FIELD REPORT FOR CEMENTING OF WELLS

OIL CONSERVATION DIVISION

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	· [<u> </u>	
Location Onit Section Lownship Range Contrigution Drilling C 2 20 $2g$ $2g$ $2g$ Drilling Type of Equipment Rotary Type of Equipment Contractor NVK APPROVED CASING PROGRAM Size of Hole Size of Casing Weight PerferNew or Used Depth Sacks Cemonic 24 ± 20 $94 \pm$ 450 700 700 17 $\frac{13}{2}$ $4g$ 1155 800 $12\frac{14}{2}$ 892 3800 1000 12 $\frac{14}{4}$ $\frac{8}{29}$ $5\frac{15}{2}$ 5000 300 700 Casing Data: Surface joints of $\frac{916}{2}$ $\frac{916}{2}$ $\frac{15}{2}$ 5000 300 700 Casing Data: Size of Casing $\frac{916}{2}$ $\frac{15}{2}$ 5000 300 700 900	Operator hermon, USA fue.			Lease "TK" State				· · ·		
Drilling Contractor NYK Type of Equipment Rotary Witness APPROVED CASING PROGRAM Size of Hole Size of Casing 4 ± 20 Weight PerferNew or Used 94 ± 450 Depth 450 Sacks Cemen 24 4 ± 20 94 ± 450 700 $17/2$ $13.3/3$ 48 1155 800 $12/4$ ± 20 94 ± 450 700 $17/2$ $13.3/3$ 48 1155 800 $12/4$ $\pm 8.5/8$ 3.2 3800 1000 $7/8$ $5.7/3$ 15.5 5000 300 Casing Data: Size of Lquipment 5000 300 Surface joints of $9/8$ inch 32 $6rade \pm .51$ 5000 300 Inspected by MNS Gate $9.7-83$ Gate $9.7-83$ $6rade \pm .55$ Cementing Program Size of Casing $8/6^{47}$ Sacks coment required $Trype of Shoe used guide Float collar used yet Btm 3 jts welded yet TD of hole 3(20)^{-1} Set 3600^{-1} Fact of 8/6^{47} Inch 32^{-2} Grade 4.56^{-2} 7.56^{-2} Plug down 9.3^{-0}O_{-1} (AM) PD Date 9.9.89^{-2} 0^{-1} Cement circulated N0^{-1} (AM) (PM) Date$			· · · · · · · · · · · · · · · · · · ·	J	Townshi	5	Range	County	2	
Drilling Contractor NYK Type of Equipment Rotary Witness APPROVED CASING PROGRAM Size of Hole Size of Casing 4 ± 20 Weight PerferNew or Used 94 ± 450 Depth 450 Sacks Cemen 24 4 ± 20 94 ± 450 700 $17/2$ $13.3/3$ 48 1155 800 $12/4$ ± 20 94 ± 450 700 $17/2$ $13.3/3$ 48 1155 800 $12/4$ $\pm 8.5/8$ 3.2 3800 1000 $7/8$ $5.7/3$ 15.5 5000 300 Casing Data: Size of Lquipment 5000 300 Surface joints of $9/8$ inch 32 $6rade \pm .51$ 5000 300 Inspected by MNS Gate $9.7-83$ Gate $9.7-83$ $6rade \pm .55$ Cementing Program Size of Casing $8/6^{47}$ Sacks coment required $Trype of Shoe used guide Float collar used yet Btm 3 jts welded yet TD of hole 3(20)^{-1} Set 3600^{-1} Fact of 8/6^{47} Inch 32^{-2} Grade 4.56^{-2} 7.56^{-2} Plug down 9.3^{-0}O_{-1} (AM) PD Date 9.9.89^{-2} 0^{-1} Cement circulated N0^{-1} (AM) (PM) Date$	of Well	C	2						day	
Contractor NYK Rotary \star Witness APPROVED CASING PROGRAM Size of Hole Size of Casing Weight Perference or Used Depth Sacks Cemen 24 \star 20 $94 \pm$ 450 700 $17/2$ $13.3/2$ 48 1155 800 $12/4$ \star $8.7/2$ 32 3800 1000 $-77/8$ $5.7/2$ 15.5 $500c$ 300 Casing Data: Surfacejoints of et/s inch 32 $#$ Grade $k.52$ $500c$ 300 Inspected by MS	Duilling				(D				0	
