SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires February 28, 1995

BUREAU O	5. LEASE DESIGNATION AND SERIAL NO. SF - 078201					
PLICATION FOR	6. IF INDIAN, ALOTTEE OR TRIBE NAME					
a TYPE OF WORK DRILL X - DEEPEN						
	OTHER	SINGLE MULTII	PLE X	8 FARM OR LEASE NAME, WELL NO. FLORANCE O 20M		
WELL LIS	MPANV	ZONE ZONE		PLORANCE O 20M		
BOX 3092				9. API WELL NO.		
NO.		.4491 EXP:	(2) L	30-045-3057		
СТ	FAX: 281.366 EMAIL:corleym	0.0700 nl@bp.com		10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA/BLANCO MESAVERI		
location clearly and in accordance w	vith any State requirements.*)	WAN 2001		11. SEC.,T.,R.,M., OR BLK.		
. SWNE SEC 24 T30N	R9W		1	AND SURVEY OR AREA SECTION 24 T30N R9W		
NESE SEC 24 T30N R	9W	6 000	୍ଦ୍ର	MERIDIAN NMP		
DIRECTION FROM THE NEARES EC, NM	T TOWN OR POST OFFICE		S.	12. COUNTY OR PARISH SAN JUAN 13. STATE NM		
ED*	16. NO. ACRES 320.00	S IN LEASE	17. NO. OF TO THIS W 320.00	ACRES ASSIGNED 348.6 V		
ED LOCATION* G, COMPLETED, ASE FT.	I		20. ROTAR	Y OR CABLE TOOLS Y		
r DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START* 04/17/2001		
	PROPOSED CASING	AND CEMENTING PROGRAM	1	04/17/2001		
GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT		
		-				
luce the well for approxin duction downhole. Applic ate parties for approval a nd downhole comminglin	nately 30 days to estali cation for downhole co ifter production has be g with the Blanco Mes	ish production rate, add the Bl ommingling authority (NMOC een established in the Basin Da	anco Mesa D order R- ikota Pool a	11363) will be and		
Augstragnist (flag to well), i.e.						
gw oursern: which is	ruiĝa listario or		•	orania (Mariantan) Propinsi Nasarahan		
Claim to 43 GFR 318	5.4.			7 () () () () () () () () () (
pertinent data on subsurface	locations and measured	en, give data on present productiv and true vertical depths. Give blov RIFIED BY THE BLM WELL	wout prevent			
	GAS WELL OCO PRODUCTION CO BOX 3092 JSTON , TX NO. CT location clearly and in accordance we SWNE SEC 24 T30N NESE SEC 24 T30N RESE SEC 24 T30N RESE SEC 24 T30N RESE SEC 24 T30N RESE SEC 24 T30N TO FROM THE NEARES CC, NM TO FROM THE NEARES TO FROM THE SUBJECT TO FROM THE SUBT	GAS WELL OTHER DOCO PRODUCTION COMPANY BOX 3092 USTON , TX 77079 NO. PHONE 281.366 FAX: 281.366 FAX: 281.366 CT EMAIL: corleyn location clearly and in accordance with any State requirements.*) SWNE SEC 24 T30N R9W NESE SEC 24 T30N R9W DIRECTION FROM THE NEAREST TOWN OR POST OFFICE CC, NM DO LOCATION* ASE FT. 16. NO. ACRE: 320.00 TOP, RT, GR, etc.) S803 GL PROPOSED CASING GRADE, SIZE OF CASING WEIGHT PER FOOT tted 12-07-2000 as Florance O #20E. Please chemission to drill the subject well to a total depth uce the well for approximately 30 days to estal duction downhole. Application for downhole cate parties for approval after production has be approved.	GAS WELL OTHER SINGLE MULTING PROPOSED CASING AND CEMENTING PROGRAM GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH tted 12-07-2000 as Florance O #20E. Please change well number to 20M. Am mission to drill the subject well to a total depth of approximately 7185', compluce the well for approximately 30 days to established in the Basin Dad downhole commingling with the Blanco Mesaverde. In support of our appl documents (1. doc and 7.pdf files).	GAS WELL ZONE COO PRODUCTION COMPANY BOX 3092 STON , TX 77079 NO. PHONE 281.366.4491 FAX: 281.366.4700 CT EMAIL:corleyml@bp.com MAR 2001 SWNE SEC 24 T30N R9W NESE SEC 24 T		

