UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL, DEEPEN	, OR PLUG BACK 309 007 0 5 54 1.
a.	Type of Work	5. Lease Number
	DRILL	NM-06738
		Unit Reporting Number
lb.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas Company 6	7. Unit Agreement Name
3.	Address & Phone No. of Operator	8. Farm or Lease Name
, .	PO Box 4289, Farmington, NM 87499	জ্বি Sanchez
	(505) 326-9700	9. Well Number 63 #3B
4.	Location of Well	70/Field, Pool, Wildcat Blanco Mesaverde
	1795'FSL, 805'FEL	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ^o 46.0, Longitude 107 ^o 52.0	T Sec.34, T-30-N, R-10-W API # 30-045- 30406
14.	Distance in Miles from Nearest Town	12. County 13. State
	10.6 miles to Aztec P.O.	San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lease Line 805'	
16.	Acres in Lease	17. Acres Assigned to Well 316.84
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or 844' This school is usblack to technical and	Applied for on this Lease
19.	Proposed Depth procedural review pursuant to 43 CFR 3165.1 and appear pursuant to 43 CFR 3165.4.	3 20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6021' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	DESCRIPCE DESERTIONS AUTHORIZED ARE
		HUENERAL REQUIREMENTS"
24.	Authorized by: Sidau (ala	10-9-00
	Regulatory/Compliance Supervisor	Date
PERM	IIT NO. APPROVAL DA	ATE