Witness APPROVED CASING PROGRAM Size of Casing Weight Perft New or Used Depth Sacks Commen 24 A 20 94 # 450 700 17 $\frac{1}{2}$ 13 $\frac{3}{8}$ 48 700 17 $\frac{1}{2}$ 155 300 12 $\frac{1}{4}$ $\frac{4}{50}$ $\frac{700}{700}$ 17 $\frac{1}{2}$ $\frac{1155}{300}$ $\frac{1000}{700}$ $12 \frac{14}{4}$ $\frac{4}{50}$ $\frac{3800}{1000}$ $12 \frac{14}{4}$ $\frac{4}{50}$ $\frac{3800}{1000}$ Casing Data: Surface joints of $\frac{91/2"}{1000}$ $\frac{9}{100700}$ $\frac{3800}{1000}$ Casing Data: $9 - 2 - 8^{3}$ Cementing Program Size of Casing $\frac{950'}{200}$ $\frac{9}{100}$ $\frac{9}{100}$ $\frac{9}{100}$ $\frac{9}{100}$ $\frac{9}{100}$ $\frac{9}{100}$ $\frac{9}{100}$ $\frac{9}{100}$ $\frac{9}{100}$										
Size of Hole Size of Casing Weight Perft New or Used Depth Sacks Center 34 + 30 - 94 + 450 - 700 $17 \frac{1}{2} + 3\frac{3}{3} + 48 - 1155 - 800$ $12 \frac{1}{4} + 8\frac{5}{8} - 32 - 3800 - 1000$ $7 \frac{1}{8} - 5\frac{1}{2} - 155 - 5000 - 300$ Casing Data: Surface	houry_									
24 420 $94\#$ 450 700 $17\sqrt{2}$ $13\sqrt{2}$ 48 1155 800 $12\sqrt{4}$ $48\sqrt{5}8$ 32 3800 1000 $7\sqrt{8}$ $5\sqrt{2}$ 15.5 5000 300 Casing Data:Casing Data:Surfacejoints of $8\sqrt{6}$ "inch 32 " Grade $K \cdot 87$ MS date $9 \cdot 9 - 81$ Cementing ProgramSize of hole $11\sqrt{4}$ "Size of Casing $8\sqrt{6}$ "Socks cement requiredType of Shoe used quide Float collar used yetBtm 3 jts welded yetTD of hole 3670° Set 3670° Feet of $8\sqrt{6}$ Thich 33 " Grade $K \cdot 67$ New used csg. @ 3600° Net 3600° Feet of $8\sqrt{6}$ Thich 33 " Grade $K \cdot 67$ Plug down @ 3200° (AM) (PM) Date $9 \cdot 9 \cdot 89^{\circ}$ Cement circulated NoNet. of Sacks -0° Cemented by HalliburtonWitnessed by Mitnessed by Mitnessed by Mitnessed by Consent @ 950° 0.M.Casing test @ (AM) (PM) DateWitnessed by Consent @ 950° 0.M.Casing test @ (AM) (PM) DateWitnessed by Consent $9 \cdot 950^{\circ}$ 0.M.Checked for shut off @ (AM) (PM) DateWitnessed by Consent $9 \cdot 950^{\circ}$ 0.M.Remarks:Witnessed by Consent $9 \cdot 950^{\circ}$ 0.M.	* Witness APPROVED CASING PROGRAM									
$17.1/2$ $13.3/2$ 48 1155 300 $12.1/4$ $\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{\cancel{$						Vew	or Used			
$12.1/4$ $\pm 8.5/8$ 32 3800 1000 $7.1/8$ $5.1/2$ 15.5 5000 300 Casing Data:Surfacejoints of $9.1/4$ " inch 32 " Grade $k.51$ $Approved$ (Rejected)Inspected by M.S.date $9.7.89$ Cementing ProgramSize of hole $11.1/4$ " Size of Casing $8.5/6$ " Sacks coment requiredType of Shoe used quide Float collar used user Btm 3 jts welded yecTD of hole $3670'$ Set $3670'$ Fact of $8.56'$ Tuch 32 " Grade $K.55'$ New used csg. $@.1670'$ with 300 $2.56r$, sacks neat coment around shoe $+ 1300 = sax$ Cl. C										
