				· · · · · · · · ·		
.	Submit 3 Copies To Appropriate District Office	State of	f New Mexico	Form C-103		
-	District I		s and Natural Resources	May 27, 2004		
	1625 N. French Dr., Hobbs, NM 88240			WELL API NO.		
	District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSER	VATION DIVISION	<u>30-025-37384</u>		
	District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 Sout	h St. Francis Dr.	5. Indicate Type of Lease STATE X FEE		
	District IV	Santa F	e, NM 87505	6. State Oil & Gas Lease No.		
	1220 S. St. Francis Dr., Santa Fe, NM 87505					
İ	SUNDRY NOT	ICES AND REPORTS C	ON WELLS	7. Lease Name or Unit Agreement Name		
	(DO NOT USE THIS FORM FOR PROPO	SALS TO DRILL OR TO DEP	EPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Vacuum Abo Unit		
	PROPOSALS.)	DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)				
		Gas Well 🗌 Other		8. Well Number 21		
	2. Name of Operator	ips Company		9. OGRID Number 217817		
	3. Address of Operator P. O. Box	ps Company	· · · · · · · · · · · · · · · · · · ·	10. Pool name or Wildcat		
	Houston,	TX 77252				
	4. Well Location			Vacuum: Abo Reef		
		1290 feet from the	N line and 40	5 feet from the W line		
	Section 4	Township 18		NMPM CountyLea		
			hether DR, RKB, RT, GR, etc.			
		3948 GR				
	Pit or Below-grade Tank Application D					
	Pit type Depth to Groundw			stance from nearest surface water		
Į	Pit Liner Thickness: mil	Below-Grade Tank: V		onstruction Material		
	12. Check A	Appropriate Box to In	ndicate Nature of Notice,	Report or Other Data		
	NOTICE OF IN		SUE	SEQUENT REPORT OF:		
	PERFORM REMEDIAL WORK	PLUG AND ABANDON				
	TEMPORARILY ABANDON	CHANGE PLANS				
	PULL OR ALTER CASING	MULTIPLE COMPL				
	OTHER:		OTHER:			
-		leted operations. (Clearl	v state all pertinent details an	ad give pertinent dates, including estimated date		
	of starting any proposed we or recompletion.	ork). SEE RULE 1103.	For Multiple Completions: A	ttach wellbore diagram of proposed completion		
	-	previous electronically s	ubmitted casing setting report	as requested by Donna Mull. Attached is		
				mt. of cmt. of cmt. nt. 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 10 1		
	Surface casing: 17.5" hole size, 13.	375" 54.5# J-55 casing s	et at 1609' with 1590 sxs of c	mt. 20212 - 6121		
	Intermediate(1) casing: 12.25" hole	e size, 8.625" 24# J-55 ca	asing set at 897' with 910 sxs	of cmt.		
	Intermediate(2) casing: 12.25" hole Production casing: 7.875" hole size	: 5.5" 17# J-55 casing se	ising set at 4594' with 910 sxs	of cmt.		
	Production casing: 7.875" hole size	e, 5.5" 15.5# J-55 casing	set at 6827' with 290 sxs of cr	nt.		
	Production casing: 7.875" hole size	, 5.5" 17# J-55 casing se	t at 9071' wtih 290 sxs of cmt			
				-20168199		
l g	nereby certify that the information a grade tank has been/will be constructed or	above is true and comple closed according to NMOCD	te to the best of my knowledg guidelines 🗌, a general permit 🔲	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan .		
	SIGNATURE Zolanda		TITLE Sr. Regulatory Special			
		8	<u>-</u> <u>-</u>	DIT[]_00/07/2000		
	Type or print name Yolanda Perez For State Use Only	\mathbf{C}	E-mail address: yolanda.perez	z@conocophillipsRedephone No. (832)486-2329		
1				JUN 2 9 2006		
	APPROVED BY:	che	TIPEFROLEUM ENGINEER			
	Conditions of Approval (if any):	0		DATE		

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API #: 30-2025-5784/ Location: 7584 Spaint S		· · ·		:	
API 4: 30225-3734	onocoPhillips		END OF WELL	<u>SCHEMATIC</u>	
AP # 1 32625-37364 Det 77 Max 402 PNAL Location: 1207 Sec. 4-1185-R392 Det 77 Parabase 12 Elevation: 3346 CL To charter 14 above Club Researe D1 ft by: 20 Date: 71 BR RRS: 19 Wave Club To charter 14 above Club Researe D1 ft by: 20 Date: 71 BR RRS: 19 Wave Club Date: 71 Babby Club Researe D1 ft by: 20 Date: 71 BAB Section Date: 71 Babby Club Researe Trace: 20 Date: 71 Babby Club Date: 71 Babby Club Researe Trace: 20 State: 13.200 n Babby Club Researe Trace: 20 TO CC: 300FFACE Clag Shoe: 1500 ft To chart: 1500 ft TO CC: 300FFACE Clag Shoe: 1500 ft To chart: 1500 ft TO CC: SURFACE Clag Shoe: 1500 ft Displacement: 24.20 Note State: 52.20 Note Pup (g) ft Researe for 100 on % Top of Flaat Colar: 4500 ft Displacement: 24.20 Note State: 52.20 Note Pup (g) ft TO CC: SURFACE Clag Shoe: 100 ft Calar: 4500 ft Displacement: 24.20 Displace	Well Name: Vacuu	m Abo 13-21		•	Grave Welf Dires
Location: 1200 FNL & 400 FNL Seud These 1 Sec. 11 195 R352 Lea County, MM Files DR R49 Plant Dr Restott, 44, 45, 25 Plant Dr Restott, 44, 45 Files RKB: 17 adore Ground Lovel Lea County, MM Files RKB: Plant Dr Restott, 44, 45 Data to Dr Ref RKB: 17 adore Ground Lovel Lea County, MM Files RKB: Plant Dr Ref RKB: P				1 a.e.	
