UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work DRILL	5. Lease Number SF-080776-A
		Unit Reporting Number
lb.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name
3.	Address & Phone No. of Operator PO Box 4289, Farmington, 188742CEVED OIL CON. DIV	8. Farm or Lease Name Florance A 9. Well Number
	(505) 326-9700 DIST. 3	#1B
4.	Location of Well 1950'FNL, 2300'FEL	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ^o 47.1, Longitude 107 ^o 50.1	G Sec.25, T-30-N, R-10-1 API # 30-045-3032)
14.	Distance in Miles from Nearest Town 6 miles from Blanco	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lease Line	
16.	Acres in Lease	17. Acres Assigned to Well 315.68 N/2
18.	Distance from Proposed Location to Nearest Well, Drig, Compl, or	Applied for on this Lease
19.	Proposed Depth 5290' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant te 43 CFR 3165.4.	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6047' GL	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"."
24.	Authorized by: Regulatory/Compliance Supervisor	8-1-00 Date
PERM	IIT NO. APPROVAL DA	NTE
	OVED BY MT TITLE	DATE 12-5-00

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 32 70 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 30 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 30 OLCON DV Po Box 4289, Farmington, NM 87499 (505) 30 OLCON DV Po Balanco Mesaverde Land 400 Manual County and State San Juan Co, NM CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Type of Action X Notice of Intent Abandonment X Change of Plans New Construction New Construction New Construction New Construction New Construction Other - Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject well. Revisions: Mod Program: Interval: Interval		Sundry Not	tices and Repor	ts on Wells		
Type of Well GAS OIL & GAS COMPANY Name of Operator RESOURCES OIL & GAS COMPANY OIL & GAS COMPANY DEC 2000 RECEIVED Recompletion Now Construction Linco Messaverde Subsequent Report Recompletion X Nortice of Intent Recompletion Subsequent Report Plugging Back Non-Routine Fracturing Recompletion New Construction Casing Repair Water Shut off Casing Repair Ret Shut off Conversion to Injection Revisions It is intended to alter the casing depths and cement of the subject well. Revisions Mod Program: Mod Prog					<u> </u>	Lease Number
Name of Operator **RESERVECES*** OIL & GAS COMPANY DEC 2000 **Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-3700 (LCON.DV DIST. 3) 30-045-3-0329 **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **Location of Well, Footage, Sec., T, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA **Type of Action					٦.	
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Name of Operator **RESOURCES*** OIL & GAS COMPANY DEC 2000 **Address & Phone No. of Operator Picture Disturbing Dec 2000 **Address & Phone No. of Operator Disturbing Distur	Type of Well				٥.	·
Name of Operator RESOURCES OIL & GAS COMPANY DEC 2000 RECLIVED Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 328-0700k.CON.DV DIST. 3 30-055-30327 Location of Well, Footage, Sec. 7, R, M 1950'FNL, 2300'FEL, Sec.25, T-30-N, R-10-W, NMM** CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandonment X Change of Plans Recompletion New Construction New Construction New Construction Casing Repair Water Shut off Casing Repair Interval System Advisions: It is intended to alter the casing depths and cement of the subject well. Revisions: Interval Bole Size Dept. Interval Casing Size Weight Revision System Revision Revision Type System Revision Type Type Weight Revision Type System Revision Type System Revision Type System Revision Type System Revision Type Type Revision Type Type Revision Type Revision Type Type Revision Type Type Revision Type Revision Type Type Revision Type Type Revision Type Type Revision Type Revision Type Type Revision Type Type Revision Type Revision Type Revision Type Revision Type Revision Type Type Revision Type Type Revision Type	GAS					Tribe Name
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Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject well.	Subseq	quent Report				
Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject well. Revisions: Mud Program: Interval Type Weight Fluid Loss 10-200' Spud 8.4-9.0 No control 200-3057' LSND 8.4-9.0 No control 3057-5290' Air/Mist n/a n/a Casing Program: Role Size Dept Interval Casing Size Weight Grade 12 1/4" 0-200' 9 5/8" 32.3% H-40 8 3/4" 0-3057' 7" 20.0% J-55 6 1/4" 2957-5290' 4 1/2" 10.5% J-55 Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 xs 50/50 Class "G" Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G"/So poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate to surface). Title Regulatory Supervisor Date 11/8/00 TLW Phils space for Federal or State Office use) PRROVED BY Title Date						
Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject well. Revisions: Mud Program: Interval Type Weight Fluid Loss 0-200' Spud 8.4-9.0 No control 200-3057' LSND 8.4-9.0 No control 200-3057' LSND 8.4-9.0 No control 200-3057' Air/Mist N/a n/a Casing Program: Hole Size Depth Interval Casing Size Weight Grade 12 1/4" 0-200' 9 5/8" 32.3 H-40 8 3/4" 0-3057' 7" 20.0 H-55 6 1/4" 2957-5290' 4 1/2" 10.5 H-55 Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele. (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate to surface). Title Regulatory Supervisor Date 11/8/00 TLW Prior Space for Federal or State Office use) TIW Production Of APPROVAL, if any:	Final	Abandonment	Altering	Casing	Conversion t	to Injection
Revisions: Mud Program: Interval Type			Other -			and the second s
Revisions: Mud Program: Interval Type						
Tinterwal Type	B. Describe Pr	oposed or Com	pleted Operation	ons	ont of the su	phiest well
0-200' Spud 8.4-9.0 No control 200-3057' LSND 8.4-9.0 No control 3057-5290' Air/Mist n/a n/a Casing Program: Hole Size Depth Interval Casing Size Weight H-40 8 3/4" 0-3057' 7" 20.0# J-55 6 1/4" 2957-5290' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "C" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Title Regulatory Supervisor Date 11/8/00 TLW Title Regulatory Supervisor Date 11/8/00 TLW Date Date Date Date	It is inte Revisions:	coposed or Comended to alter	pleted Operation the casing dep	ons oths and ceme	ent of the s	
200-3057' LisnD 8.4-9.0 No control 3057-5290' Air/Mist n/a n/a Casing Program: Hole Size Depth Interval Casing Size Weight H-40 8 3/4" 0-3057' 7" 20.0# J-55 6 1/4" 2957-5290' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/28 gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate to surface). Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PPROVED BY Title Date	It is inte Revisions: Mud Program:	ended to alter	the casing dep	oths and ceme	ent of the s	
Casing Program: Hole Size Depth Interval O-200' 9 5/8" 32.3# H-40 8 3/4" 0-3057' 7" 20.0# J-55 6 1/4" 2957-5290' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Thereby certify that the foregoing is true and correct. Grad	It is inte Revisions: Mud Program: Interval	ended to alter	the casing dep	oths and ceme	ent of the s	2
Role Size Depth Interval Casing Size Weight Grade 12 1/4" 0-200' 9 5/8" 32.3 # H-40 8 3/4" 0-3057' 7" 20.0 # J-55 6 1/4" 2957-5290' 4 1/2" 10.5 # J-55	It is intended in the second s	ended to alter Type Spud	the casing dep	oths and ceme Fluid Loss No control	ent of the s	2
12 1/4" 0-200' 9 5/8" 32.3# H-40 8 3/4" 0-3057' 7" 20.0# J-55 6 1/4" 2957-5290' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Thereby certify that the foregoing is true and correct. Grad	Revisions: Mud Program: Interval 0-200' 200-3057'	ended to alter Type Spud LSND	Weight 8.4-9.0 1	oths and ceme Fluid Loss No control No control	ent of the s	2
8 3/4" 0-3057' 7" 20.0# J-55 6 1/4" 2957-5290' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Thereby certify that the foregoing is true and correct. Title Regulatory Supervisor Date 11/8/00 TLW Photograph of Approval, if any: Title Date	It is intended in the second s	ended to alter Type Spud LSND Air/Mist m:	Weight 8.4-9.0 n/a	oths and ceme Fluid Loss No control No control n/a		2
Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). 1. Thereby certify that the foregoing is true and correct. Chis space for Federal or State Office use) PPROVED BY Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PONDITION OF APPROVAL, if any:	Revisions: Mud Program: Interval 0-200, 200-3057, 3057-5290, Casing Program Hole Size	Type Spud LSND Air/Mist m: Depth Interv	Weight 8.4-9.0 18.4-9.0 19.4 20.1 20.1 20.1 20.1 20.1 20.1 20.1 20.1	oths and ceme Fluid Loss No control No control n/a Weight	<u>Grade</u>	2
Cementing Program: 9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). 1. Thereby certify that the foregoing is true and correct. Chis space for Federal or State Office use) PROVED BY Title Regulatory Supervisor Date 11/8/00 TLW PONDITION OF APPROVAL, if any:	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4"	Type Spud LSND Air/Mist Depth Interv 0-200'	Weight 8.4-9.0 n/a Casing Size 9 5/8"	Fluid Loss No control No control n/a Weight 32.3#	Grade H-40	2
9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Thereby certify that the foregoing is true and correct. Grad Title Regulatory Supervisor Date 11/8/00 TLW Chis space for Federal or State Office use) PPROVED BY Title Date Date Date	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4"	Type Spud LSND Air/Mist Depth Interv 0-200' 0-3057'	Weight 8.4-9.0 10 8.4-9.0 10 11 12 12 13 14 15 15 16 16 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Fluid Loss No control No control n/a Weight 32.3# 20.0#	<u>Grade</u> H-40 J-55	2
(188 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). 1. Thereby certify that the foregoing is true and correct. 2. Chis space for Federal or State Office use) PPROVED BY Title Regulatory Supervisor Date 11/8/00 TLW PONDITION OF APPROVAL, if any:	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290'	Weight 8.4-9.0 18.4-9.0 19.4 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5	Fluid Loss No control No control n/a Weight 32.3# 20.0# 10.5#	Grade H-40 J-55 J - 55	