7 $\frac{7}{8}$ 5 $\frac{7}{2}$ 15.5 5000 300 Casing Data: Surfacejoints of $\frac{97'8'' \text{ inch } 32 = \# \text{ Grade } \frac{K.55}{}$ Opproved (Rejected) Inspected byMSGate $\frac{9.7 \cdot 89}{}$ Cementing Program Size of hole $\frac{12}{44''}$ Size of Casing $\frac{87}{8}$ Sacks coment required Type of Shoe used avide Float collar used yesBtm 3 jts welded yes TD of hole $3(70')$ Set $3(50')$ Feet of $\frac{87}{8}$ Inch $32 = \#$ Grade $\frac{K.55}{}$ New used csg. @ $3(70')$ with $300 32e_{fr}$ sacks neat coment around shoe $\frac{1300}{500}$ (AM) (FM) Date $9 \cdot 9 \cdot 99$ Cement circulated NoNo. of Sacks - O - Cemented by Halliburion										
Casing Data: Surfacejoints of <u>81/2"</u> inch <u>32</u> " Grade <u>K.55</u> Surfacejoints of <u>81/2"</u> inch <u>32</u> " Grade <u>K.55</u> Inspected by <u>M.S.</u> date <u>9.7.89</u> Cementing Program Size of hole <u>11,1/4"</u> Size of Casing <u>85/2"</u> Sacks coment required Type of Shoe used <u>quide</u> Float coliar used <u>yes</u> Btm 3 jts welded <u>yes</u> TD of hole <u>3670'</u> Set <u>3670'</u> Feet of <u>87/2"</u> Inch <u>32</u> " Grade <u>K.55</u> New used csg. @ <u>7670'</u> with <u>300 2007</u> sacks neat coment around shoe + <u>1300</u> sax <u>Cl.C.</u> additives <u>(670 gel., 270 ccc)</u> Plug down @ <u>3:00</u> (AM) (M) Date <u>9.89</u> Cement circulated <u>No</u> No. of Sacks - <u>O</u> - Cemented by <u>Halliburion</u> Witnessed by <u>Mike Stubblefield</u> Temp. Survey ran @ <u>N:00</u> (AM) (PM) Date <u>9.899</u> top cement @ <u>950'</u> <u>D.M.</u> Casing test @ (AN) (PM) Date Method Used (AN) (PM) Date Method used Witnessed by Method used Witnessed by Method used Witnessed by										
Surfacejoints of <u>\u03c876111111111111111111111111111111111111</u>		`		15				5000	300	
ApproveD (Rejected) Inspected by										
Inspected by M.S. date 9-7-81 Cementing Program Size of hole In Y4" Size of Casing 8%" Sacks coment required Type of Shoe used quide Float collar used yer Btm 3 jts welded yer TD of hole 3670' Set 3670' Feet of 8%" Inch 32 " Grade K-55 New used csg. 9.670' with 300 27000 sax Set 3670' + 1300 sax Cl. C. additives (670 gel., 2700 cc.) Plug down @ 3:00 (AM) CM Date 9-8.89 Cement circulated No No. of Sacks -0- Cemented by Malliburton Witnessed by Mike Stubblefield Temp. Survey ran @ 11:00 (AM) CM Date 9-8.89 top cement @ 950' p.M. Casing test @ (AM) (PM) Date Mitnessed by Method Used Witnessed by Method										
Cementing Program Size of hole <u>11/4</u> Size of Casing <u>85/8</u> Sacks coment required Type of Shoe used <u>quide</u> Float collar used <u>yes</u> Btm 3 jts welded <u>yes</u> TD of hole <u>3670</u> Set <u>3670</u> Feet of <u>85/8</u> Inch 32 ²⁴ Grade <u>K-55</u> New used csg. @ <u>7670</u> with <u>300 27000</u> sacks neat coment around shoe + <u>1300</u> sax <u>Cl.C.</u> additives <u>(670 gel., 270 ccc)</u> Plug down @ <u>3:00</u> (AM) CM Date <u>9.8.89</u> Cement circulated <u>No</u> No. of Sacks <u>-0-</u> Cemented by <u>Halliburion</u> Witnessed by <u>Mike Stubblefield</u> Temp. Survey ran @ <u>11:00</u> (AM) CM Date <u>9.8.89</u> top cement @ <u>950'</u> <u>D.M.</u> Casing test @ (AM) (PM) Date Method Used Witnessed by Kemarks:										