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

Revisions: Mud Program: Interval Type Weight Fluid Loss 0-120' Spud 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 121 1/4'' 0-120' 9 5/8'' 32.3# H-40 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209'— 4 1/2" 10.5# J-55 6 1/4" 2798-5209'— 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 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/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele. Se stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner).	Su	undry Notices	and Report	s on Wells		
Name of Operator RESOURCES OIL & GAS COMPANY Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-970 Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, T-30-N, R-10-W, NMFM CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Recompletion Pinal Abandonment Abandonment Altering Casing Repair Final Abandonment Altering Casing Repair Final Abandonment Altering Casing Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject-well, Revisions: New York Shub 8.4-9.0 No control 120-289 ISBN 8.4-9.0 No control 120-289 Air/Mist n/a 121-1289 Air/Mist n/a 121-1289 Air/Mist n/a 121-1289 Depth Interval Casing Size Neight Grade 121-1299 Air/Mist n/a 121-1210 Depth Interval Casing Size No control 131-344 Operator 131-344 Oper					5.	Lease Number
Name of Operator **RESOURCES*** OIL & GAS COMPANY Address & Phone No. of Operator **PO Box 4289, Farmington, NM 87499 (505) 326-9708 **PO Box 4289, Farmington, NM 87499 (505) 326-9708 **Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, T-30-N, R-10-W, NMPM **Location of Well, Footage, Sec., T, R, M 1796 of Submission **X						NM-06738
Name of Operator **RESOURCES*** OIL & GAS COMPANY Address & Phone No. of Operator **PO Box 4289, Farmington, NM 87499 (505) 326-9708 **PO Box 4289, Farmington, NM 87499 (505) 326-9708 **Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, T-30-N, R-10-W, NMPM **Location of Well, Footage, Sec., T, R, M 1796 of Submission **X	Type of Well				6.	If Indian, All. or
Name of Operator RESOURCES OIL & GAS COMPANY Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9706 Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, 7-30-N, R-10-W, NMPM Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, 7-30-N, R-10-W, NMPM 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 New Construction Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject-well. Revisions: Mud Program: Interval Spud 8.4-9.0 No control 120-2898' 158D 8.4-9.0 No control 120-2898' 158D 8.4-9.0 No control 120-2898' 158D 8.4-9.0 No control 1 3 1/4" 0-2298' 7576' 20.0 No control 1 3 1/4" 0-2298' 7576' 20.0 No control 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						•
Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 336-9700	GAD					
Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, T-30-N, R-10-W, NMFM Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, T-30-N, R-10-W, NMFM Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, T-30-N, R-10-W, NMFM Location of Well, Footage, Sec., T, R, M 181anco Messaverde 11. San Juan Co, NM CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandoment X Change of Plans Recompletion Recompletion Plugging Back Non-Routine Fracturing Casing Repair Water Shut off Final Abandoment Altering Casing Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject-well. Revisions: Mod Program: Interval Type O-120' Spud 8:4-9.0 No control 120-2398' ISBN 8:4-9.0 No control 120-2398' ISB	Name of Operator			- 891	7.	Unit Agreement Nam
Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9708 Location of Well, Footage, Sec., T, R, M 10. Field and Pool Price of Submission X Notice of Intent Subsequent Report Prinal Abandonment Altering Casing Back Subsequent Report Prinal Abandonment Altering Casing Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject. Well. Revisions: Mud Program: Interval: Interval		O 3. 7		$\mathcal{L}_{\mathcal{O}}$	16 G	
Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9709 Location of Well, Footage, Sec., T, R, M 1795'FSI, 805'FEL, Sec.34, T-30-N, R-10-W, NMFM. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandonment Subsequent Report Plugging Back Recompletion Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut off Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject well. Revisions: Mud Program: Interval Spud 84-5.0 No control 120-2898' 15ND 84-9.0 No control 1210-2898' 15ND 84-9.0 No control 1211/4" 0-120' 95/8" 32.38 R-10 1211/4" 279-5809' 41/4" 279-5809' 41/4" 20.88 Reight Program: Role Size Depth Interval Casing Report No Control 1211/4" 0-120' 95/8" 32.38 R-10 1211/4" 279-5809' 41/4" 20.88 Reight Grade (113 cuft. of slurry, 2006 excess to circulate to surface). Tintermediate casing - 96 sx class "8" cement with 0.25 pps Flocele and 3% calcium chloride (113 cuft. of slurry, 2006 excess to circulate to surface). Tintermediate casing alternative two stage: Stage collar at 1861'. First stage: cement W244 sx 50/5 Class "6" yor W28 gel, 2% calcium chloride, 5 pps Gilsonite, 0.18 antifoam and 0.28 pps Flocele (972 cuft. of slurry, 100 excess to circulate liner). Thereby certify that the foregoing is true and correct. Title Regulatory Supervisor Date 11/8/00 The Proposed for Federal or State Office use) PROVED BY Not The Proposed of State Office use) Title Date	BURLINGE	₹11		On 2 1		
Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	TESCORCE:	OIL & G	AS COMPANY	(2) C	٠٠. ما	
PO Box 4289, Farmington, NM 87499 (505) 326-9706 API Well No. 30-045-2040 30-0					10 -3 ·	
Location of Well, Footage, Sec., T, R, M 1795'FSL, 805'FEL, Sec.34, T-30-N, R-10-W, NMPM. 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 Recompletion New Construction New Construction New Construction Altering Casing Repair Casing Repair Water Shut off Conversion to Injection Conversion to Injection Tis is intended to alter the casing depths and cement of the subject_well. Revisions: Mud Program: Interval Type Submission Type Revisions: Mud Program: No Control 10-120' Spue 8.49-0 No Control 10-120' Spue 8.49-0 No Control 10-120' Spue 8.49-0 No Control 10-120' Spue 10-1					9	Sanchez #3B
10. Field and Pool 1795/FSL, 805'FEL, Sec. 34, T-30-N, R-10-W, NMPM.	PO Box 4289, Farmir	ngton, NM 87	7499 (505) 3	3 26- 970 %	₹	