2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Thereby certify that the foregoing is true and correct. Gined	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2"	Fluid Loss No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps F	Grade H-40 J-55 J - 55	
gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Thereby certify that the foregoing is true and correct. Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PPROVED BY Title Date Date	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft.	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200%	Weight 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement reviews to circulat	Fluid Loss No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps Fe to surface).	Grade H-40 J-55 J-55	calcium chloride
100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). 1. Thereby certify that the foregoing is true and correct. 2	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft.	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200%	Weight 8.4-9.0 10 8.4-9.0 10 11 12 12 13 14 1/2" 15 15 16 16 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Fluid Loss No control No control n/a Weight 32.3# 20.0# 10.5# with 0.25 pps Fe to surface). ss "G"/Trinity	Grade H-40 J-55 J-55 Clocele and 3% C	calcium chloride
7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/5 Class "G" poz w/2\$ gel, 2\$ calcium chloride, 5 pps Gilsonite, 0.1\$ antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5\$ sodium metasilicate, 2\$ calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100\$ excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5\$ gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25\$ fluid loss, 0.1\$ retardant (335 cu.ft., 50\$ excess to circulate liner). Thereby certify that the foregoing is true and correct. Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PROVED BY Title Date Date	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride. 10 pps	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla	Fluid Loss No control No control n/a - Weight	Grade H-40 J-55 J-55 Tocele and 3% of Light with 2.5 with 90 sx Clas	calcium chloride 6% sodium metasilicate, 58 °G" 50/50 poz w/2%
Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Thereby certify that the foregoing is true and correct. Gined Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PROVED BY Title Date Date DATE DATE DATE	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia 2% calcium gel, 2% cal	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1	Fluid Loss No control No control n/a - Weight	Grade H-40 J-55 J-55 Tocele and 3% of Light with 2.5 with 90 sx Clas	calcium chloride 6% sodium metasilicate, 58 °G" 50/50 poz w/2%
stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). Title Regulatory Supervisor Date 11/8/00	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia 2% calcium gel, 2% cal 100% excess 7" intermedia	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5 to circulate to	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1 surface).	Fluid Loss No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps F e to surface). ss "G"/Trinity Flocele. Tail % antifoam and age collar at 2	Grade H-40 J-55 J-55 Clocele and 3% of the control	calcium chloride of sodium metasilicate, ss "G" 50/50 poz w/2% le (920 cu.ft. of slurry, age: cement w/243 sx 50/5
4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). In thereby certify that the foregoing is true and correct. In the graph of the foregoing is true and correct. In the graph of the foregoing is true and correct. Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PROVED BY Title Date Date DATE OF APPROVAL, if any:	Revisions: Mud Program: Interval 0-200, 200-3057, 3057-5290, Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft., 7" intermedia 2% calcium gel, 2% cal 100% excess 7" intermedia	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5 to circulate to the casing alterna	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1 surface). Stive two stage: Stive two stage: Stive two stage: Stive chloride, 5	Fluid Loss No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps F e to surface). ss "G"/Trinity Flocele. Tail % antifoam and age collar at 2 pps Gilsonite.	Grade H-40 J-55 J-55 Clocele and 3% of the color of the c	calcium chloride of sodium metasilicate, ss "G" 50/50 poz w/2% le (920 cu.ft. of slurry, age: cement w/243 sx 50/56 and 0.25 pps Flocele. Se
Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner). I. I hereby certify that the foregoing is true and correct. I. Grand All Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PROVED BY Title Date DATE	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia 2% calcium gel, 2% cal 100% excess 7" intermedia Class "G" p	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5 to circulate to te casing alterna oz w/2% gel, 2% 66 sx 50/50 Class	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1 surface). Stive two stage: Stealcium chloride, 5 "G"/Trinity Light	Fluid Loss No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps Fe to surface). ss "G"/Trinity Flocele. Tail % antifoam and age collar at 2 pps Gilsonite, with 2.5% sodi	Grade H-40 J-55 J-55 Clocele and 3% of the color of the c	calcium chloride of sodium metasilicate, ss "G" 50/50 poz w/2% Le (920 cu.ft. of slurry, age: cement w/243 sx 50/5% and 0.25 pps Flocele. See e, 2% calcium chloride,