UNITED STATES

Form 3160-5 FORM APPROVED UNITED STATES OMB NO. 1004-0135 (August 1999) DEPARTMENT OF THE INTERIOR Expires: November 30, 2000 BUREAU OF LAND MANAGEMENT 5. Lease Serial No. SUNDRY NOTICES AND REPORTS ON WELLS SF - 078201 Do not use this form for proposals to drill or to referrer an abandoned well. Use form 3160-3 (APD) for such proposals 2001 If Indian, Allottee or Tribe Name If Unit or CA/Agreement Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on reverse side. 1. Type of Well 8. Well Name and No. FLORANCE O 20M 2. Name of Operator 9. API Well No. AMOCO PRODUCTION COMPANY 3b. Phone No.(include area code) P.O. BOX 3092 3a. Address 10. Field and Pool, or Exploratory Area 281.366.4491 HOUSTON, TX 77079 BASIN DAKOTA/BLANCO MESAVERDE (Footage, Sec., T., R., M., or Survey Description) 4. Location of Well 11. County or Parish, and State SAN JUAN NM 1880FEL 2560FNL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION ☐ Water Shut-Off Deepen Deepen Production (Start/Resume) ☐ Acidize Notice of Intent ☐ Fracture Treat ☐ Reclamation Well Integrity

	Subsequent Report Final Abandonment Notice	Casing Repair Change Plans Convert to Injection	New Construction Plug and Abandon Plug Back	Recomplete Temporarily Abandon Water Disposal	⊠ _{APDCH}
13.	Describe Proposed or Completed Operation If the proposal is to deepen directionally or Attach the Bond under which the work will following completion of the involved opera	recomplete horizontaily, give subsurfar I be performed or provide the Bond No trions. If the operation results in a mul	ace locations and measured and trops on file with BLM/BIA. Require tiple completion or recompletion is	ue vertical depths of all pertinent marker and subsequent reports shall be files within	n 30 days e filed once

determined that the site is ready for final inspection.)

APD filed electronically on 2/19/2001. Both the C-102 and 3160-3 indicated acreage assignment for the subject well as 320 acres. Attached please find corrected C-102 indicating the correct acreage assignment of 348.62 acres.

testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has

Electronic Submission #2781 verified by the BLM Well Information System for A Committed to AFMSS for processing by Maurice Johnson on ©2/27/2001 Name (Printed/Typed) MARY CORLEY	MOCO P	PRODUCTION COMPANY Sent to the Farmington Field Office SUBMITTING CONTACT
Signature	Date	02/27/2001 ACCEPTED FOR RECOR
THIS SPACE FOR FEDER	AL OR	STATE OFFICE USE
Approved By Conditions of approval, if any, are attached. Approval of this notice does not warr	· ant or	Title FARMINGTON FIELD UFFICE
gartify that the applicant holds legal or equitable title to those rights in the subject	lease	Office