1795 FSL, 805 FEL, Sec. 34, T-30-N, R-10-W, NMPM 11. County and State San Juan Co, NM CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandonment A Change of Plans Recompletion Subsequent Report Plugging Back Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject well, Revisions: Mud Program: Interval 10-120, Spub 10-120,				A Committee And Annual Committee Annual	, SA	_
Blanco Mesaverde 1. County and State San Juan Co, NM CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandonment X Change of Plans Recompletion Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject-well, Revisions: Mud Program: Interval Spud 8.4-9.0 No control 120-2898 120-2898 1210-2898 1210-2898 1210-2898 1210-29	Location of Well, Fo	ootage, Sec.,	T, R, M		<u></u> 介》10.	Field and Pool
CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandonment Aba				NMPM .	~ (1) (Latin	Blanco Mesaverde
CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandonment X Change of Plans Recompletion Subsequent Report Plugging Back Non-Routine Fracturing Water Shut off Final Abandonment Altering Casing Repair Water Shut off Conversion to Injection Other Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject well. Revisions: Mud Program: Internation Internati	,,,	•	- · · ·		11.	County and State
Type of Submission X Notice of Intent Abandonment X Notice of Intent Recompletion New Construction Non-Routine Fracturing Water Shut off Final Abandonment Altering Casing Repair Water Shut off Conversion to Injection Other - 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 No control 120-2888						-
Type of Submission X Notice of Intent Abandonment Abandonment Recompletion New Construction Non-Routine Fracturing Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection Other This intended to alter the casing depths and cement of the subject well, Revisions: Not Program: Interval 10-22896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-20 1-29896 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20						
Type of Submission X Notice of Intent Abandonment Abandonment Recompletion New Construction Non-Routine Fracturing Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection Other This intended to alter the casing depths and cement of the subject well, Revisions: Not Program: Interval 10-22896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-120 1-29896 1-20 1-29896 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20	. CHECK APPROPRIATE I	BOX TO INDICA	TE NATURE (OF NOTICE, RE	PORT, OTHER	DATA
X Notice of Intent Abandonment Recompletion Recompletion New Construction Non-Routine Fracturing Casing Repair Final Abandonment Altering Casing Other Conversion to Injection Other 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 0-120 Spud 8.4-9.0 No control 120-299' 120-299' 120-299' 1210-299' 1210-299' Air/Mist Na Casing Size Weight Fluid Loss No control 1/2 121/4' 12-298-5209' Air/Mist Na Casing Size Weight Fluid Loss No control 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/				·		
Subsequent Report Plugging Back Casing Repair Final Abandonment Altering Casing Other Other Conversion to Injection Other Tis intended to alter the casing depths and cement of the subject well, Revisions: Mud Program: Interval O-120' Spud 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 120-2898' Air/Mist n/a n/a Casing Program: Role Size Depth Interval 12 1/4" 0-120' 9 5/8" 32.3\frac{34}{34} H-40 12 1/4" 0-120' 9 5/8" 32.3\frac{34}{34} H-40 13 1/4" 0-120' 9 5/8" 35.5\frac{32.3\frac{34}{34}}{34} H-40 15 1/4" 0-120' 9 5/8" 35.5\frac{32.3\frac{34}{34}}{34} H-40 15 1/4" 0-120' 9 5/8" 35.5\frac{32.3\frac{34}{34}}{34} H-40 16 1/4" 2798-5209' 4 1/2" 10.5\frac{34}{34} 10.5\frac{32.3\frac{34}{34}}{34} H-40 17' intermediate casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3\frac{3}{34} calcium chloride (113 cu.ft. of slurry, 200\frac{34}{34} scopes to circulate to surface). 7" intermediate casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3\frac{3}{34} calcium chloride (113 cu.ft. of slurry, 200\frac{34}{34} scopes to circulate to surface). 7" intermediate casing - 16 such w/293 sx 50/50 Class "G"/Trinity Light with 2.5\frac{3}{34} scopes scopes scopes scopes w/28 scopes to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/28 spl. 22 scopes scopes w/28 scopes w/27 spl. 2\frac{3}{34} calcium chloride, 5 pps Gilsonite, 0.1\frac{3}{34} and 0.2\frac{3}{34} pps Flocele (872 cu.ft. of slurry, 100\frac sexcess to circulate to surface). 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100\frac{3}{34} scopes scopes scopes w/28 spl. 0.25 pps Flocele, 5 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100\frac{3}{34} scopes scopes scopes scopes w/28 spl. 0.25 pps Flocele, 5 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100\frac{3}{34} scopes sc		ntent	-			ans
Subsequent Report Plugging Back Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection Other - 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 0-120' Spud 8.4-9.0 No control 120-2298' LSND 8.4-9.0 No control 120-2298' LSND 8.4-9.0 No control 120-2298' Air/Mist n/a n/a Casing Frogram: Hole Size Depth Interval Casing Size Weight Grade 121/4" 0-2898' 7" 20.08 J-55 6 1/4" 2798-5299' 4 1/2" 10.58 J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 "C" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/5' Class "C" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Cass "C"/Trinity Light with 2.5% sodium metasilicate, 2 calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Cass "C"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Cass "C"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Cass "C"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 1 Intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/5 Class "C" poz w/28 g						
Casing Repair Water Shut off Altering Casing Conversion to Injection Other - Describe Proposed or Completed Operations It is intended to alter the casing depths and cement of the subject_well. Revisions: Nud Program: Interval Type Weight Fluid Loss O-120' Spud 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 2898-5209' Air/Mist n/a n/a Casing Program: Hole Size Depth Interval Casing Size Weight Grade 12 1/4" 0-120' 9 5/8" 32.3% H-40 8 3/4" 2'98-5209' 4 1/2" 10.5% J-55 6 1/4" 2'798-5209' 4 1/2" 10.5% J-55 6 1/4" 2'798-5209' 4 1/2" 10.5% J-55 7" intermediate casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 20% excess to circulate to surface). 7" intermediate casing - 10 pps Galsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 750 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 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/271 sx 50/50 class "G"/Trinity Light with 2.5% sodium metasilicate, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G"/5050 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 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 **Interval:** Casing Repair Altering Casing - depth and cement of the subject. Title Date **PROVED BY* **Date:** Casing Repair Altering Casing - female Casing - f	Subsequent I	Report —		· · · · · · · · · · · · · · · · ·		
