Office State of New Mex	rico Form C-103
District I Energy, Minerals and Natura	al Resources May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVATION I	DIVISION 30-005-20103
District III 1220 South St. France	5. Indicate Type of Lease
1000 Rio Brazos Rd. Aztec. NM 87410	STATE TEE
District IV Santa Fe, NM 875	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505	
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUC	G BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR	
PROPOSALS.)	8. Well Number 119
1. Type of Well: Oil Well Gas Well Other	
2. Name of Operator	9. OGRID Number 183718
Lothian Oil, Inc.	
3. Address of Operator	10. Pool name or Wildcat
200 LORAINE, Suite 400, MIDLAND, TX 79701	CATO SAN ANDRES - 10540
4. Well Location	
Unit Letter: O 660 feet from the SOUTH line and	d1,980_feet from theEAST line
Section 15 Township 8-S Range 30-E	
11. Elevation (Show whether DR, I	
4,160'-GL, 4,170' – KE	
Pit or Below-grade Tank Application or Closure	5,
	Annual Prince of the Control of the
Pit typeDepth to GroundwaterDistance from nearest fresh wa	ter well Distance from nearest surface water
Pit Liner Thickness: mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check Appropriate Box to Indicate Na	ture of Notice Report or Other Data
12. Chest rippropriate Box to material ru	aute of Notice, Report of Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
·	REMEDIAL WORK ALTERING CASING
	COMMENCE DRILLING OPNS. □ P AND A □
	<del></del>
	CASING/CEMENT JOB
PULL OR ALTER CASING   MULTIPLE COMPL	<del></del>
PULL OR ALTER CASING   MULTIPLE COMPL   OTHER:	CASING/CEMENT JOB  OTHER:
PULL OR ALTER CASING MULTIPLE COMPL  OTHER:  13. Describe proposed or completed operations. (Clearly state all per	OTHER:  crtinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion
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PULL OR ALTER CASING  MULTIPLE COMPL    OTHER:  Clearly state all per of starting any proposed work). SEE RULE 1103. For Multiple	OTHER:  crtinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion
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PULL OR ALTER CASING  MULTIPLE COMPL   OTHER:  Clearly state all per of starting any proposed work). SEE RULE 1103. For Multiple or recompletion.  RIH to 3,150' & Set a CIBP. Spot a 35' Cmt Plug. WOC &	OTHER:  crtinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion
PULL OR ALTER CASING  MULTIPLE COMPL   OTHER:  Clearly state all per of starting any proposed work). SEE RULE 1103. For Multiple or recompletion.  RIH to 3,150' & Set a CIBP. Spot a 35' Cmt Plug. WOC & Free Point 4-1/2" Csg.	OTHER:  crtinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion
PULL OR ALTER CASING  MULTIPLE COMPL    OTHER:  Clearly state all per of starting any proposed work). SEE RULE 1103. For Multiple or recompletion.  RIH to 3,150' & Set a CIBP. Spot a 35' Cmt Plug. WOC & Free Point 4-1/2" Csg. Chemical Cut 4-1/2" Csg & POOH & Salvage 4-1/2" Prod.	OTHER:  crtinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion
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PULL OR ALTER CASING MULTIPLE COMPL  OTHER:  13. Describe proposed or completed operations. (Clearly state all performance of starting any proposed work). SEE RULE 1103. For Multiple or recompletion.  Note:  RIH to 3,150' & Set a CIBP. Spot a 35' Cmt Plug. WOC & Free Point 4-1/2" Csg. Chemical Cut 4-1/2" Csg & POOH & Salvage 4-1/2" Prod. Spot a 100' Plug across 4-1/2" Csg Stub (50' Below & About Pmp 9.5 - 10 ppg Mud between Plugs.	OTHER:  crtinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion
PULL OR ALTER CASING  MULTIPLE COMPL  OTHER:	OTHER:  crtinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion
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PULL OR ALTER CASING  MULTIPLE COMPL  OTHER:	OTHER:  Certinent details, and give pertinent dates, including estimated date of Completions: Attach wellbore diagram of proposed completion of Tag.  Csg.  Csg.  Cve Stub). WOC & Tag.  Cker.  THE OIL CONSERVATION DIVISION ATTACH CONSERVATION ATTACH CONS
PULL OR ALTER CASING  MULTIPLE COMPL  OTHER:	OTHER:  Certinent details, and give pertinent dates, including estimated date of Completions: Attach wellbore diagram of proposed completion of Tag.  Csg.  Csg.  Ove Stub). WOC & Tag.  Cker.  THE OIL CONSERVATION DIVISION SUITED AND ALBERT OF THE COLL CONSERVATION DIVISION SUITED SUITED AND ALBERT OF THE COLL CONSERVATION DIVISION SUITED S
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PULL OR ALTER CASING	OTHER:  critinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion at Tag.  Csg.  Csg.  OC & Tag.  Cker.  THE OIL CONSERVATION DIVISION That any pit or below, a general permit to of fatter that any pit or below, a general permit to of fatter that any pit or below.  etroleum Engineer  DATE: November 16, 2006
PULL OR ALTER CASING	OTHER:  criment details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion at Tag.  Csg.  Csg.  OC & Tag.  Cker.  THE QIL CONSERVATION DIVISION TO BE NOTIFIED 24 HOURS Period that any pit or belowing a general period.  The period of th
PULL OR ALTER CASING   MULTIPLE COMPL    OTHER:   13. Describe proposed or completed operations. (Clearly state all performance of starting any proposed work). SEE RULE 1103. For Multiple or recompletion.  1) RIH to 3,150' & Set a CIBP. Spot a 35' Cmt Plug. WOC & 2) Free Point 4-1/2" Csg. 3) Chemical Cut 4-1/2" Csg & POOH & Salvage 4-1/2" Prod. 4) Spot a 100' Plug across 4-1/2" Csg Stub (50' Below & About Spot a 100' Plug fl 1,415' – 1,515'.  7) Pmp 9,5 - 10 ppg Mud between Plugs. 8) Spot a 100' Plug fl 232' - 332'. (Surf. Csg Shoe Plug). WO Spot Cmt fl 60' to Surf or 10 sx Plug.  10) Cut Off Well Head & Cap below 3' & Install a Dry Hole Mar Remove all Rig Anchors.  I hereby certify that the information above is true and complete to the best grade tank has been/will be constructed or closed according to NMOCD guidelines   SIGNATURE:	OTHER:  critinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion at Tag.  Csg.  Csg.  Oc & Tag.  Cker.  THE OIL CONSERVATION DIVISION that any pit or below-that any pit
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PULL OR ALTER CASING	OTHER:  critinent details, and give pertinent dates, including estimated date completions: Attach wellbore diagram of proposed completion at Tag.  Csg.  Csg.  Oc & Tag.  Cker.  THE OIL CONSERVATION DIVISION that any pit or below-that any pit