In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certify that the foregoing is true and correct. In the properties of the certification of the certificat	Revisions: Mud Program: Interval 0-200, 200-3057, 3057-5290, Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia 2% calcium gel, 2% cal 100% excess 7" intermedia Class "G" p stage: w/23 10 pps Gils	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5 to circulate to ite casing alterna ioz w/2% gel, 2% co 66 sx 50/50 Class conite, 0.5 pps Fl	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1 surface). Strive two stage: Stalcium chloride, 5 "G"/Trinity Light cocle (920 cu.ft.	Fluid Loss No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps Fe to surface). ss "G"/Trinity Flocele. Tail % antifoam and age collar at 2 pps Gilsonite, with 2.5% sodi of slurry, 100%	Grade H-40 J-55 J-55 Tocele and 3% of the color of the co	calcium chloride 6% sodium metasilicate, 68 "G" 50/50 poz w/2% 10 (920 cu.ft. of slurry, 11 and 0.25 pps Flocele. See 12 calcium chloride, 13 culate to surface).
Title Regulatory Supervisor Date 11/8/00	Revisions: Mud Program: Interval 0-200, 200-3057, 3057-5290, Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia 2% calcium gel, 2% cal 100% excess 7" intermedia Class "G" p stage: w/23 10 pps Gils 4 1/2" produc	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5 to circulate to ite casing alterna ioz w/2% gel, 2% co ioz w/2% gel, 2%	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1 surface). Still two stage: Stalcium chloride, 5 "G"/Trinity Light locele (920 cu.ft. ent with 233 sx Cla	Fluid Loss No control No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps Fe to surface). ss "G"/Trinity Flocele. Tail % antifoam and age collar at 2 pps Gilsonite, with 2.5% sodi of slurry, 100% ss "G" 50/50 po	Grade H-40 J-55 J-55 Tocele and 3% of the second of the se	calcium chloride of sodium metasilicate, ss "G" 50/50 poz w/2% Le (920 cu.ft. of slurry, age: cement w/243 sx 50/5 and 0.25 pps Flocele. See e, 2% calcium chloride, culate to surface). 0.25 pps Flocele, 5 pps
TLW	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia 2% calcium gel, 2% cal 100% excess 7" intermedia Class "G" p stage: w/23 10 pps Gils 4 1/2" produc	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5 to circulate to ite casing alterna ioz w/2% gel, 2% co ioz w/2% gel, 2%	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1 surface). Still two stage: Stalcium chloride, 5 "G"/Trinity Light locele (920 cu.ft. ent with 233 sx Cla	Fluid Loss No control No control No control n/a - Weight 32.3# 20.0# 10.5# with 0.25 pps Fe to surface). ss "G"/Trinity Flocele. Tail % antifoam and age collar at 2 pps Gilsonite, with 2.5% sodi of slurry, 100% ss "G" 50/50 po	Grade H-40 J-55 J-55 Tocele and 3% of the second of the se	calcium chloride of sodium metasilicate, ss "G" 50/50 poz w/2% Le (920 cu.ft. of slurry, age: cement w/243 sx 50/5 and 0.25 pps Flocele. See e, 2% calcium chloride, culate to surface). 0.25 pps Flocele, 5 pps
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ONDITION OF APPROVAL, if any:	Revisions: Mud Program: Interval 0-200' 200-3057' 3057-5290' Casing Program Hole Size 12 1/4" 8 3/4" 6 1/4" Cementing Pro 9 5/8" surfac (188 cu.ft. 7" intermedia 2% calcium gel, 2% cal 100% excess 7" intermedia Class "G" p stage: w/23 10 pps Gils 4 1/2" produc Gilsonite, 0	Type Spud LSND Air/Mist m: Depth Interv 0-200' 0-3057' 2957-5290' gram: e casing - 159 sx of slurry, 200% te casing - lead chloride, 10 pps cium chloride, 5 to circulate to ite casing alterna ioz w/2% gel, 2% c 6 sx 50/50 Class conite, 0.5 pps Fl tion liner - ceme 0.25% fluid loss, ertify that the	Weight 8.4-9.0 8.4-9.0 n/a Casing Size 9 5/8" 7" 4 1/2" Class "B" cement excess to circulat w/312 sx 50/50 Cla Gilsonite, 0.5 pps pps Gilsonite, 0.1 surface). ative two stage: St calcium chloride, 5 "G"/Trinity Light locele (920 cu.ft. ent with 233 sx Cla 0.1% retardant (33	This and ceme Fluid Loss No control No control No control n/a Weight 32.3# 20.0# 10.5# with 0.25 pps Fe to surface). ss "G"/Trinity Flocele. Tail % antifoam and age collar at 2 pps Gilsonite, with 2.5% sodi of slurry, 100% ss "G" 50/50 pc 5 cu.ft., 50% e true and co	Grade H-40 J-55 J-55 Clocele and 3% of the second seco	calcium chloride 6% sodium metasilicate, as "G" 50/50 poz w/2% le (920 cu.ft. of slurry, age: cement w/243 sx 50/5 and 0.25 pps Flocele. See a, 2% calcium chloride, culate to surface). 0.25 pps Flocele, 5 pps late liner).
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PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