Pinal Abandonment	bubbequene i					-
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 120-2898' LSND 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 2898-5209' Air/Mist n/a n/a Casing Program: Hole Size Dept Interval Casing Size Weight Grade 12 1/4" 0-120' 9 5/8" 32.3# H-40 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 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/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G"/S0/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate to surface). Title Regulatory Supervisor Date 11/8/00 FLW Chis space for Federal or State Office use) PPROVED BY Film Lovato Title Date	Final Abando	onment		·· ——		
Ti is intended to alter the casing depths and cement of the subject_well, Revisions: Mud Program: Interval Type Weight Fluid Loss 0-120' Spud 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 2898-5209' Air/Mist n/a n/a Casing Program: Hole Size Depth Interval Casing Size Weight H-40 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 20-2898' 7" 20.0# J-55 6 1/4" 20-2898' 7" 20.0# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - 1ead w/293 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" pps Glosonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" pps W/25 gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). In the composition of the foregoing is true and correct. In the space for Federal or State Office use) Title Regulatory Supervisor Date 11/8/00 TIW This space for Federal or State Office use)	FINAL ADANGO			casing c	Onversion co	J 11176661011
Revisions: Mud Program: Interval Type Weight Fluid Loss 0-120' Spud 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 121/4" 0-120' 9.5/8" 32.3\frac{1}{2} H-40 8.3/4" 0-2898' 7" 20.0\frac{1}{2} J-55 6.1/4" 2798-5209' 4.1/2" 10.5\frac{1}{2} J-55 Cementing Program: 9.5/6" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3\frac{1}{2} calcium chloride (113 cu.ft. of slurry, 200\frac{1}{2} excess to circulate to surface). 7" intermediate casing - lead w/293 sx 50/50 Class "G"/Trinity Light with 2.5\frac{1}{2} sodium metasilicate, 2\frac{1}{2} calcium chloride, 10 pps Gilsonite, 0.1\frac{1}{2} antifoom and 0.25 pps Flocele (872 cu.ft. of slurry, 100\frac{1}{2} excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/5 Class "G" poz w/2\frac{1}{2} egl. 2\frac{1}{2} calcium chloride, 5 pps Gilsonite, 0.1\frac{1}{2} antifoom and 0.25 pps Flocele (872 cu.ft. of slurry, 100\frac{1}{2} excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/5 Class "G" poz w/2\frac{1}{2} egl. 2\frac{1}{2} calcium chloride, 5 pps Gilsonite, 0.1\frac{1}{2} antifoom and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5\frac{1}{2} sodium metasilicate, 2\frac{1}{2} calcium chloride, 1 10 pps Gilsonite, 0.5\frac{1}{2} pps Flocele (872 cu.ft. of slurry, 100\frac{1}{2} excess to circulate to surface). 1			_ Other -			
Mud Program: Interval	. Describe Proposed	d or Complete	ed Operation	ns		
Tinterval Spud 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 120-2898' LSND 8.4-9.0 No control 2898-5209' Air/Mist n/a n/a Casing Program: Hole Size Depth Interval Casing Size Weight Grade 12 1/4" 0-120' 9 5/8" 32.3# H-40 1.0 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G"/50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G"/50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). A f hereby certify that the foregoing is true and correct. Chis space for Federal or State Office use) TIM					nt of the sul	bject well.
120-2898 LSND 8.4-9.0 No control 120-2898 LSND 8.4-9.0 No control 2898-5209' Air/Mist n/a n/a Casing Program: Hole Size Depth Interval Casing Size Weight Grade 12 1/4" 0-120' 9 5/8" 32.3\frac{1}{8} H-40 H-40 8 3/4" 0-2898' 7" 20.0\frac{1}{8} J-55 6 1/4" 2798-5209' 4 1/2" 10.5\frac{1}{8} J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3\frac{1}{8} calcium chloride (113 cu.ft. of slurry, 200\frac{1}{8} excess to circulate to surface). 7" intermediate casing - lead w/293 sx 50/50 Class "G"/Trinity Light with 2.5\frac{1}{8} sodium metasilicate, 2\frac{1}{8} calcium chloride, 5 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2\frac{1}{8} gel, 2\frac{1}{8} calcium chloride, 5 pps Gilsonite, 0.1\frac{1}{8} antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100\frac{1}{8} excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/5'. Class "G" poz w/2\frac{1}{8} gel, 2\frac{1}{8} calcium chloride, 5 pps Gilsonite, 0.1\frac{1}{8} antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5\frac{1}{8} sodium metasilicate, 2\frac{1}{8} calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100\frac{1}{8} excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5\frac{1}{8} gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25\frac{1}{8} fluid loss, 0.1\frac{1}{8} retardant (347 cu.ft., 50\frac{1}{8} excess to circulate liner). 1 hereby certify that the foregoing is true and correct. 1 hereby certify that the foregoing is true and correct. 1 hereby certify that the foregoing is true and correct.	It is intended t				nt of the su	bject well,
2898-5209' Air/Mist n/a n/a Casing Program: Hole Size Depth Interval O-120' 9 5/8" 32.3# H-40 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 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/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1 hereby certify that the foregoing is true and correct. Title Regulatory Supervisor Date 11/8/00 TIW This space for Federal or State Office use) PPROVED BY Title Date	It is intended the Revisions: Mud Program:	to alter the	casing dep	ths and cemer	nt of the sul	bject well,
