
Surface	12-1/4"	0 - 1000'	8-5/8"	24.0# J-55
Production	7-7/8"	1000'-6200'	4-1/2"	10.5# J-55

Cement Program: (Actual volumes will be based on caliper log when available)

Conductor - Cement to surface with redimix.

Surface - Cemented to surface with total of ± 825 cu ft as follows:

<u>Lead Slurry</u> - ±300 sks Pacesetter Lite 65/35/6 C/Poz/Gel + 2% CaCl2 + 1/4 pps Cello-Seal <u>Tail Slurry</u> - ±200 sks Class "C" + 2% CaCl2 + 1/4 pps Cello-Seal

Production - Cement to surface with total of ± 3200 cu ft as follows:

Option 1: If no loss circulation occurs or loss is controlled.

Lead Slurry - ±1175 sks Super C 44/20/20 C/Poz/CSE + 0.5% Thrifty Lite 1/4 pps Cello-Seal

Tail Slurry - ± 300 sks Cl "C" + 12 pps CSE + 1 pps WL-1P + 0.3% CF-2 + 1/4 pps Cello-Seal + 3 pps Hi-Seal

Option 2: If loss circulation is severe then a DV Tool will be set at ± 3250 '

Stage 1 - Lead Slurry - ±400 sks Pacesetter Lite 65/35/6 C/Poz/Gel 3% salt

Tail Slurry $-\pm 300$ sks Cl "H" + 8 pps CSE + 0.6% CF-14 + 0.35% Thrifty Lite

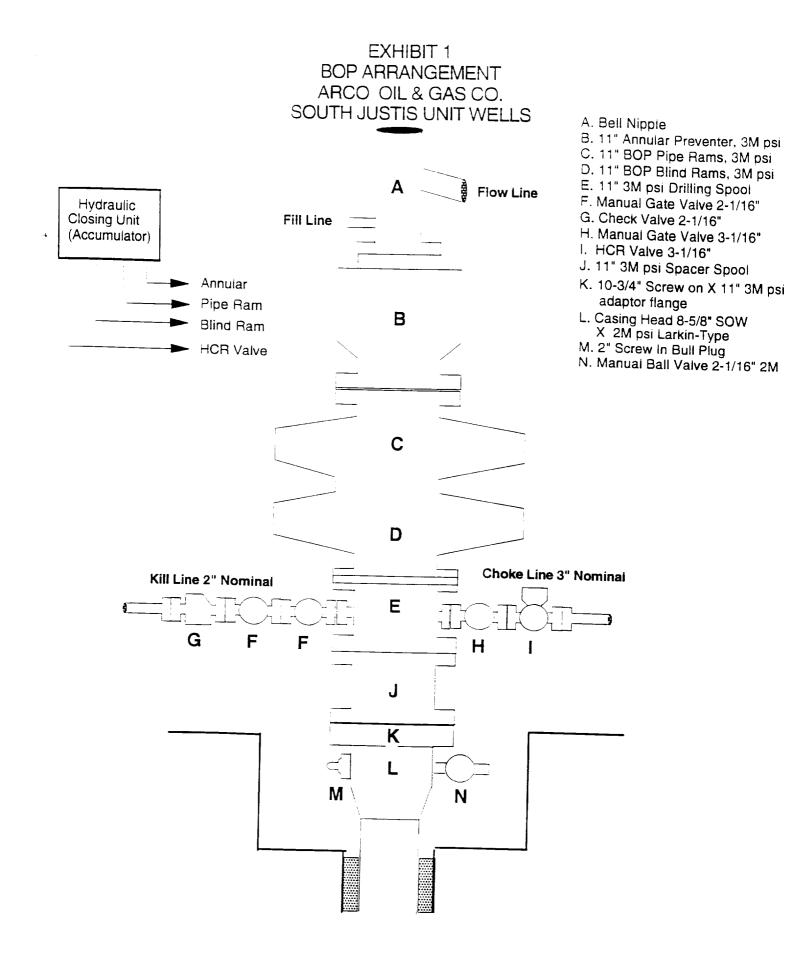
Stage 2 - Lead Slurry - ±900 sks Pacesetter Lite 65/35/6 C/Poz/Gel + 3% salt Tail Slurry - ±100 sks Cl "C" Neat

7. Mud Program

<u>Depth</u> 0 - 1000' 1000' - 4850'	Mud Type Spud Mud SBW	Weight <u>ppg</u> 8.4 - 8.9 +10.0	Funnel Viscosity 29-32 29-32	Water Loss NC
4850' - 6200'		_	-, 5-	NC
4030 - 0200	SWG	<u>+</u> 10.0	32-34	<15

8. **Auxiliary Equipment**

Upper Kelly Cock, Lower Kelly Cock, and Full Opening Stabbing Valve



9. Testing, Coring and Logging Program

- A. Drill Stem Tests None planned.
- B. Coring None planned.
- C. Logging No mud logging planned
- D. Electric Logs

Open Hole

Interval: TD - 4500' with GR-CAL to surface casing on one run

GR-Spectralog/Compensated z-Densilog/Sidewall Epithermal Neutron/Caliper

GR/Dual Laterolog/Micro Laterolog/Caliper

Cased Hole

Temperature Survey (if cement not circulated on Production Csg)

10. Anticipated Abnormal Temperature, Pressure, or Hazards

Possible lost circulation at ± 975 ' in anhydrite section. Seepage and lost circulation is expected starting in the Queen Formation and continuing through the Glorietta (3000'-5000').

11. Anticipated Starting Date and Duration of Operations

Pending favorable weather and permit approval, construction work on this location is planned to begin in September, 1993. Construction work will require 4 days, move-in and rig up rotary tools, 1 day, drill and complete, 21 days. It is planned to spud the well in November, 1993.