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

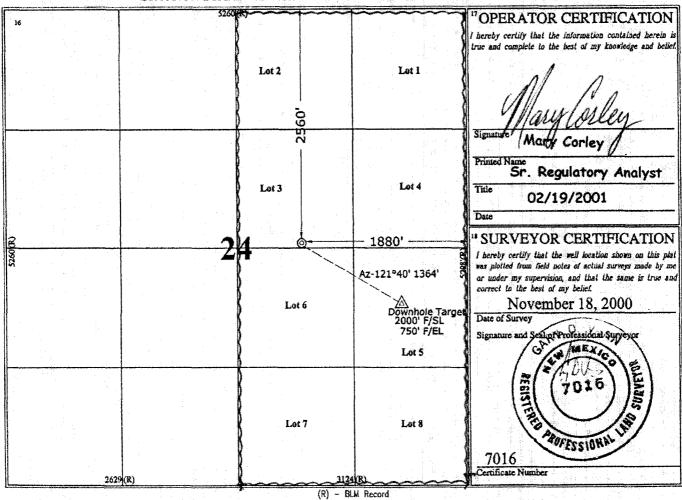
WELL LOCATION AND ACREAGE DEDICATION PLAT

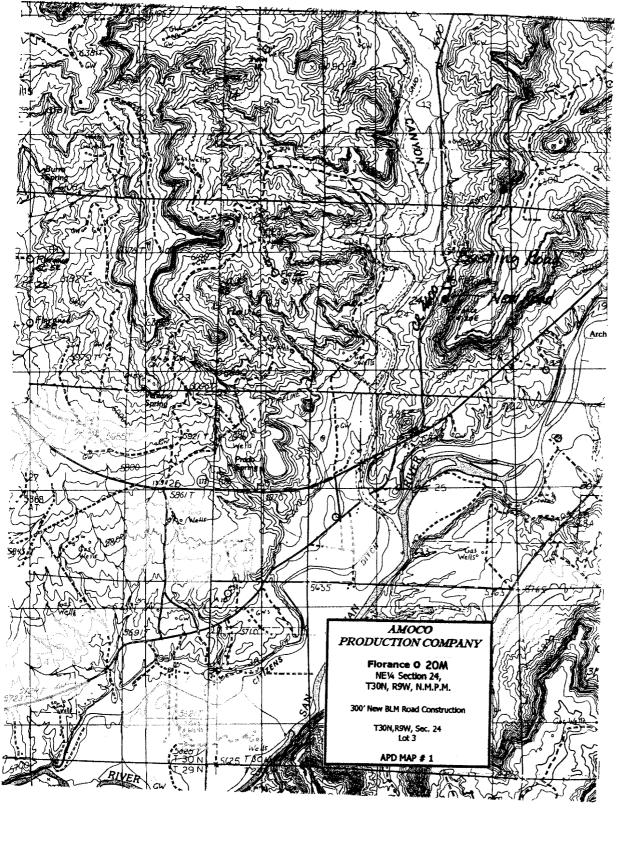
30045-305	70 71599 & 72319	Basin	Pool Name Dakota & Blanco Me	Mesaverde	
Property Code OOO551	Florance O	³ Property Name		* Well Number # 20M	
1 OGRID No.		Operator Name		Elevation 5002	
000778	AMOCO PRODUC	TION COMPANY	Y and the second	5803 —	

Surface Location

UL or Lor No. G (Lot 3)	Section 24	Township 30 N	Range 9 W	Lot kin	Peet from the 2560	North/South line NORTH	Feet from the 1880	East/West line EAST	SAN JUAN
<u> </u>		**************************************	" Bott	om Hole	Location If	Different From	n Surface		
UL or lot no. I (Lot 5)	Section 24	Township 30 N	Range 9 W	Lot Ida	Feet from the 2000	North/South line SOUTH	Peet from the 750	East/West line EAST	County SAN JUAN
Dedicated Acres 348.62	1 Join	u or Infili	Consolidatio	n Code is	Order No.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





CONTROL HOLD ANNIN FLARE PIT

1150 FROM

MANIFOLDI NOTE:
1 CHOIR ASSEMBLY VEHICLA FOR ILLUSTRATION
ONY, SHOULD BE PORIZONTAL ON HIG. ANCHOR
ALL LIMES SEGURELY EYENY ZO AND WITHIN 5'OF
BHO OF LIME SEGURELY EYENY ZO AND WITHIN 5'OF
BHO OF LIMES AND VALVES.
TO PROVIDING ALL UNES AND VALVES. CHAINED AND TURN BUCKLED TO 3500# CEMENT BLOCK MINIMUM BLOW-OUT PREVENTER REQUIREMENTS 7/2" OR 11" (NOMINAL) 3,000 PSI W.P. Typical Dakota /Mesaverde Air/Mud (SRBU) MESS AND FOLKERING MANNEY THE FORK - REMOTE OPERATED
CHOKE ON
MANUAL ADJUSTABLE
(DISTRICT DRILING
SUPERVISOR'S CHORCE) MANUAL ADMISTABLE NOTE:
1. ALL UNMARKED VALVES TO BE FULL-OPENING
GATE OR PLUG VALVES, METAL TO METAL SEAL,
3000 PSIW.P. NOTE:

ORILLING CONTACTOR TO PROVOE
DOBLE STOD ADATES AND
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WILLE UP STACE TO ANOCO
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AMOCO PRODUCTION COMPANY **DRILLING AND COMPLETION PROGRAM**

Prospect Name: Florance O

Lease: FLORANCE O

County: San Juan

State: New Mexico

Well No: 20M Surface Location: 24-30N-9W, 2560 FNL,1880 FEL **Bottom Hole Loc.:** 24-30N-9W, 2000 FSL, 750 FEL