Size 4. T165 - T185E Data TD Reached: 4.3 Elevation: 3946 CL 13-36" x 13-56" 3M SH2LWR COM Casing Heat Release D1 Rig: -0.5 Tig NRE: 17.3 acting 1. acting	Location: 1290'	FNL & 405' FWL		1 I I	
Less Courty, MM Debes to Total: Defense Total: Setters Display 19-367 x 13-667 3M SH2.LWR SOV Casing Head Referent Time: S 19-367 x 13-667 3M SH2.LWR SOV Casing Head Date cmtc: S S 19-367 x 13-667 3M SH2.LWR SOV Casing Head Date cmtc: S S 19-367 x 13-667 3M SH2.LWR SOV Casing Head Date cmtc: S S 19-367 x 13-667 3M SH2.LWR SOV Casing Head Date cmtc: S S 19-367 x 13-667 3M SH2.LWR SOV Casing Head Date cmtc: S S 19-367 x 13-667 3M SH2.LWR SOV Casing Head Date cmtc: S S 19-367 Amage Date set: 3-367 x 13-667 3M SH2.LWR SOV Casing Head Date cmtc: S 19-37 Casing Gasing Mode Med Height X New S S 10-0 bx Stati 100 from Casing Theo Stati 100 fro			· · · ·		······································
If tig RKS: 19 above 6000000000000000000000000000000000000				ξ. μ	Release Dri Rig: 9-Jan-05
Datum: Dr. Rig RKB = 19 above GL Xive Size 1330 in Date set: 30-Nov-05 Used Size 1330 in Bate critic Date critic 02-Nov-06 W1 54.5 prf Grade 155 Class 150 02-Nov-06 W1 54.5 prf Grade 155 Class 150 02-Nov-06 FOO: Size 17.12, in Comp Size 1500, ft TO of 17-172 in 0 1632, ft 1632, ft TO.C. SURFACE TO of 17-172 in 0 1632, ft 170 Citrax (0:12 loog) 121 Citrax 74 Citra (0:12 loog) Size 0.310 n 100 loc X Citras 100, ft To of 17-172 in 0 100 loc X Citras 100, ft 100 loc X Citras 100, ft 220 lob ft Size 0.310, in To of 17-172 in 0 Used 122, ft 222, ft 100 loc X Citras 100, ft Size 0.321, ft To of 17-172 in 0 Used 122, ft 222, ft 100 loc X Citras 100, ft Size 0.320, ft 100 ft 0-0 pups ft 100 ft 100 ft W1 232, ft ft 100 ft 100 ft 100 ft Size			13-3/8" x 13-5/8" 3	M SH2-LWR SOW	· · · · · · · · · · · · · · · · · · ·
face 2 gaing Date set: 30-Nov-06			•		
Ease Casing Date set: 93-Nov-05 Used Size 1334 in 1005 it it<	Datum. Di Rig	RKB = 19 above GL			
Size 13.06 in	face Casing	Date set: 30-Nov-05			
Seata 1600 # # 155 Hole Size 17 102 in Cond 355 Excess Cmt 100 % Cag Shee 1600 ft T.O.C. SURFACE Disconting the surface 100 ft VM. 32.2.2.4.0 pf Grade 1.55 ft WO.C. for 9.50 ft Pup @ ft T.O.C. SURFACE Bottom Grade 50.11 ft 1.1000 W.M. 22.2.2.4.0 pf Grade .455.11 ft 1.1000 ft Pup @ ft T.O.C. SURFACE Bottom Grade					
Wit <u>94.5</u> perf. Grade <u>1.950</u> Hole Size <u>1.171/2</u> in Cong. STC FOR Cassion Thread Cog Shoe 1000 ft T.O.C. <u>SURFACE</u> Cog Shoe 1000 ft T.O.C. <u>SURFACE</u> Cog Shoe 1000 ft T.O.C. <u>SURFACE</u> Cog Shoe 1000 ft To of 17-112* hole 1625 ft 1000 ft To of Float Collar 1600 ft 242.0 block register flakes Displacement 240.0 block register flakes 220.0 block register flakes To of Size 11/1 in Con Brd Used 1000 ft Size 4 650 ft To of 720 ft 1000 ft Pup @ ft TD of 12-114* Hole 650 ft 1000 ft Size 5 5100 ft 2000 Antifoaner 1000 ft 1000 ft You @ ft TD of 12-114* Hole 650 ft 1000 ft 1000 ft Size 5 5100 ft 000 ft 1000 ft 1000 ft 1000 ft 1000 ft Size 5 5100 ft 000 ft 1000 ft 1000 ft 1000 ft 1000 ft					
Hole Size 17.12_in ConSTC_ Excess Crit 100_% TO of 17.102 hole 1500 ft TO of 17.102 hole 1525 ft 170 of 178.125 hole 127.011 ft Top of Float Collar_1500 ft Top of Float Collar_1500 ft 128.011 ft 1.010 ft Top of Float Collar_1500 ft Top of Float Collar_1500 ft 100 ft 1.010 ft 1.010 ft Size 6.560 in 107 jts Used 1.020 st 1.021 ft 1.020 st Size 6.560 in 107 jts Used 1.010 st 1.010 st <td< td=""><td>Wt. 54.</td><td></td><td></td><td></td><td></td></td<>	Wt. 54.				