Size of hole <u>11/4</u> " Size of Casing <u>8%</u> " Secks coment required Type of Shoe used <u>wide</u> Float collar used <u>vec</u> Btm 3 jts welded <u>vec</u> TD of hole <u>3670</u> Set <u>3670</u> ' Feet of <u>8%</u> Inch <u>32</u> " Grade <u>K-55</u> New used csg. <u>97670</u> with <u>300 270rr</u> sacks neat coment around shoe + <u>1300</u> sax <u>Cl.C</u> additives <u>(670 jel., 270 cc)</u> Plug down <u>3:00</u> (AM) PM Date <u>9.89</u> Cement circulated <u>No</u> No. of Sacks <u>-0-</u> Cemented by <u>Halliburton</u> Witnessed by <u>Mike Stubblefield</u> Temp. Survey ran <u>91:00</u> (AM) PM Date <u>9.8.89</u> top coment <u>950' 0.M</u> . Casing test <u>(AM)</u> (FM) Date Method Used <u>Witnessed by</u> Checked for shut off <u>(AM)</u> (PM) Date Method used <u>Witnessed by</u> Remarks:	Inspected by M.S. date 9-7-89									
Type of Shoe used quide Float collar used yet Btm 3 jts welded yet TD of hole 3670' Set 3670' Feet of 8% Inch 32 " Grade K-55 New used csg. @ 7670' with 300 22000 Sacks neat cement around shoe + 1300 sax Cl.C. additives (670 gel., 270 cc) Plug down @ 3:00 (AM) CM Date 9.8.89 Cement circulated No No. of Sacks - O- Cemented by Halliburion Witnessed by Mike Slubblefield Temp. Survey ran @ [1:00 (AM) CM Date 9.8.89 top cement @ 950' D.M. Casing test @ (AM) (PM) Date Method Used Witnessed by Method used Witnessed by Method used Witnessed by Remarks:	Cementing Program									
Type of Shoe used quide Float collar used yet Btm 3 jts welded yet TD of hole 3670' Set 3670' Feet of 8% Inch 32 " Grade K-55 New used csg. @ 7670' with 300 22000 Sacks neat cement around shoe + 1300 sax Cl.C. additives (670 gel., 270 cc) Plug down @ 3:00 (AM) CM Date 9.8.89 Cement circulated No No. of Sacks - O- Cemented by Halliburion Witnessed by Mike Slubblefield Temp. Survey ran @ [1:00 (AM) CM Date 9.8.89 top cement @ 950' D.M. Casing test @ (AM) (PM) Date Method Used Witnessed by Method used Witnessed by Method used Witnessed by Remarks:	Size of hole 121/4" Size of Casing 35/8" Sacks coment required									
TD of hole 3670' Set 3670' Feet of 8% Inch 32 # Grade K-55 New used csg. @ 7670' with 300 2007 sacks neat coment around shoe + 1300 sax Cl.C. additives (670 tel., 270 cc) Plug down @ 3:00 (AM) (PM) Date 9.89 Cement circulated No No. of Sacks - 0- Cemented by Halliburion Witnessed by Mike Stubble field Temp. Survey ran @ 11:00 (AM) (PM) Date 9-8.89 top cement @ 950' 0.00.000 Casing test @ (AM) (PM) Date Method Used Witnessed by										