Field: Blanco Mesaverde/Basin Dakota

Date: February 19, 2001

	oruary 19,		·····					
OBJECTIVE: Drill 400' be	low the base	of the Greenh	nom Limestone, set 4" l	iner across Dakota	ı, Stimulate LS	, CH, MF, P	L and DK inter	vals
METHOD OF DRILLING				APPROXIMATE DEPTHS OF GEOLOGICAL MARKER				
TYPE OF TOOLS			DRILLING	Estimated			Estimated	
		- TD	DICIELITO	MARKER			JBSEA	TVD
Rotary					`	30		1
	OG PROG			Ojo Alamo			4454	1363
TYPE	D	EPTH INVE	RAL	Fruitland Coa			3737	2080
OPEN HOLE		5 . 5		Pictured Cliff	-		3292	2525
GR-Induction		D to 5 ½" sl		Lewis Shale Cliff House	# #		3188	2629
Density/Neutron		TD to 5 ½" shoe			# #		1554	4263
Sonic	TD to 5 ½" shoe			Menefee Sha			1469	4348
CASED HOLE	Τ.	DT DDTD	-7 5/8" shoe	Point Lookou	ıt #		1053	4764
GR-CCL-TDT				Mancos			943	4874
CDI		R-CCL - PE		Greenhorn			-912	6729
CBL	10	op 014 - 50	0' above 7 5/8 "shoe				-968	6785
REMARKS:	/ !4	0 -4:4:	\	Two Wells	#		-1020	6837
 Please report any flares 	(magnitude	e & duration).	Dakota MB	_ # *		-1140	6957
				Burro Canyo	n "		-1280	7097
				Morrison			-1330	7147
				TOTAL DEP			-1368	7185
				# Probable c			* Possible	
	PECIAL T	ESTS		DRILL CU		MPLES		LING TIME
TYPE				FREQUEN	CY DEPT	гн	FREQUEN	NCY DEPTH
None				10 feet	Produc	tion hole	Geolograph	n 0-TD
REMARKS:								
MUD PROGRAM:								
	1 .						1	
Approx. Interval		Type Mud		ıl Vis, sec/qı	W/L cc	's/30 mir	other :	Specification
0 - 120-135	•	Spud	8.6-9.2					
120-135 - 2030	(1)(2)	Water/LSN	ND 8.6-9.2					
2030 - 6785								
2030 - 6785	Gas/Air/Mi	ist Volume suffi	cient to mainta	in a stable	and clear	n wellbore		
6785 7185		Gas/Air/Mi LSND	ist Volume suffi 8.6-9.2	cient to mainta	in a stable	and clear	n wellbore	
6785 7185				cient to mainta	in a stable	and clear	n wellbore	
6785 7185 REMARKS:		LSND	8.6-9.2					uencv
6785 7185 REMARKS: (1) The hole will require	e sweeps to	LSND o keep unl	8.6-9.2 oaded while fresh	water drilling.	Let hole co	onditions		uency.
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co	sweeps to	LSND o keep unl mize lost o	8.6-9.2 oaded while fresh circulation, air volu	water drilling. me to maintair	Let hole co	onditions (dictate frequ	
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co	e sweeps to cal to mining Normally, tube	LSND o keep unl mize lost o ular goods all	8.6-9.2 oaded while fresh circulation, air voluocation letter specifies.	water drilling. me to maintair asing sizes to be u	Let hole con hole stabi	onditions (ility.	dictate freque	tract)
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co	e sweeps to pal to mining Normally, tube	LSND o keep unl mize lost o ular goods all	8.6-9.2 oaded while fresh circulation, air volu	water drilling. me to maintair	Let hole co	onditions (dictate freque	
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co CASING PROGRAM: (Casing String	e sweeps to cal to mining Normally, tube	LSND o keep unlimize lost oular goods allo	8.6-9.2 oaded while fresh sirculation, air voluocation letter specifies of Casing Size	water drilling. me to maintair asing sizes to be u Grade	Let hole con hole stabi	onditions of lity. es will be go	dictate frequenced by Contact Landi	tract)
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co CASING PROGRAM: (Casing String Surface/Conductor	e sweeps to pal to mining Normally, tube	LSND o keep unlimize lost oular goods alled 120-135	8.6-9.2 oaded while fresh sirculation, air voluocation letter specifies of Casing Size	water drilling. me to maintain asing sizes to be u Grade J-55 ST&C	Let hole con hole stabilised. Hole size Weight 40.5#	onditions of the conditions of	dictate frequenced by Contact Landi	tract)