Excess Crit 100 % T.O.C. SURFACE Csg Shoe _1009 ft T.O.C. SURFACE TO of 71-712° hole 1265 ft Top of Float Collar_1550 ft Top of Float Collar_1550 ft Diplacement: 244.0 bls ft Stata 4364 ft 0 Diplacement: 224.0 bls ft Most Stata 4364 ft 0 pops Returns to surface: 220.0 bls W.V. 324.24 pp f Or for of Float Collar_455 ft Yes W.O.C. for 950 hts (say surps tests) No Steat 4364 ft 0 pops Materatic 11-Dec0 W.V. 324.24 pp f Grade 4-55 Hole Stee 100 hts Poysteat fistes 120 os 3365 pc:Class C T.O.C. SURFACE Bottom of Casing Shoe 4594 ft 120 os 3365 pc:Class C 100 hts Poysteat fistes T.O.C. Strata 4307 ft 11 pops 14 11-Dec0 Steat 4307 ft 1 pops 1 100 hts Poysteat fistes 1 T.O.C. Steat 6172 in 1 pops 1 1 Dole Casis 1 Ste	Hole Size 17 1	/2 in Conn STC			
Excess Critt 100 % T.O.C. SUFFACE Csg Shoe 1600 ft T.O.C. SUFFACE Csg Shoe 1600 ft T.O.C. SUFFACE Top of Float Collar 1625 ft T.O.C. SUFFACE Cast International Collar 1620 ft T.O.C. SUFFACE Cast International Collar 1620 ft T.O.C. SUFFACE Cast International Collar 220 blob Stat at 4664 0 pups ft TO of 12/14" Hole 4516 ft Pup @ ft TD of 12/14" Hole 4516 ft 100 bloc 11/04: ft 110/04 Stat at 2071 ft TD of 12/14" Hole 4516 ft 100 bloc 11/04: ft 100 bloc 11/04: ft Pup @ ft TD of 7/76" Hole 4516 ft 100 bloc 11/04: ft 100 bloc 11/04: ft Pup @ ft TD of 7/76" Hole 4516 ft 100 bloc 11/04: ft 100 bloc 11/04: ft Pup @ ft TD of 7/76" Hole 100 bloc 11/04: ft 100 bloc 11/04: ft 100 bloc 11/04: ft </td <td>. •</td> <td></td> <td></td> <td></td> <td></td>	. •				
1.0.C. SURFACE C cg Shoe 1600 ft TD of 17-12* hole 1625. ft Top of Float Collar 1625. ft Top of Float Collar 1650 ft Displacement: 244.0 bbls ft Bumped Plug at 22.25 F Final Cine Press: Returns during job: YES YES Oktown State 8.56 in 100 plups W0.2. ft 0 plups W0.2. ft 0 plups W0.2. ft 0 plups W0.2. ft 0 plups W1. 52.8 24. pp 0 Grade _455. ft Pup @tt TD of 12-1/4* Hole 4615. ft Pup @tt 10 of 12-1/4* Hole 4615. ft Pup @tt 10 of 12-1/4* Hole 4615. ft Pup @tt 11 of 12-1/4* Hole 4615. ft W1. 155.8 417 ppd France 1.455. Hole Size 7.778. in ConnITC Hole Size 7.778. in ConnITC State 4.907.1 Hole Size 7.778. in ConnITC TD of 7-7/8* Hole 9100. ft Harker Jt @tt 10 of 7-7/8* Hole 9100. ft Hole Size 7.778. in the Pup @tt ft TD of 7-7/8* Hole 9100. ft 110 of 7-7/8* Hole 9100. ft Harker Jt @tt 120 of 7-7/8* Hole 9100. ft Harker Jt @tt 1					
Top of Float Collar 1550 ft Displacement: 244.0 bils free Bumped Plug at: 22.25 ft Final Circ Press: Returns during job: YES Returns during job: YES W 0.C. for 9.50 hrs (plug kump to tears) W 1.22.8.24 ppf Grade Hedi: Yes W 0.C. for 9.50 hrs (plug kump to tears) W 0.C. for 9.50 hrs (plug kump to tears) Stat at 4394 ft 22.8.24 ppf Hole Size 12.11/4 in TO O.C. SURFACE Bottom of Casing Shoe 4594 ft Pup @ ft VL 155.8 AT ppf Grade _455 ft Dide sce 7770 in Cord Stat _970 in <td>T.O.C. <u>SURF</u></td> <td></td> <td></td> <td>'n</td> <td></td>	T.O.C. <u>SURF</u>			'n	