Casing Program: Hole Size Depth Interval O-120' 9 5/8" 32.3# H-40 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 11. I hereby certify that the foregoing is true and correct. 12. I hereby certify that the foregoing is true and correct. 13. I hereby certify that the foregoing is true and correct. 14. I hereby certify that the foregoing is true and correct. 15. I hereby certify that the foregoing is true and correct.	It is intended to Revisions: Mud Program: Interval Type	to alter the	casing dep	ths and cemer	nt of the sul	bject well,
Hole Size 12 1/4" 0-120' 9 5/8" 32.3# H-40 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Sestage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. Thereby certify that the foregoing is true and correct. 1. Thereby certify that the foregoing is true and correct. 1. This space for Federal or State Office use) 1. This space for Federal or State Office use) 1. This space for Federal or State Office use) 1. This space for Federal or State Office use) 1. This space for Federal or State Office use)	It is intended to the series of the series o	to alter the	casing depondent casing depondent case for the case of	ths and cemer luid Loss o control	nt of the sul	bject_well,
12 1/4" 0-120' 9 5/8" 32.3# H-40 8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/55 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 11.	It is intended to the series of the series o	to alter the weic 8.4	casing deport	ths and cemer luid Loss o control No control	nt of the sul	bject well,
8 3/4" 0-2898' 7" 20.0# J-55 6 1/4" 2798-5209' 4 1/2" 10.5# J-55 Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 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/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. 1 hereby 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	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/N	to alter the e Weic d 8.4- ND 8.4 Mist n/a	casing dep	ths and cemer luid Loss o control No control /a		bject well,
Cementing Program: 9 5/8" surface casing - 96 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. Thereby certify that the foregoing is true and correct. 1. In the Regulatory Supervisor Date 11/8/00 TILW This space for Federal or State Office use) PPROVED BY 1. Title Date Date	It is intended to the series of the series o	e Weich d 8.4-ND 8.4 Mist n/a	casing dep	ths and cemer luid Loss o control No control /a Weight	<u>Grade</u>	
Cementing Program: 9 5/8" surface casing - 96 sx class "B" cement with 0.25 pps Flocele and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Ses stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1.	Revisions: Mud Program: Interval Type 120-2898' LSN 2898-5209' Air/R Casing Program: Hole Size 12 1/4"	to alter the weice d 8.4- ND 8.4 Mist n/a pth Interval 0-120'	casing deposition depo	ths and cemer luid Loss o control No control /a Weight 32.3#	Grade H-40	
(113 cu.ft. of slurry, 200% excess to circulate to surface). 7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Set stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. 1 hereby certify that the foregoing is true and correct. 1. 2	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/h Casing Program: Hole Size 12 1/4" 8 3/4"	e Weicd 8.4-ND 8.4 Mist n/a pth Interval 0-120' 0-2898'	casing deposition depo	ths and cemer luid Loss o control No control /a Weight 32.3# 20.0#	Grade H-40 J-55	
7" intermediate casing - lead w/293 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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Se stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. Thereby certify that the foregoing is true and correct. 1. Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) 1. PPROVED BY Title Date Date Date Date Date Date Date Dat	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/l Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 275 Cementing Program:	e Weice d 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209'	casing deposition depo	luid Loss o control No control /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 (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Set stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 4 1/2" thereby certify that the foregoing is true and correct. 4 1/2" production liner - State Office use) 1	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/R Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27: Cementing Program: 9 5/8" surface casing	e Weich R.4 ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' q - 96 sx Class	casing deposition depo	luid Loss o control No control /a Weight 32.3# 20.0# 10.5#	Grade H-40 J-55 J-55	
gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/5 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Set stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. I hereby certify that the foregoing is true and correct. Title Regulatory Supervisor Date 11/8/00 TIW This space for Federal or State Office use) PPROVED BY Island Lovato Title	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/R Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 279 Cementing Program: 9 5/8" surface casing (113 cu.ft. of slui	e Weicd d 8.4 ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess	casing deposition depo	luid Loss o control No control /a Weight 32.3# 20.0# 10.5#	G <u>rade</u> H-40 J-55 J-55 Cele and 3% cal	cium chloride
100% excess to circulate to surface). 7" intermediate casing alternative two stage: Stage collar at 1861'. First stage: cement w/244 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Set stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. I hereby certify that the foregoing is true and correct. 1. I hereby certify that the foregoing is true and correct. 1. Title Regulatory Supervisor Date 11/8/00 TIW This space for Federal or State Office use) 1. PPROVED BY 1. Date Date	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/n Casing Program: Hole Size Dep 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casing	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess ng - lead w/293 le. 10 pps Gilson	casing deports The second of	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). s "G"/Trinity Lefflocele. Tail w	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5%	cium chloride s sodium metasilicate, s "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. Set stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. 1 hereby certify that the foregoing is true and correct. 1. 2 hereby certify that the foregoing is true and correct. 1. 3 hereby certify that the foregoing is true and correct. 2 hereby certify that the foregoing is true and correct. 2 hereby certify that the foregoing is true and correct. 