## LOTHIAN OIL, INC.

## CATO SAN ANDRES UNIT # 119 CATO FIELD

Polish Rod:
Polish Rod Liner:
Pumping Unit:

Location: 660* FSL & 1980* FEL. Unit O, Sec. 15, T-8-S, R-30-E  NMPM, Chaves County, NM  Elevation: 4.160*-GL, 4,170*-KB, KB: 10*  TREATMENT HISTORY  Date  Description  TREATMENT HISTORY  Description  920/82 WL Set a CIBP @ 3,350* - Dump 10* Cmt on Top. Perf the Upper SA V 3,212, 13; 23; 25; 37; 38; 39, 40, 41; 42* W1-39F. A 1701at of 10* Net Perfs & 16 - 136* Holes-Addize U SA V 3,212-42* W; 5,000 gals of 29% NR Add. Diver W1 95 BS, FRMBRXDVN: 38008, Pmax: 35008, Pavg: 23008, AIR: 43 BPM, ISIP; 18508, 15min: 18006. 7/11/67 Perfd the P-1 & P-2 P 2 1/3 529; 31; 33; 39; 50; 54; 60; 61* W2-JSPF, A Total of 8* Net Perfs & 16 - 36* Holes-Addized W 30-78* ROM SE, FRMBRKDWN: 30009. Pmax: 30008, Pmin: 26008, AIR: 13 BPM, ISIP: 21008.  PPMP: NONE  P				Completed: <u>7/13/1967</u>	
Elevation: 4.160-GL, 4.170-KB, KB: 10'  TREATMENT HISTORY Date Description  9/20/82 WL Set a CIBP @ 3,350' - Dump 10' Cmt on Top. Perf the Upper SA // 3,212, 13, 23, 25, 37, 38', 39, 40, 41, 42' wl. 1,35P. A Total of 10' Net Perfs & 10 HolesAcidize U SA // 3,212, 13, 23, 25, 37, 38', 39, 40', 86' w. 2-JSPF. A Total of 10' Net Perfs & 10 HolesAcidize U SA // 3,212-42' w. 5,000 gals of 28% N. E. Acid. Diverwing 15. B. F. RMBRKDWH: 35006, Prans: 35008, Pavg; 23008, AIR: 4.3 BPM, ISIP: 18509, 15min: 18008, 7/11/67 Perfd time P-1 & P-2 // 3,529, 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8' Holes. Acidized Perfs & 16 - 3/8' Holes. Acidized Perfs & 16 - 3/8' Holes. Acidized W 30-7/8' FOR SB. FRIBBRKDWN 30008 Pmax: 30009, Pmin: 26009, AIR: 13 BPM, ISIP: 21009.  PERTO: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650' TD: 3,651' TD: 3,650' TD: 3,65	Location:	660' FSL & 1980' FEL, Unit O, Sec. 15, T-8-S, R-30-E	:	<b>API #</b> : <u>30-005-201</u> 03	
Elevation: 4,160-GL, 4,170-KB, KB: 10* TREATMENT HISTORY Date Description  Perf the Upper SA 9, 212; 13; 23; 25, 37, 38; 39; 40; 41; 42; wt 1-JSPF, A Total of 10 Net Perfs 8, 10 HorseAddize U SA 9, 212; 42; w5, 500 gals of 28% NE Acid. Divert wt 15 BS. FRMBRKDVN: 3500#, Pmax: 3500#, Pavg: 2300#, AIR: 43 SPM, ISIP: 1850#, 15min: 1500#, 7/11/67 Perfd the P-1 & P-2 P-1 (1/3 465; 69; 72; 75; 79; 82; 84; 68; wf 2-JSPF, A Total of 8 Net Perfs & 16-3/8* Holes. 16-3/8* Holes. P-2 // 3, 329; 31; 33; 39; 50; 54; 60; 61; wf 2-JSPF, A Total of 8 Net Perfs & 16-3/8* Holes Diverted wf 30-7/8* FROMS ISF FRMBRKDVN: 3000# Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  PBTD: 3,854* TD: 3,859*  PBTD: 3,854* TD: 3,859*  PBTD: 3,854* TD: 3,859* Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd, ST&C Csp. Sat (2, 3, 50)*, Cmtd wf 175 sas of holes Claim (10 Net Perfs & 16-3/8* Holes.  Casing: 107 jist3,650*) of 4-1/2*, 9,5#, 8rd		NMPM, Chaves County, NM			