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co CASING PROGRAM: (Casing String	e sweeps to pal to mining Normally, tube	c keep unlimize lost of ular goods allied	8.6-9.2 oaded while fresh sirculation, air voluocation letter specifies of Casing Size 10 3/4" 7 5/8"	water drilling. me to maintain casing sizes to be u Grade J-55 ST&C K-55 LT&C	Let hole con hole stabilised. Hole size Weight 40.5#	onditions of the second	dictate frequenced by Contact Landi 75" 1 75" 1,2	tract)
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co CASING PROGRAM: (Casing String Surface/Conductor Intermediate 1 Intermediate 2	e sweeps to pal to mining Normally, tube	c keep unlimize lost of ular goods allied 120-135 2030 6785	oaded while fresh sirculation, air voluocation letter specifies of Casing Size 10 3/4" 7 5/8" 5 ½"	water drilling. me to maintain casing sizes to be u Grade J-55 ST&C K-55 LT&C K-55 LT&C	Let hole con hole stabilised. Hole size Weight 40.5# 26.4# 15.5#	onditions of the property of t	verned by Coni ze Landi 75" 1.2 75" 4	tract)
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co CASING PROGRAM: (Casing String Surface/Conductor Intermediate 1	e sweeps to pal to mining Normally, tube	c keep unlimize lost of ular goods allied	oaded while fresh sirculation, air voluocation letter specifies of Casing Size 10 3/4" 7 5/8" 5 ½"	water drilling. me to maintain casing sizes to be u Grade J-55 ST&C K-55 LT&C	Let hole con hole stabilised. Hole size Weight 40.5#	onditions of the property of t	dictate frequenced by Contact Landi 75" 1 75" 1,2	tract)
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co CASING PROGRAM: (Casing String Surface/Conductor Intermediate 1 Intermediate 2	e sweeps to pal to mining Normally, tube	c keep unlimize lost of ular goods allied 120-135 2030 6785	oaded while fresh sirculation, air voluocation letter specifies of Casing Size 10 3/4" 7 5/8" 5 ½"	water drilling. me to maintain casing sizes to be u Grade J-55 ST&C K-55 LT&C K-55 LT&C	Let hole con hole stabilised. Hole size Weight 40.5# 26.4# 15.5#	onditions of the property of t	verned by Coni ze Landi 75" 1.2 75" 4	tract)
6785 7185 REMARKS: (1) The hole will require (2) Top set Fruitland Co CASING PROGRAM: (Casing String Surface/Conductor Intermediate 1 Intermediate 2 Production (liner) REMARKS:	e sweeps to coal to minin Normally, tube Estimate Depth	c keep unlimize lost of ular goods allied 120-135 2030 6785	oaded while fresh sirculation, air voluocation letter specifies of Casing Size 10 3/4" 7 5/8" 5 ½"	water drilling. me to maintair casing sizes to be u Grade J-55 ST&C K-55 LT&C K-55 LT&C K-55 LT&C K-55 H 511	Let hole con hole stabi sed. Hole size Weight 40.5# 26.4# 15.5# 11#	onditions of litty. es will be go Hole Si 14. 9.8 6. 4.	verned by Conize Landi 75" 1.2 75" 4 75" 3	tract)
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	Cementing Progra	m: Florance C	20M	
	Surface	Intermediate	12	Liner
Excess %, Bit	100%	80	50	10
Excess %, Caliper	NA	NA	NA	30
BHST (est deg. F)	60	120	150	160
Pipe Movement	NA	Rotate/Reciprocate	Rotate/Reciprocate	as per Liner Co.
Rate, Max (bpm)	7	4	4	2
Rate Recommended (bpm)	6	4	3	2
Pressure, Max (psi)	200	2000	2000	2000
Shoe Joint	40	80	80	40
Batch Mix	NA	NA	NA	NA
Circulating prior cmtng (hr)	0.5	1.5	2.5	2
Time Between Stages, (hr)	NA	NA	NA	NA
Special Instructions	1,6,7	1,6,8	1,6,9	2,3,4,6

- 1. Do not wash pumps and lines.
- 2. Wash pumps and lines.
- 3. Reverse out
- 4. Run Blend Test on Cement
- 5. Record Rate, Pressure, and Density on 3.5" disk
- 6. Confirm densitometer with pressurized mud scales
- 7. 1" cement to surface if cement is not circulated.
- 8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Notes:

- *Do not wash up on top of plug. Wash lines before displacing liner cement job to minmize drillout.
- ** After cement set time the liner top will be drilled out and liner circulated clean with treated water.
 *** Run TMD cased hole logs to identify pay; Perforating and CH logs can be run rigless.