Displacement: 244.0 bbls fre Bumped Plug at: 222.5 Plug at: mediate Casing Date set: 10-Dec-05 X New Size 8.50 in 107. jts Used Size 8.50 in 107. jts Used W0.2. Cr 9.50 Prs (sup bump to test cs Size 1.456.4 ft 0. pups W0.2. Size 1.2114 in Com T.O.C. SUPFACE Bottom Casing Shoe 4584. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4615. ft Pup @ ft TO of 12-114' Hole 4015. ft Pup @ ft TO of 12-114' Hole Stat @<					+ 0.10 lb/sx Polyester flakes
mediate Casing Date set: 10-Dec-05 X New Size 8.5/8 in 107 its Set at 4.594 ft 0 pups Wt. 32.8.24 ppf Grid Circ Press: 0 Sizes cm 100 % Top of Float Colar 4500 ft Y.O.C. SURFACE Bottom of Casing Shoe 4594 ft 11-Dec-0 Pup @ ft TD of 12-1/4* Hole 4515 ft Pup @ ft TD of 12-1/4* Hole 4515 ft Pup @ ft TD of 12-1/4* Hole 4515 ft Pup @ ft TD of 12-1/4* Hole 4515 ft Pup @ ft TD of 12-1/4* Hole 4515 ft Bisco T7/8 ft 1 pups Tall : 320 xcliss C Cement + 0.2% Antificamer -0.11b/sx Polysett fikes -0.11b/sx Polysett fikes - 1.10 ks Zordiss G Casing Shoe 9071 <ft< td=""> ft 33.00% zcliss C Casing Shoe Barker Jt@ ft axker Jt@ ft 200 kn ft Barker Jt@ ft <td< td=""><td></td><td>Top of Float Collar</td><td><u>1560</u> ft</td><td></td><td></td></td<></ft<>		Top of Float Collar	<u>1560</u> ft		
mediate Casing Date set: 10-Dec-05 X New Size 8.6/8 in 107 jis Used Size 8.6/8 in 107 jis Used W1 32.6 8.6/8 in 107 jis Used W1 32.6 8.6/8 in 0 pups W.O.C. for 9.50 hts days bump to test or W1 32.6 8.74 prode 1.55 Hoe Size 1.10-Dec-05 1.10-Dec-05 Scoses Cm 100 % Top of Float Colar 4.550 ft 1.10-Dec-05 Scoses Cm 100 % Top of Float Colar 4.550 ft 1.10-Dec-05 Scoses Cm 100 % Top of Float Colar 4.551 ft 1.00-Scoses Cm 1.00-Scoses Com 1.00-Scoses Cm					Displacement: 244.0 bbls fresh wt
mediate Casing Date set: 10-Dec-05 INew Size 8.68 in 107 Wit 328.84 10 pups Wit 328.84 10 pups Wit 328.84 100 55 Size at 300 75 Too of Float Colar 4550 Nos Size 121/4 in Conn Bd Size 35.65 TOC. SURFACE Bottom of Casing Shoe 4554 1 Pup @ ft To of 12.1/4" Hole 4615.ft Pup @ ft To of 12.1/4" Hole 4615.ft Pup @ ft Dot for 110 of 12.1/4" Hole 4615.ft Pup @ ft 215.01% (21.4 pg) Tatker Jt @ ft 217.01% Size 5 112. in 217.01% Size 5 112. in 218.01% Size 5 717.8 ft Bottom of Casing Shoe 9071 ft To C. (est) Bottom of Casing Shoe 9071 Barker Jt @ ft Bottom of Casing Shoe 9071 ft Bottom of Casing Shoe 9071 ft Barker Jt @ ft Did 77.76" Hole 91000 ft					
madiato Casing Date set: 10-Dec-05 X New Size 8.5/8 in 107 jts Used Wit 2.6.242 pp (rade 1-55 Hole Size 12.114 in Conn Brdt Wit 2.6.242 pp (rade 1-55 Hole Size 12.114 in Conn Brdt Wit 0.5.6 Bottom of Casing Shoe 4594 ft TD of 12.1/4" Hole 4515 ft Pup @ ft TD of 12.1/4" Hole 4515 ft 10.116x Hole Size 1.11.202 ox Class C -26% Satt -20% Antiloamer -4.0% Antiloamer -0.0% Antiloamer -0.0% Antiloamer -4.0% Antiloamer -0.0% Antiloamer -4.0% Antiloamer -0.0% Antiloamer -4.0.1% Antiloamer -0.0% Antiloamer -0					