2 hereby certify that the foregoing is true and correct. 2 hereby certify that the foregoing is true and correct. 3 hereby certify that the foregoing is true and correct. 4 hereby certify that the foregoing is true and correct. 5 hereby certify that the foregoing is true and correct. 5 hereby certify that the foregoing is true and correct. 6 hereby certify that the foregoing is true and correct. 6 hereby certify that the foregoing is true and correct. 7 hereby certify that the foregoing is true and correct. 7 hereby certify that the foregoing is true and correct. 7 hereby certify that the foregoing is true and correct. 8 hereby certify that the foregoing is true and correct. 9 hereby certify that the foregoing is true and correct.	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/n Casing Program: Hole Size Dep 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slut) 7" intermediate casing 2% calcium chloride	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess ng - lead w/293 le. 10 pps Gilson	casing deports The second of	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). s "G"/Trinity Lefflocele. Tail w	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5%	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2%
stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. I hereby certify that the foregoing is true and correct. 1. Title Regulatory Supervisor Date 11/8/00 TLW This space for Federal or State Office use) PPROVED BY ISLAM LOVATO Title	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/l Casing Program: Hole Size Dep 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casing 2% calcium chloridgel, 2% calcium chloridgel, 2% calcium chloroly	e Weice R.4- ND 8.4- Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rry, 200% excess ng - lead w/293 le, 10 pps Gilson loride, 5 pps Giculate to surface	casing deports of the control of the casing deports of the case of	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). s "G"/Trinity L. Flocele. Tail w. antifoam and 0	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry,
10 pps Gilsonite, 0.5 pps Flocele (872 cu.ft. of slurry, 100% excess to circulate to surface). 4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. I hereby certify that the foregoing is true and correct. 1. I hereby certify that the foregoing is true and correct. 2. I hereby certify that the foregoing is true and correct. 2. I hereby certify that the foregoing is true and correct. 2. I hereby certify that the foregoing is true and correct. 2. I hereby certify that the foregoing is true and correct. 3. I hereby certify that the foregoing is true and correct. 4. I hereby certify that the foregoing is true and correct. 4. I hereby certify that the foregoing is true and correct. 5. I hereby certify that the foregoing is true and correct. 6. I hereby certify that the foregoing is true and correct. 6. I hereby certify that the foregoing is true and correct. 7. I hereby certify that the foregoing is true and correct. 6. I hereby certify that the foregoing is true and correct. 7. I hereby certify that the foregoing is true and correct. 7. I hereby certify that the foregoing is true and correct. 8. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct. 9. I hereby certify that the foregoing is true and correct.	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/R Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27' Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu 7" intermediate casing 2% calcium chloridgel, 2% calcium ch 100% excess to cir 7" intermediate casing	e Weich R.4 ND 8.4 ND 8.4 Mist n/a Pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess ng - lead w/293 le, 10 pps Gilson loride, 5 pps Gilson coulate to surfacen ng alternative	casing deports of the control of the	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flor to surface). s "G"/Trinity L Flocele. Tail w. antifoam and 0	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5
4 1/2" production liner - cement with 241 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). 1. I hereby certify that the foregoing is true and correct. 1. Title Regulatory Supervisor Date 11/8/00 TIW This space for Federal or State Office use) PPROVED BY ISL IN LOVATO Title Date	Revisions: Mud Program: Interval 0-120' Spuc 120-2898' LSN 2898-5209' Air/N Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27' Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casing 2% calcium chloridgel, 2% calciu	e Weicd d 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess ng - lead w/293 le, 10 pps Gilson cloride, 5 pps Gi culate to surfac ng alternative	casing deports of the control of the	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Floce to surface). s "G"/Trinity Le Flocele. Tail we antifoam and 0 uge collar at 18 pps Gilsonite,	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se
Gilsonite, 0.25% fluid loss, 0.1% retardant (347 cu.ft., 50% excess to circulate liner). I. I hereby certify that the foregoing is true and correct. I gned	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/h Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27. Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casin 2% calcium chloride gel, 2% calcium chloride	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess ng - lead w/293 le, 10 pps Gilson cloride, 5 pps Gilson cloride, 5 pps Gilson cloride, 5 calcium g alternative gel, 2% calcium /50 Class "G"/Ti	casing deports of the control of the casing deports of the case of	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). s "G"/Trinity L Flocele. Tail w. antifoam and 0 age collar at 18 pps Gilsonite, with 2.5% sodiu	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag 0.1% antifoam a	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride,
In the space for Federal or State Office use) Perroved BY In the Regulatory Supervisor Date 11/8/00 This space for Federal or State Office use) Perroved BY Date	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/N Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casin 2% calcium chlorid gel, 2% calcium chlorid	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rry, 200% excess rry, 200% excess lo, 10 pps Gilson cloride, 5 pps Gilson c	casing deports of the control of the	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). s "G"/Trinity Le Flocele. Tail we antifoam and 0 ige collar at 18 pps Gilsonite, with 2.5% sodium of slurry, 100%	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag 0.1% antifoam a m metasilicate, excess to circu	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride, alate to surface).