District II PO Drawer DO, Artesia, NM 88211-0719

Submit to Appropriate District Office
OIL CONSERVATION DIVISION

DO Roy 2088

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410 PO Box 2088 Santa Fe, NM 87504-2088 100 11 01 12 54

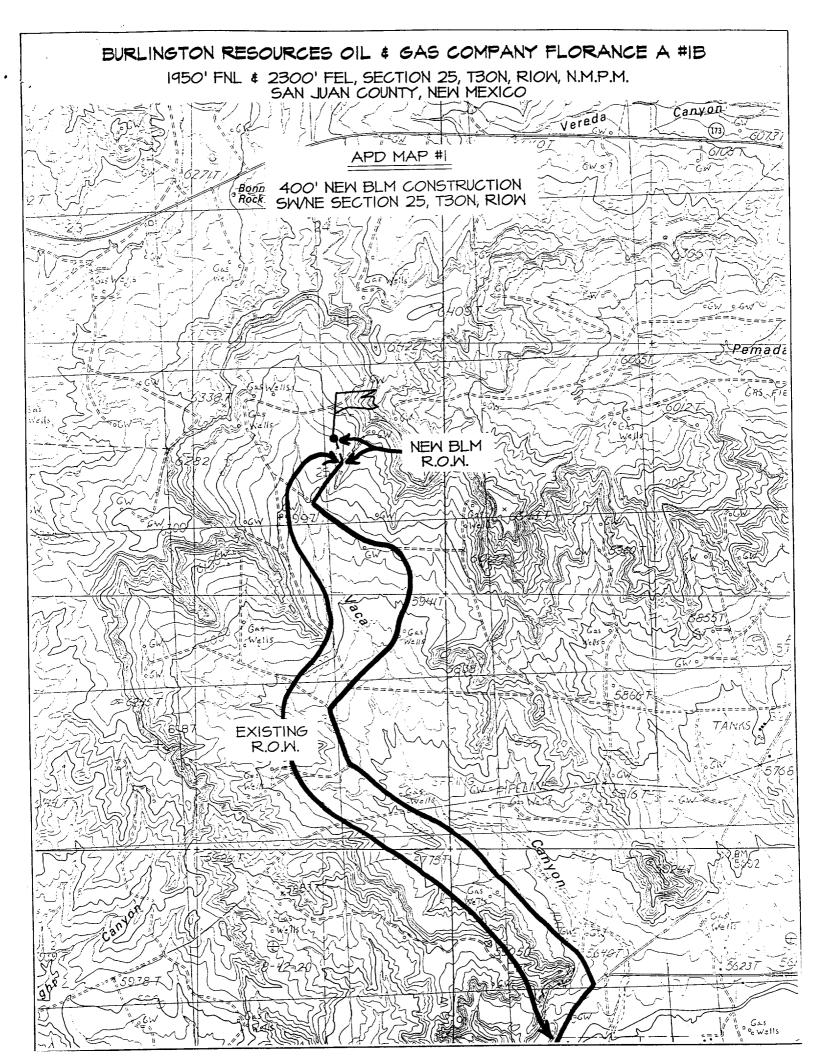
Oistrict IV PO Box 2088, Santa Fe, NM 87504-2088 ____AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number			1	*Pool Code		¹Pool Name				
30-045-30329			72	72319		Blanco Mesaverde				
'Property Code					*Property	Name		* vis	*Well Number	
7022				FLORANCE A					18	
OGRID 1	10.				*Operator	Name		9 E	*Elevation	
14538			BURLI	URLINGTON RESOURCES OIL & GAS COMPANY					6047 —	
				10	Surface	Location				
UL or lat no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County	
G	25	30N	10W		1950	NORTH	2300	EAST	SAN JUAN	
<u> </u>			ottom	Hole L	ocation I	f Different	From Surf	ace		
Ut or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County	
12 Dedicated Acres		13 Joint or Inf	ill 14 Cons	solidation Code	¹⁵ 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