Imaginate Casing Date set: 10-Dec-05 X New Size <u>65/8</u> in 100_fts Used WO.C. for <u>950</u> hrs (up up to bate Net) WO.C. for <u>950</u> Hold Size <u>1214</u> in Conn Brd <u>11-Dec0</u> Excess Crit 100 % Top of Float Colar <u>4550</u> ft Pup @ ft TD of 12-1/4" Hole <u>4615</u> ft <u>+9% Satt</u> Pup @ ft TD of 12-1/4" Hole <u>4615</u> ft <u>+9% Satt</u> Wt <u>15.5 & 172</u> in <u>217_16</u> <u>11-Dec0</u> <u>11-Dec0</u> Wt <u>15.5 & 172</u> in <u>217_16</u> <u>11-Dec0</u> <u>11-Dec0</u> Wt <u>15.5 & 172</u> in <u>217_16</u> <u>11-Dec0</u> <u>11-200 xx 3666</u> <u>215 Out/5x (@ 124 ppg</u> Hole Size <u>5172</u> in <u>217_16</u> <u>11-Dec0</u> <u>11-Dec0</u> Size a <u>9071</u> ft <u>11-Dec0</u> <u>11-Dec0</u> <u>11-Dec0</u> <u>11-Dec0</u> Not istaked:					
mediate Casing Date set: 10-Dec-05 X New Size 85/8 in 107 Its Used W1 23.850 ft 0 pups Date set: 10-Dec-05 Hole Size 12.144 in Conn Bit Date set: 11-Dec-0 Y0.0C. for 38.50 fts: Date set: 11-Dec-0 Lead:: 1500 sx 35:65 Poz.Class C Y0.0C. for 38.50 fts: To of 12-1/4" Hole 4550 ft Y0.0C. for 38.50 fts: 11-Dec-0 Lead:: 1500 sx 35:65 Poz.Class C Y0.0E ft TD of 12-1/4" Hole 4515 ft 10-Dec-05 Y0 Y1.0E Size 5172 in 215 cuffax (@ 12.4 ppg Tail: 230 sx Class C Cement Y0.15.5 & Tr ppf Grade _4.55 Used Used Used Used Used Used Yes Size for the set for the					
massate value 20 allo set: 10-0ec-05 X New Size 5678 in 10 pips Wi 32.8 24 ppf Grade J-55 Hole Size 12.114 in Comment 11-Dec-0 Screes SCmt 100 % Top of Float Collar 4550 ft Pup @ ft TD of 12-1/4" Hole 4615 ft + 5% Salt + 6% Bentonite gel + 0.00 ft TD of 12-1/4" Hole 4615 ft + 0.00 % Bentonite gel + 0.00 % Bentonite gel + 0.01 bize scies 2-112 in 21.7 jts Used 11-Bace Others ftakes Stet at 9071 ft 1 pups ftall : 32.02 scies C Cement + 0.11 bizks Polyester flakes 1.0.0.1 ftarker Jt@ marker Jt@ 778 in Comment -0.11 bizks Polyester flakes 1.0.0.2 ftarker Jt@ Bottom of Casing Snee 9071 ft Bottom of Casing Snee 9071 scies (30.0 ft TD of 7-7/6" Hole 9100 ft arker Jt@ Bottom of Casing Snee 9071<					
Size <u>8.66</u> in <u>107</u> jts Used Set at <u>45694</u> ft 0 pups Hole Size <u>12.144</u> in Conn Brit Date cmt1: <u>11-Dac-0</u> Pup @ ft TO O.f Ioat Colar <u>4550</u> ft +5% Sat	mediate Casing	Date set: 10-Dec-05	XNew		
Set at 4594 ft 0 pups Wit 32.8.24 ppf Grade J-55 Excess Cmt 100 % Top of Float Collar 4504 ft Pup @ ft TD of 12-1/4" Hole 4615 ft Pup @ ft TD of 12-1/4" Hole 4615 ft Pup @ ft TD of 12-1/4" Hole 4615 ft Pup @ ft TD of 12-1/4" Hole 4615 ft Pup @ ft TD of 12-1/4" Hole 4615 ft Size 51/2 in 217 jts Displacement 215 0/15/82 Polysetin flakes 100 Size 51/2 in 217 jts Used 0 Displacement 215 Displacement 215 Displacement 210 Displacement 215 Displacement 215 Displacement 216 Displacement 216 Displacement 217 Displacement 216 Displacement 216 Displacement 216 Displacement 216 Displacement 217 Displacement	Size 8 5/				VV.O.C. IOI IIS (plug bump to test csg)