TREATMENT HISTORY Date  Description  7				12-1/2" Hole	
TREATMENT HISTORY Date  Description  7	Elevation:	4,160'-GL, 4,170'-KB, KB: 10'			
Date Description    9/20/82   WL Set a CIBP @ 3,350' - Dump 10' Cmt on Top. Perf the Upper SA '# 3,212', 13; 23, 25; 37, 38', 39', 40', 41', 42' wt 1.35PF. A Total of 10' Net Perfs & 10' 10,000 gats of 28'% NE Acid. Driver wt 15 BS. FRIMBERCOWN. 3500#, Pmax: 3500#, Pmax: 3500#, Pmax: 3500#, Pmax: 3500#, Pmay: 2300#, AIR: 4.3 BPM, ISIP: 1850#, Ismin: 1800#. 7/7/16' Perfd the P-1 & P-2 Pt 1/4 3.456, 59', 72', 75', 79', 82', 84', 86' wt 2.JSPF. A Total of 8' Net Perfs & 16-38' Holes. Acidized the P-1 & P-2 b' 3.466, 33', 39', 50', 54', 60', 61' wt 2.JSPF. A Total of 8' Net Perfs & 16-38' Holes. Acidized the P-1 & P-2 b' 3.466, 33', 39', 50', 54', 60', 61' wt 2.JSPF. A Total of 8' Net Perfs & 16-38' Holes. Acidized the P-1 & P-2 b' 3.466, 350' wt 10,000 gats of 28' bit. ST-NE Acid in 4 Stgs. Diverted wt 30' 7/8' RCN BS. FRIMBRIXDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.    Pump: None   Perforations: San Andres   San Andres				Casing:	
Section   Sect	T	REATMENT HISTORY		7 jts(282') of 8 5/8", 20#, 8rd, ST&C Csg.	
Section   Sect	Date	Description	I IN	Set @ 282'.	
920/82 WL Set a CIBP @ 3,359" - Dump 10" Cmt on Top. Perf the Upper SA ff 3,212; 13; 23; 25; 37; 38", 39", 40", 41", 42" wf 1-JSPF, A Total of 10" Net Perfs & 10 Holesacdize U SA 9', 3,212-42" wf 5,000 gals of 28'S ME Acid. Dutent wf 15 BS. FRMBRCWN. 3500#, Pmax 3500#, Pavg: 2300#, AIR: 4.3 BPM, ISIP: 1850#, 15min: 1800#, 7/1/167 Perfd the P-1 & P-2: P-11/3,465; 59; 72", 75", 79", 82", 84", 86' wf 2-JSPF, A Total of 6" Net Perfs & 16", 39" Holes. Acidized the P-1 & P-2 tf 3,465; 3,561" wf 10,000 gals of 25% LSTNE Acid in 4 Sigs. Diverted wf 30-78" RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  PPMP: NONE  Perforations: San Andres  Perforations: San Andres  Perforations: San Andres  San Andres: P-1 & P-2 & U SA 3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' wf 1-JSPF. A Total of 6" Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79; 82', 84', 86' wf 2-JSPF. A Total of 6" Net Perfs & 16 -3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650'  TO Isia,650') of 4-12", 3,5#, 8rd, ST&C Cag. Set @ 3,550'. Cmt'd wf 175 sxs of Incor Cl "C" Cmt + 12%, Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.5%; D-31 & Talled wf 100 sxs of Incor Cl "C" + 4%, Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.5%; D-31. TOC @ 2,517' by T.S.					