New used csg. @ 7670' with 300 2000 sacks neat cement around shoe + 1300 sax Cl.C. additives (670 jel., 270 cc) Plug down @ 3:00 (AM) (PM) Date 9.8.89 Cement circulated No No. of Sacks - 0- Cemented by Halliburion Witnessed by Mike Stubblefield Temp. Survey ran @ [1:00 (AM) (PM) Date 9.8.89 top cement @ 950' 0.M. Casing test @ (AM) (PM) Date Method Used Witnessed by Method used Witnessed by Method used Witnessed by										
+ 1300 sax_cl.c. additives (6% yel., 2% occ) Plug down @ 3:00 (AM) (PM) Date 9.8.89 Cement circulated No No. of Sacks - 0- Cemented by Halliburton Witnessed by Mike Stubblefield Temp. Survey ran @ 11:00 (AM) (PM) Date 9.8.89 top cement @ 950' p.M. Casing test @ (AM) (PM) Date Witnessed by Method Used Witnessed by Method used Witnessed by Remarks:	New used csg. @ 7670' with 300 2% sacks neat cement around shoe									
Plug down @ 3:00 (AM) PM Date 9.8.89 Cement circulated No Cemented by Halliburton Witnessed by Mike Stubblefield Temp. Survey ran @ 11:00 (AM) (PM) Date 9.8.99 top cement @ 950' p.M. Casing test @ (AM) (PM) Date Method Used Witnessed by Method used Witnessed by Witnessed by Remarks:	+ 1300 sax <u>cl.C.</u> additives (670 sel. 270 cc)									
Cemented by Halliburton Witnessed by Mike Stubblefield Temp. Survey ran @[!:00 (AM) (PM) Date 9-8-89 top cement (9 950' 0.M.) Casing test @ (AN) (PM) Date Method Used Witnessed by Checked for shut off @ (AM) (PM) Date Method used Witnessed by Remarks:	Plug down @ 3:00 (AM) (PM) Date 9.8.89									
Temp. Survey ran @ <u> :00 (AM)</u> Date <u>9-8.89</u> top cement @ <u>950' D.M.</u> Casing test @(AM) (PM) Date Method UsedWitnessed by Checked for shut off @(AM) (PM) Date Method usedWitnessed by Remarks:	Cement circulated No No. of Sacks - O-									
Temp. Survey ran @ <u> :00 (AM)</u> (AM) (PM) Date <u>9-8.89</u> top cement (<u>950' p.m.</u> Casing test (AM) (PM) Date Method Used (AM) (PM) Date Checked for shut off ((AM) (PM) Date Witnessed by Method used (Witnessed by)										
Casing test @ (AN) (PM) Date Method Used Witnessed by Checked for shut off @ (AM) (PM) Date Method used Witnessed by Remarks:										
Method UsedWitnessed by Checked for shut off @(AM) (PM) Date Method usedWitnessed by Remarks:				-						
Checked for shut off @ (AM) (PM) Date Method usedWitnessed by Remarks:										
Method usedWitnessed by Remarks:	Checked for shut off $\hat{\omega}$ (AN) (PN). Date									
Remarks:	We thod usedWitnessed by									
no centralizers every joint off bottom.										
no centralizers every joint off bottom.										
no centralizers every joint off battom.	,	· · · · · · · · · · · · · · · · · · ·								
20 centralizers every joint off bottom.	ka		<u></u>							
	20 centralizers	every	pint off b	allom.	<u>_</u>					