Form 3160-3 (July 1992)		UNITED STAT				1004-0136 ruary 28, 1995	
	BURE	AU OF LAND MAN	AGEMENT		5. LEASE DESIGNATION / LC-032579-E	ND SERIAL NO.	
AF 1a. TYPE OF WORK	PLICATION F	OR PERMIT T	O DRILL OR DE	EPEN	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME	
b. TYPE OF WELL OIL WELL 2. NAME OF OPERATOR	R	DEEPEN	7. UNIT AGREEMENT NAME SOUTH JUSTIS UNIT 8. FARM OR LEASE NAME, WELL NO. SOUTH JUSTIS UNIT 290				
ARCO Permi 3. ADDRESS AND TELE					9. API WELL NO.	UNIT 29	
P.0.BOX 16	(Report location clearly and		915 (requirements.*)	588-5672	10. FIELD AND POOL, OR JUSTIS BLBR		
	330 FEL (UNIT	LETTER P)			11. SEC., T., R., M., OR BI AND SURVEY OR AREA	к.	
14. DISTANCE IN MILES	AND DIRECTION FROM NEAL	LEST TOWN OR POST OFFICE	•		25-25S-37E		
4.5 MILES 15. DISTANCE FROM PR	EAST FROM JAL				12. COUNTY OR PARISH	13. STATE NM	
LOCATION TO NEAR PROPERTY OF LEAS	REST SE LINE, FT. g. unit line, if any) 1650		16. NO. OF ACRES IN LEASE 5360	17. NO. O TO TH	0. OF ACRES ASSIGNED THIS WELL 40		
TO NEAREST WELL, OR APPLIED FOR, OF	DRILLING COMPLETED	i00	19. PROPOSED DEPTH 6250	1	RY OR CABLE TOOLS		
21. ELEVATIONS (Show 3055 GR 23.	whether DF,RT, GR, etc.)				22. APPROX. DATE WOR MAY 95	RK WILL START*	
SIZE OF HOLE	GRADE, SIZE OF CA		G AND CEMENTING PROGRAM				
12 1/4	8 5/8	24	ot setting depth 1000	825	QUANTITY OF CEN	IENT	
<u> </u>	5 1/2	14	6250	3200	tieback		
2.PRELIMIN 3.UNIT AGE	LOGICAL SURVEY NARY PROJECT RE	NGENCY PLAN OPER. OGRID N	0				
		PROPERTY NO.	140	nak Ç			
		POOL CODE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second second			
		APINO. 36	125 329:24				
ABOVE SPACE DESt epen directionally, give	CRIBE PROPOSED PROGRA pertinent data on subsurface	AM: If proposal is to deep locations and measured and t	en, give data on present productiv rue vertical depths. Give blowout	e zone and propos preventer program	ed new productive zone. If p 1, if any.	roposal is to drill or	
SIGNED_Ker	19W Losm	ell				.05	
	ral or State office use)				APPROVAL SUBJEC	7 70	
PERMIT NO	s not warrant or certify that the app	licent holds less or equitable side	APPROVAL DATE		GENERAL REQUIRE SPECIAL STIPULAT		

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY ______ DATE ______ DATE ______ DATE ______ 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.

District I PO Box 1980, Hobbs, NM \$8241-1980 District [] PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Azter, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

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State of New Mexico Energy, Minerais & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3D-025-32936		3	<pre>'Pool Code 'Pool Name 34220 Justis Blinebry-Tubb-Drinkard</pre>								
* Property Code 001496				' Property Name					' Well Number		
'OGRID No.				outh Just						298	
000990			A	RCO Perm	Operator						' Elevation
						· · · · · · · · · · · · · · · · · · ·				30	55'
UL or iot no.	Section	Township	P		Junace	Location					
P	25	255	Range	Louida	Feet from the	North/South line	Fe	at from the	East/West	boe .	County
		233	37E		990	South		330	East		Lea
UL or lot no.	i		100	· · · · · · · · · · · · · · · · · · ·		f Different Fro	om	Surface			
CL 57 106 20.	Section	Towasaip	Range	Loi ida	Feet from the	North/South line	Fa	ct from the	East/West	üne	Cogaty
¹² Dedicated Acr 40	es "Joint	or infill 14	Consolidatio	a Code " O	rder No.		1			<u> </u>	
	VABLE		ASSICNE								
		OR A	NON-ST	ANDARD	S COMPLET!	ON UNTIL ALL EEN APPROVED	INT	ERESTS H	AVE BEE	N CO	NSOLIDATED
16							- B I				
							25				TIFICATION
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								Ken	WL	los	1000
								Signature			<u>~</u>
								Ken Printed Name	W. Go	snell	
								Age			
								Tule			
									ch 3,	1995	
							 	Date			
											IFICATION
								I hereby certif	y that the we	il location	shown on this plat I surveys made by
								The or under n	ny supervisio	n, and the	i surveys made by I the same is ince
								and correct to		-	
	1							Feb Date of Surve	ruary 20	, 1995	j
								Signature and		asional Si	HEVEYCE:
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				 				Certificate Nu	mber		

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DRILLING PLAN

Attach to BLM Form 3160-3 ARCO Permian Well: South Justis Unit #298 990' FSL & 330' FEL Section 25-T25S-R37E Lea County, New Mexico

1. Surface Geological Formation

Ogallala Formation of late Tertiary age.

2. Estimated Tops of Geological Markers

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

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

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. **Productive horizons will be protected by 5-1/2" production casing cemented to surface.

4. **Pressure Control Equipment**

	Pressure Control Equipment No pressure control required
1000' - 6250'	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.

5. H₂S Contingency Plan

Exhibit "10" shows the H_2S Contingency Plan as a guideline for all company and contractor personnel in the field who may be exposed to H_2S . It explains the emergency procedure, the equipment requirement (i.e. H_2S detector, resque equipment, etc.) and the proper evacuation procedure.

6. **Proposed Casing and Cementing Program**

	Hole <u>Size</u>	Interval, M.D.	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'	5-1/2"	14.0# J-55

<u>Cement Program</u>: (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:
		Lead Slurry - ± 350 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:
Lead Slurry -
±1175 sks Super C 44/20/20 C/Poz/CSE + 0.5% Thrifty Lite 1/4
pps Cello-SealTail 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

7. Mug Program

Danth		Weight	Funnel	Water
<u>Depth</u> 0-1000'	<u>Mud Type</u>	ppg	<u>Viscosity</u>	Loss
1000'-6250'	Spud Mud SBW	8.4-8.9	29-32	NC
		+10.0	29-32	NC

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 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 May, 1995. 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 May, 1995.