Perf the Upper SA # 3.212, 13', 23', 25', 37', 38', 39', 40', 41', 42' wf J-JSPF. A Total of 10' Net Perfs & 10 holesAcidize Us # 40', 22' 24' 05.000 gals of 28'8 NE Acid. Divert wf 15 BS. FRMBRKDWN: 3500#, Pmax: 3500#, Pavg: 2300#, Alfr: 4.3 BPM, ISIP: 1850#, 15min: 1800#. 7/11/10? Perfd the P-1 & P-2: P-1 # 3.465', 69', 72', 75', 79', 82' 84', 88' w2' 2-JSPF. A Total of 16' Net Perfs & 16 - 3/8" Holes. P-2 # 3.529', 31', 33', 39', 50', 54', 60', 61' wf 2-JSPF. A Total of 16' Net Perfs & 16 - 3/8" Holes. P-2 # 3.529', 31', 33', 39', 50', 54', 60', 61' wf 2-JSPF. A Total of 18' Net Perfs & 16- 3/8" Holes. Acidized the P-1 & P-2' & 3.65-3,661' wf 10,000 gals of 28'k, LST-NE Acid in 4 Stgs. Diverted wf 30-7/8" RCN BS. FRMBRKDWN: 3300#, Pmax: 3000#, Pmin: 2600#, Alfr: 13 BPM, ISIP: 2100#.  PUMP: NONE  Perforations: San Andres San Andres: P-1 & P-2 & U SA 3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' wf 1-JSPF. U S/ A Total of 10' Net Perfs & 16- 3/8" Holes. CIBP @ 3,350' +10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' wf 2-JSPF. P-2 A Total of 8' Net Perfs & 16- 3/8" Holes. Casing: 107 jts(3,80') of 4-12", 9.5#, 8rd, ST&C Csg. Set @ 3,550'. Cmt'd wf 178' sxs of incor Cl' C" Cmt+12'%, Gel + \$8fex Satt + 11/48/sx Flocale + 0.6%, D-31'. TOC @ 2,517' by T.S.	9/20/82	WL Set a CIBP @ 3.350' - Dump 10' Cmt on Top.		· · · · · · · · · · · · · · · · · · ·	
39; 40'; 41'; 42' wt 1-JSPF. A Total of 10' Net Perfs 8 10 Holes-Addize U SA 1/3 3,212-42' wf 5,000 gals of 28% NE Acid, Divert wt 15 BS. FRMBRXDWN: 3500#, Pmax: 3500#, Pay: 2300#, AIR: 4.3 BPM, ISP: 1850#, 15min: 1800#. 7/11/67 Perfd the P-1 & P-2: P-1 # 3,465; 69', 72', 75', 79. 82', 84', 86' w/2 -JSPF. A Total of 8' Net Perfs & 16 - 3/8' Holes. A cidized the P-1 & P-2 # 3,465: 3,561' wf 10,000 gals of 28% LST-NE Acid in 4 Sigs. Diverted wf 30-7/8' RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2800#, AIR: 13 BPM, ISIP: 2100#.  PPBTD: 3,614' TD: 3,650'  PBTD: 3,650'  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650'  PBTD: 3,650'  PBTD: 3,614' TD: 3,650'  PBTD: 3,650'	0,20,02			THE COURT OF THE C	
8. 10 HolesAcidize U SA #/ 3,212-42" w/ 5,000 gals of 28% NE Acid, Divert wf 15 BS. FRMBRKOWN: 35009, Pmax: 3009, Pmin: 26009, AIR: 13 BPM, ISIP: 2100#.  Pmax: 30009, Pmin: 26009, AIR: 13 BPM, ISIP: 2100#.  Pmax: 30009, Pmin: 26009, AIR: 13 BPM, ISIP: 2100#.  Pmax: 30009, Pmin: 26009, AIR: 13 BPM, ISIP: 2100#.  PDMP: NONE  Perforations: San Andres San Andres San Andres: P-1 & P-2 & U SA A Total of 10 Net Perfs & 10 Holes  CIBP @ 3,350" + 10" Cmt 3,465', 69", 72", 75", 79", 82", 84", 86" w/ 2-JSPF. P-1 A Total of 8" Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650' T					