With 32 & 24 / ppf Grade55 Date emtt: 11-Dec0 Excess Cmt 100 % Top of Float Collar550_ ft T.O.C. SURFACE Bottom of Casing Shoe6554_ ft + 6% Bentonite gel Pup @ft TD of 12-1/4" Hole615_ ft + 0.02% Antifoamer + 0.02% Antifoamer + 0.02% Antifoamer + 0.02% Antifoamer + 0.01% Antifoamer - 0.01% Antifoamer + 0.02% Antifoamer + 0.1% Polyester flakes - 0.1% Polyester flakes - 0.1% Antifoamer + 0.1% Polyester flakes - 0.1% Antifoamer - 0.1% Polyester flakes - 0.1% Antifoamer - 0.1% Polyester flakes - 0.1% Polyester flakes - 0.1% Polyester flakes - 0.1% Antifoamer - 0.1% Polyester flakes - 0.01% Antifoamer - 0.1% Polyester flakes - 0.1% Polyester flakes - 0.01% Antifoamer - 0.1% Polyester flakes - 0.1% Polyester flakes - 0.01% Antifoamer - 0.1% Polyester flakes - 0.1% Polyester flakes - 0.01% Antifoamer - 0.1% Polyester flakes - 0.1% Polyester flakes - 0.01% Polyester flakes - 0.1% Polyester flakes - 0.1% Polyester flakes - 0.01% Polyester flakes - 0.1% Polyester flakes - 0.1% Polyester fl	Set at459	4 ft pups			Intermediate Cement
Hole Size 12.14 in Com_Brd_ Top of Float Coltar 4550 ft Scess Cmt 100 % Top of Float Coltar 4550 ft Pup @ ft TD of 12.1/4" Hole 4615 ft Pup @ ft TD of 12.1/4" Hole 4615 ft Pup @ ft TD of 12.1/4" Hole 4615 ft Pup @ ft TD of 12.1/4" Hole 4615 ft Size 5.1/2 in 217 in 220 sc Class C Cement +0.20% Antifoamer +0.1b/sx Polyester flakes 2.16 cuffsx @ 12.4 pcp Tail : 320 sc Class C Cement +0.1% Polyester flakes 1.33 cuffsx @ 14.4 pcg 1.33 cuffsx @ 14.4 pcg Bottom of Casing Shoe 9071 ft pops Used 1.33 cuffsx @ 14.4 pcg Harker Jt @ ft TD of 7.7/6" Hole 9100 ft Float Hetz X Yes NW Harker Jt @ ft TD of 7.7/6" Hole 9100 ft Eds at 0.2% x Diffact CemPLUS BLI +0.3% Antifoamer +0.3% Antifoamer +0.3% XIttaA +0.3% Unflac +0.3% XIttaA 1.98 cuffsx @ 10.43 pcg Tarker Jt @ ft TD of 7.7/6" Hole 9100 ft Tail : 190 sss PVL cmt Harker Jt @ ft TD of 7.7/6" H	Wt. <u>32 &</u>	24 ppf Grade J-55			
excess Unit100% Top of Float Collar _4550_ft Pup @ft Bottom of Casing Shoe _4594_ft Pup @ft TD of 12-1/4" Hole _4615_ft Pup @ft TD of 12-1/4" Hole _4615_ft uction Casing: Date set: _8-Jan-05					
Pup @ ft TD of 12-1/4" Hole 100 refaining get Pup @ ft TD of 12-1/4" Hole 4015 ft Pup @ ft TD of 12-1/4" Hole 4015 ft uction Casing: Date set: 8-Jan-05 X New Size 51/2 in 217 jts Wt 15.5 & 17 props Used Burned Plug at DID NC Final Circ Press: 500 ps Kreat U @ 7393 ft Float Side: Yes N Iarker Jt @ ft TD of 7-7/8" Hole 9100 ft Float Side: 8-Jan-06 Iarker Jt @ ft Date ontd: 8-Jan-06 1-0.3% Unifac -0.3% Unifac -0.3% Un					
Pup @ft Luction Casing: Date set:					+ 6% Bentonite gel
Luction Casing: Date set: 8-Jan-05 X New Size 5 1/2 in 217 jts Used Wit 15.6 817 ppg Grade J.55 biplacement 281.5	Pup @	ft TD of 12-1/4" Hole_	<u>4615</u> ft		+ 0.20% Antifoamer
tuction Casing: Date set: 8-Jan-05 X New Size 5 1/2 in 217 jts Used Wt 15.5 & 17 port pups 1.33 cdf/sx @ 14.8 ppg Wt 15.5 & 17 port port port Hold Size 57/8 in Conn LTC Excess Crmt 50 % Top of Float Collar 9026 ft Barker Jt @ 7393 ft TD of 7-7/8" Hole 9100 ft Barker Jt @ ft TD of 7-7/8" Hole 9100 ft Barker Jt @ ft TD of 7-7/8" Hole 9100 ft Barker Jt @ ft TD of 7-7/8" Hole 9100 ft Barker Jt @ ft D of 7-7/8" Hole 9100 ft Barker Jt @ ft D of 7-7/8" Hole 9100 ft Barker Jt @ ft D of 7-7/8" Hole 9100 ft Barker Jt @ ft D of 7-7/8" Hole 9100 ft Barker Jt @ ft D of 7-7/8" Hole 9100 ft </td <td>Fup @</td> <td>π</td> <td>·</td> <td></td> <td>+0.1 lb/sx Polyester flakes</td>	Fup @	π	·		+0.1 lb/sx Polyester flakes