Title Regulatory Supervisor Date 11/8/00	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/R Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27 Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casin 2% calcium chlorid gel, 2% calcium chl 100% excess to cire 7" intermediate casin (class "G" poz w/2% stage: w/277 sx 50 10 pps Gilsonite, 4 1/2" production lii	e Weicd d 8.4 ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rry, 200% excess rry, 200% excess rg - lead w/293 le, 10 pps Gilson cloride, 5 pps Gilson clorid	casing deports of the control of the	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Floot to surface). s "G"/Trinity Lefele. Tail weight antifoam and of the surface of	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag 0.1% antifoam a m metasilicate, excess to circu w/4.5% gel, 0.	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride, alate to surface). 25 pps Flocele, 5 pps
This space for Federal or State Office use) PPROVED BY /8/ Jim Lovato Title Date	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LsN 2898-5209' Air/l Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casin 2% calcium chlorid gel, 2% calcium chl 100% excess to cire 7" intermediate casin Class "G" poz w/2% stage: w/277 sx 50 10 pps Gilsonite, 4 1/2" production li:	e Weicd d 8.4 ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rry, 200% excess rry, 200% excess rg - lead w/293 le, 10 pps Gilson cloride, 5 pps Gilson clorid	casing deports of the control of the	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Floot to surface). s "G"/Trinity Lefele. Tail weight antifoam and of the surface of	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag 0.1% antifoam a m metasilicate, excess to circu w/4.5% gel, 0.	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride, alate to surface). 25 pps Flocele, 5 pps
This space for Federal or State Office use) PPROVED BY /8/ Jim Lovato Title Date	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/N Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27' Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casin 2% calcium chlorid gel, 2% calcium chl 100% excess to circ 7" intermediate casis Class "G" poz w/2% stage: w/277 sx 50 10 pps Gilsonite, 4 1/2" production li Gilsonite, 0.25% fly	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rry, 200% excess rg - lead w/293 le, 10 pps Gilson cloride, 5 pps Gilson cloride, 5 pps Gilson coulate to surface gel, 2% calcium /50 Class "G"/To 0.5 pps Flocele ner - cement wi unid loss, 0.1%	casing deports of the control of the	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). s "G"/Trinity Lu Flocele. Tail w antifoam and 0 age collar at 18 pps Gilsonite, with 2.5% sodium of slurry, 100% of slurry, 100% of s' 50/50 poz cu.ft., 50% ex	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag 0.1% antifoam a m metasilicate, excess to circu	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride, alate to surface). 25 pps Flocele, 5 pps
PPROVED BY /8/ JIM LOVATO Title Date	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/N Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casin 2% calcium chlorid gel, 2% calcium chlorid	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rry, 200% excess rg - lead w/293 le, 10 pps Gilson cloride, 5 pps Gilson cloride, 5 pps Gilson coulate to surface gel, 2% calcium /50 Class "G"/To 0.5 pps Flocele ner - cement wi unid loss, 0.1%	casing deports of the control of the	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). ss "G"/Trinity Le Flocele. Tail weight antifoam and 0 age collar at 18 pps Gilsonite, with 2.5% sodium of slurry, 100% of slurry, 100% of surface, 50% ex true and core	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag 0.1% antifoam a m metasilicate, excess to circu w/4.5% gel, 0. cess to circula	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride, alate to surface)25 pps Flocele, 5 pps ate liner).
	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LSN 2898-5209' Air/n Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casing 2% calcium chloridd gel, 2% calcium chlori	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rng - lead w/293 le, 10 pps Gilson cloride, 5 pps Gil	casing deports of the second state of the second	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). ss "G"/Trinity Le Flocele. Tail weight antifoam and 0 age collar at 18 pps Gilsonite, with 2.5% sodium of slurry, 100% of slurry, 100% of surface, 50% ex true and core	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stag 0.1% antifoam a m metasilicate, excess to circu w/4.5% gel, 0. cess to circula	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride, alate to surface)25 pps Flocele, 5 pps ate liner).
	Revisions: Mud Program: Interval Type 0-120' Spuc 120-2898' LsN 2898-5209' Air/n Casing Program: Hole Size 12 1/4" 8 3/4" 6 1/4" 27! Cementing Program: 9 5/8" surface casing (113 cu.ft. of slu: 7" intermediate casin 2% calcium chloridd gel, 2% calcium chloridd gel, 2% calcium chlorid gel, 2% calcium chlorid sexcess to circ 7" intermediate casin Class "G" poz w/2% stage: w/277 sx 50 10 pps Gilsonite, 4 1/2" production li Gilsonite, 0.25% flu In hereby certify Gned This space for Federa	e Weicd 8.4- ND 8.4 Mist n/a pth Interval 0-120' 0-2898' 98-5209' g - 96 sx Class rry, 200% excess rg - lead w/293 le, 10 pps Gilson cloride, 5 pps Gils	casing deports of the second state of the second state of the second state of the second state of the second secon	luid Loss o control No control /a Weight 32.3# 20.0# 10.5# th 0.25 pps Flow to surface). ss "G"/Trinity Le Flocele. Tail weight antifoam and 0 age collar at 18 pps Gilsonite, with 2.5% sodium of slurry, 100% of slurry, 100% of surface, 50% ex true and core	Grade H-40 J-55 J-55 cele and 3% cal ight with 2.5% ith 90 sx Class .25 pps Flocele 61'. First stac 0.1% antifoam a m metasilicate, excess to circu w/4.5% gel, 0. cess to circula rect. upervisor Da	cium chloride s sodium metasilicate, s "G" 50/50 poz w/2% e (872 cu.ft. of slurry, ge: cement w/244 sx 50/5 and 0.25 pps Flocele. Se 2% calcium chloride, alate to surface)25 pps Flocele, 5 pps ate liner).