of 28% NE Acid. Divert w/ 15 BS. FRMBRKDWN: 35008, Pmax: 35008, Pay: 23008, AlR: 4.3 BPM, ISIP: 18508, 15min: 18008. 7/11/67 Perfd the P-1 & P-2: P-1 1/3 .465/, 69/, 72: 75. 79, 82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs & 16-3/8" Holes. P-2 (1) 3.65'), 59/, 72: 75. 79, 82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs & 16-3/8" Holes. Acidized the P-1 & P-2 t/3, 465-3,561' w/ 10,000 gals of 28% LST-NE Acid in 4 Sigs. Diverted w/ 30-7/8" RCN BS. FRMBRKDWN: 3000\$ Pmax: 3000\$ Pmax: 3000\$ Pmin: 2600\$ PMP: NONE  Perforations: San Andres San Andres: P-1 & P-2 & U SA 3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/1-JSPF. A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' +10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,650' TD: 3,650' Cmt'd w/ 175 sxs of Incor Cl' "C" Cmt + 12% Gel +58/8x Sail + 1/44/8x Flocale -0.6% D-31. TOC @ 2,517' by T.S.				Tubina	
3500#, Pavg. 2300#, Pavg. 2300#, AIR: 4.3 BPM, ISIP: 1850#, 15min: 1800#, 7/11/167 Perfd the P-1.8 6-2; P-1.1/3 485°, 69°, 72; 75°, 79°, 82°, 84°, 86° w2 _ 2JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes. Acidized the P-1.8 P-2.1/3 33, 39°, 50°, 54′, 60°, 61° w2 _ 2JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes. Acidized the P-1.8 P-2.1/3 4865-3,561′ w/ 10,000 gals of 28% LST-NE Acid in 4 Stgs. Diverted w/ 30-7/8" RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  PuMP: NONE  Perforations: San Andres San Andres: P-1.8 P-2.8 U SA 3,212°, 13°, 23°, 25°, 37°, 38°, 39°, 40°, 41°, 42° w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350′ +10′ ex 10′					
AIR: 4.3 BPM, ISIP: 1850#, 15min: 1800#.  7/11/67 Perf the P-1 & P-12; P-1 (V) 465, 58; 72; 75; 79; 92; 84', 86' W 2-JSPF, A Total of 8' Net Perfs & 16-3/8" Holes. P-2 (V 3, 529', 31', 33', 39', 50', 54', 60', 61' W 2-JSPF, A Total of 8' Net Perfs & 16-3/8" Holes. Acidized the P-1 & P-2 (V 3, 453-3,561') W 10,000 gals of 28% LST-NE Acid in 4 Stigs.  Diverted w 30-7/8" (CN BS. FRMBRKDWN: 3000#, Pmin: 2800#, AIR: 13 BPM, ISIP: 2100#.  PMR: 3000#, Pmin: 2800#, AIR: 13 BPM, ISIP: 2100#.  Perforations: San Andres  San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/1-JSPF. U SA  A Total of 10' Net Perfs & 10 Holes.  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/2-JSPF. P-1  A Total of 8' Net Perfs & 16-3/8" Holes.  Casing:  10' jts(3,650') of 4-112", 9.6#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of incor Cl' "C" Cmt + 12%, Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4% Gel + 5#/xs Sait + 1/4#/xs Flocele + 0.6% D-31 & Talled w/ 100 sxs of incor Cl' "C" * 4				NONE	
7/11/67 Perfd the P-1 & P-2: P-1 #/ 3.465*, 69', 72', 75', 79', 82', 64', 86' w/ 2_JSPF. A Total of 8' Net Perfs & 16-3/8' Holes. Addized the P-1 & P-2 #/ 3.629', 313', 33', 39', 50', 54', 60', 61' w/ 2_JSPF. A Total of 8' Net Perfs & 16-3/8' Holes. Addized the P-1 & P-2 #/ 3.629', 31', 33', 39', 50', 54', 60', 61' w/ 2_JSPF. A Total of 8' Net Perfs & 16-3/8' Holes.  Diverted w/ 30-7/8'' RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2800#, AIR: 13 BPM, ISIP: 2100#.  PUMP: NONE  Perforations: San Andres San Andres San Andres: P-1 & P-2 & U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2_JSPF. P-1 A Total of 8' Net Perfs & 16-3/8'' Holes.  Casing:  107 jts(3,650') of 4-1/2'', 9.5#, 8rd, ST&C Cag. Set @ 3,650'. Cmt'd w/ 175 sxs of incor Ci 'C' Cmt + 12'%, Gel + 58/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.					