tuction Casing: Date set: 8-Jan-05 X New Size 5.1/2 in 217 jts Used Set at 9071 ft 1 pups Wt. 15.5 & 17 pif Grade J-55 Hole Size 77.78 in Conn LTC Sceass Cmt 50 % Top of Float Collar 9026 ft T.O.C. (est) Bottom of Casing Shoe 9071 ft Floats Held: X Yes NW Marker Jt @ 7333 ft TD of 7-7/8" Hole 9100 ft Returns to surface: 100 bbls Arker Jt @ ft ft Asker Jt @ ft Batker Jt @ Batker Jt @ Date cmtd: 8-Jan-06 Lead : 680 sx5 D961cmt (CemPLUS BLI + 0.2% Antifoamer + 0.3% Uniflac + 0.3% Uniflac + 0.2% Antifoamer + 0.3% Uniflac - 0.3% Uniflac + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% Antifoamer - 0.2% SE114A 1.88 cuffvs: @ 13.2 ppg 1.88 cuf					
Juction Casing: Date set: 8-Jan-05 X New Size 5.172 in 217 jts Used Wit 15.5 & 17 ppups Used Displacement: 281.5 bbls Hole Size 7.7/8 in Conn LTC Burged Plug at: DID NC Final Circ Press: 500 ps Top of Float Collar 9026 ft Bottom of Casing Shoe 9071 ft Tarker Jt @ ft TD of 7-7/8" Hole 9100 ft Harker Jt Yes N Harker Jt @ ft TD of 7-7/8" Hole 9100 ft Bate ont dt S-Jan-06 Lead: 680 sxs D861 cmt (CemPLUS BLI +0.3% Unifiac +0.3% Unifiac +0.2% Antifoamer +0.3% Mulfiac +0.3% Mulfiac +0.2% Antifoamer +0.2% Antifoamer +0.2% Antifoamer +0.2% Antifoamer +0.2% Antifoamer +0.2% Antifoamer +0.2% XE 114A 1.68 cuffys @ 13.2 ppg Displacement: 212 bbls Burged Plug: YES Final Circ Press: CMT Returns to surface: CMT Returns to surface:					
Juction Casing: Date set: 8-Jan-05 X New Size 51/2 in 217 jts Used Wt 15.5 & 17 ppf Grade J-55 JDID NC Wt 15.5 & 17 ppf Grade J-55 JDID NC Final Circ Press: 500 ps OD po fFloat Collar 9026 ft Bottom of Casing Shoe 9071 ft TD of 7-7/8" Hole 9100 ft Floats Helt: X Yes TARker Jt @ ft TD of 7-7/8" Hole 9100 ft Floats Helt: X Yes NW V0.O.C. for 33.50 hrs (plug bump to test explaned) Tot of 23.50 hrs (plug bump to test explaned) Production Cement Tarker Jt @ ft TD of 7-7/8" Hole 9100 ft Tot of 23.50 hrs (plug bump to test explaned) ft 12.60 Mit Mater ft B-Jan-06 Lead: 680 explaned 8-Jan-06 Lead: 680 explaned 8-Jan-06 Lead: 630 sxp D96/tort (CemPLUS BLf 10.3% Unfilac +0.2% Antifoamer +0.3% Unfilac +0.2% Antifoamer +0.2% Antifoamer +0.2% Antifoamer +0.2% Antifoamer <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Utter Casing: Date set: 8-Jan-05 X X New Size 5.1/2 in 217 jts Used Wt 15.5 & 17 ppf Grade J-55 Hole Size 77/8 in Conn LTC Kicess Cmt 50 % Top of Float Collar 9026 ft T.O.C. (est) Bottom of Casing Shoe 9071 ft To of 7-7/8" Hole 9100 ft larker Jt@ ft TD of 7-7/8" Hole 9100 ft W.O.C. for 33.50 hrs (plug bump to test explanable) larker Jt@ ft ft Dof 7-7/8" Hole 9100 ft Date cmt'd 8-Jan-06 Larker Jt@ ft ft Dof 7-7/8" Hole 9100 ft Date cmt'd 8-Jan-06 Larker Jt@ ft ft Dof 7-7/8" Hole 9100 ft Date cmt'd 8-Jan-06 Larker Jt@ ft ft Dof 7-7/8" Hole 9100 ft Date cmt'd 8-Jan-06 Larker Jt@ ft 1.33 cuftys @ 10.43 ppg Taili 190 sys PVL cmt					