Surface:				
Preflush	20	bbl. FreshWater		
Slurry 1	120sx	Class G Cement		139cuft
TOC@Surface	+ 2	2% CaCl2 (accelerator)		
	0.2	5 #/sk Cellophane Flake (I	lost circulation additive)	0.5563 cuft/ft OH
		% D46 antifoam		100% excess
Slurry Properties:	Density	Yield	Water	
	(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1	15.8	1.16	4.95	
Casing Equipment:	10-3/4", 8R, ST&C			
	1 Guide Shoe			
	1 Top Wooden Plug	g		
	1 Autofill insert float	valve		
	4 Centralizers			
	1 Stop Ring			
	1 Thread Lock Com	pound		

Cementing Program: Florance O 20M

		Cementing P	rogram	. Florance	O ZUIVI			
Intermediate:								
	Fresh Water		20 bbl	fresh water				
	Lead		1	97sx Class "G" Cen	nent	572 cuft		
	Slurry 1			+ 3% D79 extend	er			
	TOC@Surface			+ 2% S1 Calcium	Chloride			
				+1/4 #/sk. Celloph	iane Flake			
				+ 0.1% D46 antifo				
	Tail		1	52sx 50/50 Class "0	6"/Poz	193 cuft		
	Slurry 2			+ 2% gel (extende	er)			
		500ft fill		0.1% D46 antifoa	m	0.2148 cuft/ft OH		
				+1/4 #/sk. Celloph	nane Flake	0.2338 cuft/ft csg ann		
				+ 2% CaCl2 (acce	elerator)	80 % excess		
Slurry Properties:		Density		Yield	Water			
		(lb/gal)		(ft3/sk)	(gal/sk)			
Slurry 1		11.4		2.9	17.77			
Slurry 2		13.5		1.27	5.72			
Casing Equipment:		7-5/8", 8R, ST&	ιC					
		1 Float Shoe (au	utofill with mi	nimal LCM in mud)				
		1 Float Collar (autofill with minimal LCM in mud)						
		1 Stop Ring						
		9 Centralizers (d	one in middle	e of first joint, then ev	very third collar)			
		2 Fluidmaster va	ane centalize	ers @ base of Ojo				
		8 Centalizers or	ne every 4th	joint from Ojo to bas	e of surface casi	ing		
		1 Top Rubber P	lug					
		1 Thread Lock (Compound					
nt 2:								
iit 2.	Fresh Water		10 bbl	CW100				
	Lead		4	54LiteCrete D961 / I	D124 / D154	971 cuft		
	Slurry 1			+ 0.03 gps D47 a	ntifoam			
	TOC@Surface			+ 0.5% D112 fluid				
				+ 0.11% D65 TIC				
	Tail			80sx 50/50 Class "C		115 cuft		
	Slurry 2			+ 5% D20 gel (ex		+ 5 #/sk D24 gilsonite		
	Sidify 2	500ft fill		+ 0.1% D46 antifo	•	+ 0.15% D65 TIC		
		5001t IIII						
				+ 1/4 #/sk. Cellop		+ 0.1% D800 retarder		
				+ 0.25% D167 Fi	uid Loss			
_						0.1521 cuft/ft OH		
Slurry Properties:		Density		Yield	Water	50% excess		
		(lb/gal)		(ft3/sk)	(gal/sk)	0.0999 cuft/ft csg ann		
Slurry 1		9.5		2.14	6.38			
Slurry 2		13		1.44	6.5			
Casing Equipment:		5-1/2", 8R, ST8	kC					
		1 Float Shoe (au	utofill with m	inimal LCM in mud)				
		1 Float Collar (a	utofill with m	inimal LCM in mud)				
		1 Stop Ring		·				
		35 Centralizers	(every third i	oint				
		1 Top Rubber P						
		p	3					

1 Thread Lock Compound