		OR A NON-STANDAR	D ONTI HAS BE	EN APPROVED BY T	HE DIVISION
16		5235.12			17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
	LOT 4	LOT 3	LOT 2	LOT 1	
		\$ \ \bar{\bar{\bar{\bar{\bar{\bar{\bar{\bar	5	(7
-	 USA SF-	080776-A	·		Signature Peggy Cole
	LOT 5	FOT 6 18.75	B LOT 7	LOT 8	Printed Name Regulatory Supervisor
. 96		LAT	099	. 09	Title 8-1-00 Date
5283.	156	789	-J <u></u>	5220	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this pla was plotted from field notes of actual surveys made by ma or under my supervision, and that the same is true and correct to the best of my belief.
	1000	2000 OT 31 CEIVED 55	LOT 10	LOT 9	JUNE 5, 2000
-	OIL OIL	DIST.3			Date of Survey
	LOT 13	LOT 14	LOT 15	 LOT 16	W WELL COS
		5239.			Certificate Name 6857
		1	····	<u> </u>	0037



OPERATIONS PLAN

Well Name:

Florance A #1B

Surface Location:

1950'FNL, 2300'FEL, Section 25, T-30-N, R-10-W

San Juan County, New Mexico

Latitude 36° 47.1, Longitude 107° 50.1

Formation:

Blanco Mesa Verde

Elevation: 6047'GL

Formation Tops:	Top	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1339'	aquifer
Ojo Alamo	1339′	1510′	aquifer
Kirtland	1510′	2123′	gas
Fruitland	2123′	2641'	gas
Pictured Cliffs	2641'	2807'	gas
Lewis	2807′	3380′	gas
Intermediate TD	2907′		
Mesa Verde	3380'	3636'	gas
Chacra	3636′	4249'	gas
Massive Cliff House	4249'	4418'	gas
Menefee	4418'	4890'	gas
Point Lookout	4890'		gas
Total Depth	5290′		

Logging Program:

Cased hole logging - Gamma Ray, Cement bond from surface to TD Open hole logging - Array Induction, Temp, Neutron-Density - TD to intermediate

Mud Logs/Coring/DST - none

Mud Program:

<u> Interval- MD</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120- 2907	LSND	8.4-9.0	30-60	no control
2907- 5290'	Air/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program (as listed, the equivalent, or better):

Measured

<u> Hole Size</u>	<u>Depth</u>	<u>Csq Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2807'	7"	20.0#	J-55
6 1/4"	2907' - 5290'	4 1/2"	10.5#	J-55

<u>Tubing Program:</u> 0'-5290' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BOP Specifications, Wellhead and Tests (cont'd):

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 2 3/8" x 2000 psi tree assembly.

General ·

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 96 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/258 sx Class "B" w/3% sodium metasilicate, 5# gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 2% calcium chloride, 5# gilsonite/sx and 0.5# flocele/sx (875 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement with 188 sx Class "B" cmt with 5 pps gilsonite, 1/2 pps cellophane, 3% sodium metasilicate. Second stage: 209 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 5 pps Gilsonite (875 cu.ft., 100% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 1510'. Two turbolating centralizers at the base of the Ojo Alamo at 1510'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to circulate liner top. Pump 253 sx 50/50 Class "B" Poz w/1/4# flocele/sx, 4% gel, 0.25% retardant, 5# gilsonite/sx and 0.3% fluid loss additive (357 cu.ft., 40% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

• If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Mesa Verde formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 800 psi Pictured Cliffs 800 psi Mesa Verde 700 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The north half of Section 25 is dedicated to the Mesa Verde.
- This gas is dedicated.

Drilling Engineer B/11/00
Date