Size 5.1/2 in 217 jts Used Set at 9071 ft 1 pups Wtt 15.5 & 17 ppf Grade J-55 Hole Size 77/8 in Conn LTC Excess Crmt 50 % Top of Float Collar 9026 ft Bottom of Casing Shoe 9071 ft Bottom of Casing Shoe 9071 ft Tarker Jt@ 7393 ft TD of 7-7/8" Hole 9100 ft Floats Held: X Yes N W O.C. for 33.50 hts (plug bump to test case) ft Date cmtd: 8-Jan-06 Lead : 680 sxs D961cmt (CemPLUS BLI + 0.3% Unifiac + 0.3% Unifiac + 0.3% Unifiac + 0.3% Unifiac + 0.3% Unifiac + 0.3% Unifiac + 0.2% Antifoarmer + 0.2% Antifoarmer + 0.2% Antifoarmer - 0.2% Antifoarmer - 0.2% Antifoarmer - 0.2% Antifoarmer + 0.2% Antifoarmer - 0.2% Antifoarmer - 0.2% Antifoarmer - 0.2% Antifoarmer + 0.2% Antifoarmer - 0.2% Antifoarmer - 0.2% Antifoarmer - 0.2% Antifoarmer	luction Casing:	Date set: <u>8</u> -Jan-05	XNew		
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WI: 15.5 & 17 pf Grade J-55 Hole Size 77/8 in Conn_LTC Returns during job: YES Xccess Cmt 50 % Top of Float Collar 9026 ft Bottom of Casing Shoe 9071 ft Float States: 100 bbls Float Y @ ft TD of 7-7/8" Hole 9100 ft Float States: NU.O.C. for 33.50 hrs (plug bump to test csg) Iarker Jt @ ft TD of 7-7/8" Hole 9100 ft Production Cement Iarker Jt @ ft Date cmt/d: 8-Jan-06 Lead : 680 sxs D961cmt (CemPLUS BLI + 0.3% Uniflac + 0.3% Uniflac + 0.3% Linidac + 0.3% Linidac + 0.3% Uniflac + 0.3% Linidac + 0.2% Antifoamer + 0.2% KE114A 1.98 cutf/sx @ 10.43 ppg Tail : 190 sxs PVL cmt + 0.2% KE114A 1.68 cutf/sx @ 13.2 ppg Displacement: 212_bbls Bumped Plug: YES Final Circ Press: Scutf/sx @ 13.2 ppg					
Hole Size 778 in Conn_LTC Excess Cmt 50 % Top of Float Collar 9026 ft Bottom of Casing Shoe 9071 ft tarker Jt @ 8340 ft TD of 7-7/8" Hole 9100 ft tarker Jt @ ft TD of 7-7/8" Hole 9100 ft tarker Jt @ ft TD of 7-7/8" Hole 9100 ft tarker Jt @ ft TD of 7-7/8" Hole 9100 ft tarker Jt @ ft Date cmtd: Auge State 8.340 ft Bottom of Casing Shoe ft TD of 7-7/8" Hole 9100 ft W.O.C. for 33.50 hrs (plug bump to test cast 100 bbls tarker Jt @ ft Date cmtd: 120 dt ft -0.3% Uniflac + 0.3% L11dA 1.98 cutf/sx @ 10.43 ppg 131 190 sxs PVL cmt + 0.3% Uniflac + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% Antifoamer <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
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iarker Jt @ft Date cmtd:8-Jan-06 Lead: 680 sxs D961cmt (CemPLUS BLt + 0.3% Uniflac + 0.8% Tic dispersant + 0.2% Antifoamer + 0.2% Antifoamer + 0.3% XE114A 1.98 cuft/sx @ 10.43 ppg Tail: 190 sxs PVL cmt + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% Antifoamer + 0.2% XE114A 1.68 cuft/sx @ 13.2 ppg Displacement: 212 bbls Bumped Plug: YES Final Circ Press: Returns during job: YES CMT Returns to surface: YES				2	
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Bumped Plug: YES Final Circ Press: Returns during job: YES CMT Returns to surface:		· · · · ·			
Final Circ Press: Returns during job: YES CMT Returns to surface:	· .				
Returns during job: YES CMT Returns to surface:	7. 1		•		
CMT Returns to surface:			;	•	
Floats Held: X Yes N	:	ł			
					Floats Held: <u>X</u> YesNo
			approx		

TD of 7-7/8" Hole: 9100 ft