O. Box 1980, Hobbs, N.M. B8241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies

P.O. Drower DD, Artesia, N.M. 88211-0719

DISTRICT III

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, NM 87504-2088

State Lease — 4 Copies Fee Lease — 3 Copies

1000 Rio Brazos Rd., Aztec, N.M. 87410 DISTRICT IV PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

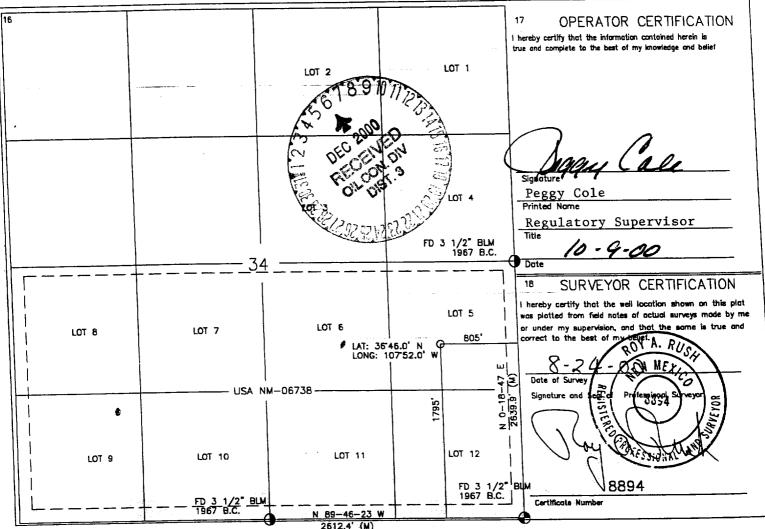
1 ADL Number	² Pool Code		³ Pool Name		
30-045- 30406	72319 —		. Blanco Mesaverde -		
¹ Property Code		⁵ Property Name		Well Number	
7475		SANCHEZ		#3B	
⁷ DGRID No.		*Operator Name		* Elevation	
	BURLINGTON RE	RESOURCES OIL & GAS INC.		6021'—	
14538				L	

Surface Location North/South line Feet from the East/West line County Feet from the Lot Idn Township Ronge UL or lot no. Section SAN JUAN 805 **EAST** 1795 SOUTH 30-N 10-W 34 1

11 Bottom Hole Location If Different From Surface

			"Botte	om Hole	Location	T Different Fr	om Surface		
UL or lot no.	Section	Township	Ronge	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 J	loint or Infili	<u> </u>	¹⁴ Consolidation Co	ode	15 Order No.		
S/316.8	4								

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



OPERATIONS PLAN

Well Name: Sanchez #3B

Surface Location: 1795'FSL, 805'FEL, Section 34, T-30-N, R-10-W

San Juan County, New Mexico

Latitude 36^o 46.0, Longitude 107^o 52.0

Formation: Blanco Mesa Verde

Elevation: 6021'GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	1245'	aquifer
Ojo Alamo	1245'	1409'	aquifer
Kirtland	1409'	1961'	gas
Fruitland	1961'	2493'	gas
Pictured Cliffs	2493'	2648'	gas
Lewis	2648'	3233′	gas
Intermediate TD	2748'		
Mesa Verde	3233'	3498'	gas
Chacra	3498'	4170'	gas
Massive Cliff House	4170'	4248'	gas
Menefee	4248'	4809'	gas
Point Lookout	4809'		gas
Total Depth	5209'		

Logging Program:

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

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- 2748'	LSND	8.4-9.0	30-60	no control
2748- 5209'	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

Hole Size	<u>Depth</u>	<u>Csq Size</u>	Weight	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2748'	7"	20.0#	J-55
6 1/4"	2648! - 5209!	4 1/2"	10 5#	.T-55

Tubing Program: 0' -5209' 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/246 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 (827 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 1861'. First stage: cement with 212 sx Class "B" cmt with 5 pps gilsonite, 1/2 pps cellophane, 3% sodium metasilicate. Second stage: 193 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 5 pps Gilsonite (827 cu.ft., 100% excess to circulate to surface).