82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8' Holes. P-2 f/3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes. Acidized the P-1 & P-2 f/3,465-3,561' w/ 10,000 gals of 28% LST-NE Acid in 4 Stgs. Diverted w/ 30-78' RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#  Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. A Total of 6' Net Perfs & 16 - 3/8' Holes.  PBTD: 3,614' TD: 3,650'					
16 - 3/8" Holes. P-2 tf 3,529; 31', 33', 39', 50', 54', 60', 61' wf 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes. Acidized the P-1 & P-2 tf 3,465-3,561' wf 10,000 gals of 28% LST-NE Acid in 4 Stgs.  Diverted wf 30-7/8" RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  PDMP: NONE  Perforations: San Andres San Andres San Andres: P-1 & P-2 & U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465, 69', 72', 75', 79', 82', 84', 86' wf 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  NONE  Perforations: San Andres San Andres CIBP @ 3,350' + 10' Cmt 3,465, 69', 72', 75', 79', 82', 84', 86' wf 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing: 107   15t(3,650') of 4-1/2", 9.5#, srd, ST&C Csg.  Set @ 3,550'. Cmt'd wf 175 sxs of incor Cl' "C" Cmt + 12% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & ToC @ 2,517' by T.S.	7/11/67	Perf'd the P-1 & P-2: <b>P-1</b> f/ 3,465', 69', 72', 75', 79',		TOC @ 2,100' by T.S.	
60', 61' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8' Holes. Acidized the P-1 & P-2 if 3,465-3,561' w/ 10,000 gals of 28' LST-NE Acid in 4 Sigs. Diverted w/ 30-778'' RCN BS - FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8'' Holes.  PBTD: 3,614' TD: 3,650' TD: 3,65		82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs &			
3/8" Holes. Acidized the P-1 & P-2 tf 3,465-3,561' wf 10,000 gals of 28% LST-NE Acid in 4 Stgs. Diverted wf 30-7/8" RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2800#, AIR: 13 BPM. ISIP: 2100#  PUMP: NONE  Pump		16 - 3/8" Holes. P-2 f/ 3,529', 31', 33', 39', 50', 54',			
W/ 10,000 gals of 28% LST-NE Acid in 4 Stgs.  Diverted w/ 30-7/8" RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650' TD: 3,		60', 61' w/ 2-JSPF. A Total of 8' Net Perfs & 16 -		7-7/8" Hole	
Diverted w/ 30-7/8" RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U S/A A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650' TD: 3,650		3/8" Holes. Acidized the P-1 & P-2 f/ 3,465-3,561'			
Diverted w/ 30-7/8" RCN BS. FRMBRKDWN: 3000#, Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U S/A A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650' TD: 3,650		w/ 10,000 gals of 28% LST-NE Acid in 4 Stgs.		Rods:	
Pmax: 3000#, Pmin: 2600#, AIR: 13 BPM, ISIP: 2100#.  Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650' TD		· •		NONE	
PUMP: NONE  Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,650'  PBTD: 3,650'  PBTD: 3,650'  TD: 3,650'  PBTD: 3,650'  PBTD: 3,650'  PBTD: 3,650'  PBTD: 3,650'  TD: 3,650'  PBTD: 3,650'  PBTD: 3,650'  PBTD: 3,650'  PBTD: 3,650'  TD: 3,650'  PBTD:					
Perforations: San Andres San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF. P-2 A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing: 107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg. Set @ 3,650'. Cmt'd w/ 175 sxs of incor Cl "C" Cmt + 12% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of Incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.				PUMP: NONE	
San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650'  TD: 3,65		1011. 210011.			
San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650'  TD: 3,65					
San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650'  TD: 3,65					
San Andres: P-1 & P-2 & U SA  3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SA A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,614' TD: 3,650'  TD: 3,65				Deuferstiener Con Andres	
3,212', 13', 23', 25', 37', 38', 39', 40', 41', 42' w/ 1-JSPF. U SAA Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614' TD: 3,650'  PBTD: 3,650'  Casing:  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of Incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of Incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.		<del></del>			
A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt  3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes.  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing:  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed  w/ 100 sxs of incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx  Flocele + 0.6% D-31. TOC @ 2,517' by T.S.				San Andres: P-1 & P-2 & U SA	
A Total of 10' Net Perfs & 10 Holes  CIBP @ 3,350' + 10' Cmt  3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes.  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF. A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing:  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed  w/ 100 sxs of incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx  Flocele + 0.6% D-31. TOC @ 2,517' by T.S.				0.0401.401.001.001.001.001.401.441.401.44.1005	
CIBP @ 3,350' + 10' Cmt 3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-1 A Total of 8' Net Perfs & 16 - 3/8" Holes.  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF. P-2 A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing: 107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg. Set @ 3,650'. Cmt'd w/ 175 sxs of incor Ci "C" Cmt + 12% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.					SA
3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF.  A Total of 8' Net Perfs & 16 - 3/8" Holes.  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF.  P-2  A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing:  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.				A Total of 10' Net Perfs & 10 Holes	
3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF.  A Total of 8' Net Perfs & 16 - 3/8" Holes.  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF.  P-2  A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing:  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.					
A Total of 8' Net Perfs & 16 - 3/8" Holes.  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF.  A Total of 8' Net Perfs & 16 - 3/8" Holes.  PBTD: 3,614'  TD: 3,650'  Casing: 107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of Incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of Incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx  Flocele + 0.6% D-31. TOC @ 2,517' by T.S.			$\geq$	CIBP @ 3,350' + 10' Cmt	
PBTD: 3,614' TD: 3,650'  TD: 3,650'  3,529', 31', 33', 39', 50', 54', 60', 61' w/ 2-JSPF.  A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing:  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of Incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of Incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.				3,465', 69', 72', 75', 79', 82', 84', 86' w/ 2-JSPF. P-	1
A Total of 8' Net Perfs & 16 - 3/8" Holes.  Casing: 107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed  w/ 100 sxs of incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx  Flocele + 0.6% D-31. TOC @ 2,517' by T.S.				A Total of 8' Net Perfs & 16 - 3/8" Holes.	
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TD: 3.650'  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of Incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed  w/ 100 sxs of Incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx  Flocele + 0.6% D-31. TOC @ 2,517' by T.S.					
TD: 3.650'  107 jts(3,650') of 4-1/2", 9.5#, 8rd, ST&C Csg.  Set @ 3,650'. Cmt'd w/ 175 sxs of Incor Cl "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed  w/ 100 sxs of Incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx  Flocele + 0.6% D-31. TOC @ 2,517' by T.S.		DRTD. 2.644		Coning	
Set @ 3,650'. Cmt'd w/ 175 sxs of incor Ci "C" Cmt + 12%  Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed  w/ 100 sxs of incor Ci "C" + 4% Gel + 5#/sx Salt + 1/4#/sx  Flocele + 0.6% D-31. TOC @ 2,517' by T.S.		<del></del>	<b>4</b> K		
Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31 & Tailed w/ 100 sxs of Incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.		1D: <u>3,650</u>			
w/ 100 sxs of incor Cl "C" + 4% Gel + 5#/sx Salt + 1/4#/sx Flocele + 0.6% D-31. TOC @ 2,517' by T.S.					
Flocele + 0.6% D-31. TOC @ 2,517' by T.S.					
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Remarks: State Lease No.: FEE				Flocele + 0.6% D-31. TOC @ 2,517' by T.S.	
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**Spudded:** 7/3/1967